



Contaminated Land Site Audit Report (SAR)

Department of Veteran Affairs

Lot 123-125 RP46047

51, 53 and 55 Headfort Street, Greenslopes Queensland

BC200195.01

13 September 2024



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1 INTRODUCTION

Dr Louise Cartwright of Epic Environmental (Epic) was commissioned by the Department of Veteran Affairs (the Client) to act as the nominated (Qld) Department of Environmental, Science and Innovation (DESI) approved Contaminated Land Auditor (CLA) to assist in the assessment works undertaken at 51, 53 and 55 Headfort Street, Greenslopes, Queensland, 4120 (the site). The site is formally described as Lot 123-125 RP46047 and has a total area of 1,933 m². The location of the site is shown in the SQP's Figures 1 and 2 included in **Appendix C**.

The site was formerly affiliated with the Australian Red Cross Centre (ARCC) with infrastructure including two former on-site buildings used as a main hall and for accommodation purposes (refer to Figure 2, **Appendix C**). Later, the buildings were used for community purposes and to provide temporary accommodation for the families of patients at the nearby Greenslopes Repatriation Hospital.

The site was listed on the Environmental Management Register (EMR) in January 2015 as a result of organochlorine pesticides (OCPs) being detected in soil. The EMR listing is for '*HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below. Elevated concentrations of organochlorine pesticides (DDD/DDT/DDE¹ and Aldrin/Dieldrin) identified on site above the nominated investigation levels*'. The site is not included on the Contaminated Land Register (CLR).

The Site is owned by the Repatriation Commission (DVA) and is located on Commonwealth land. The Commonwealth Department of Agriculture, Water and the Environment (DAWE) has determined the demolition and removal of the contaminated soil on the site is a controlled action under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act) and require the removal of the Site from the EMR as practicable.

As required under Chapter 12, Part 3 of the Environmental Protection Act 1994 (EP Act), Mr Jeremy Wicks of Tetra Tech Coffey was engaged by the Client as the Suitably Qualified Person (SQP). Mr Wicks has demonstrated his qualifications as an SQP, by virtue of provision of evidence demonstrating capabilities and satisfying the statutory requirements of Appendix 1 of the DES (now DESI) Contaminated Land Investigation Document – Approved Form (Form ESR/2023/6339). The Client engaged Mr Wicks to undertake the onsite assessment activities which are reported in:

- Validation Report (VR). Document reference 784-BNEEN282781 Validation Report 51, 53 and 55 Headfort Street, Greenslopes. Rev 0 dated 6 September 2024. The VR forms the contaminated land investigation document (CLID) (Tetra Tech Coffey, 2024)

The Audit was conducted by the CLA under the guidelines for a CLA in the Queensland Auditor Handbook for Contaminated Land, specifically Module 4 (ESR/2016/2154, 23 January 2019), Module 5 (ESR/2015/1807, 11 April 2023), and Module 6 (ESR/2018/4224, 18 May 2023), and in accordance with the provisions of Section 389 of the Environmental Protection Act 1994 (EP Act).

This contaminated land site audit report (SAR) was developed to document the information reviewed as part of the contaminated land audit, and to provide the basis and rationale for the conclusions contained in the associated Auditor Certification and Auditor Declaration. Dr Louise Cartwright is a CLA approved by the DESI (approval number: CLAD010002576), which is included in the provisions of Section 574A of the EP Act.

1.1 Audit Requirements

The certification process included a detailed review of the CLID report (Tetra Tech Coffey, 2024) prepared by Tetra Tech Coffey for the site. The CLA has undertaken a critical assessment of the CLID report and provided comments and statements of reason confirming compliance to both Section 389 of the EP Act and the Auditor Handbook, Module 6. The extent to which the work has been completed in accordance with the National

¹ DDT - Dichlorodiphenyltrichloroethane; DDD - Dichlorodiphenyldichloroethane; DDE - Dichlorodiphenyldichloroethylene
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Environmental Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1), NEPC, 2013 (NEPM), has been reviewed by the CLA to allow appropriate certification of the work.

The Auditor has referenced the NEPM (and other relevant guideline documents) throughout the works but has also made experience based judgements as to what constitutes a material question of fact, a critical element or an omission and whether these have fundamentally affected the outcome of the works and the ability to draw suitable conclusions and make the suitability statements needed to allow the administering authority to place reliance on the works and to ultimately make an amendment to the EMR listing. The CLA has also sought to independently verify the information provided and make an informed risk-based decision in whether to issue a certification. This SAR also seeks to summarise the reason for the decision given in the certification and provides evidence of the material on which those findings were based.

This SAR also includes a summary of the outcomes of the CLA's site inspection, and associated CLA correspondence (**Appendix E**). The information forms part of this final SAR and is accompanied by a CLID Approved Form, a copy of which is provided in **Appendix B**.

It should be further noted that the SAR is designed (as per Module 6 requirements) as a document to demonstrate that the CLID provides a reliable and appropriate response to Sections 389(1) and 389(2) and is substantially in accordance with Module 6 and other applicable guidelines.

The CLA can confirm that the:

- CLA possesses sufficient expertise and technical expertise for the site in question and is appropriately qualified to complete the audit works
- CLA has acted independently with integrity, diligence and impartiality and there were no conflicts of interest between the CLA and the site operator / owner or the SQP
- Audit has been completed in an objective and honest manner, to a high professional standard and with all due care and diligence, avoiding misrepresentation and prejudice
- CLA has not concealed or omitted information so as to mislead opinion about a contaminated site
- Audit functions have been completed to achieve the best environmental outcomes and protection of environmental values, including ecological and human health, amenity and safety
- CLA holds an appropriate level of professional indemnity insurance for the works completed
- CLA is a member of a Prescribed Organisation, as per Schedule 8 of the Environmental Protection Regulation 2008 (EP Reg)
- CLA is certified by one of the recognised bodies in the contaminated land field, being a Certified Professional Soil Scientist, Contaminated Site Assessment and Management
- CLA has made appropriate use of support experts (not required for this SAR)
- CLA has made appropriate enquiries of the SQP and has made observations of the performance of the SQP and their support team
- CLA has had access to sufficient information to enable all pertinent aspects of the CLID to be evaluated, which includes independent verification of raw data where available and applicable
- All reasonable and practicable measures have been taken to verify any opinion of others which have been relied upon, and the data and information their opinion is based on
- CLA has provided a comprehensive and reliable response to the CLID, which does not exclude any material aspects

In addition, the CLA can confirm an appropriate level of knowledge of the following guidelines, which may be relevant to the works completed and the general audit process:

- Environmental Protection Act 1994 (EP Act)
- Environmental Protection Regulation 2008
- Environmental Protection and Other Legislation Amendment Bill 2022 (EPOLA Bill)

- “Queensland Auditor Handbook for Contaminated Land, Module 6: Content requirements for contaminated land investigation documents, certifications, and audit reports”. ESR/2018/4224, Version 2.03, effective 18 May 2023
- Environmental Protection (Water and Wetland Biodiversity) Policy 2019
- Environmental Protection (Air) Policy 2008
- Environmental Protection (Noise) Policy 2008
- Environmental Protection (Waste Management) Policy 2000
- DES Guideline, Assessing a suitably qualified person, ESR/2016/1938 Version 3.02, effective 9 January 2023
- DES Guideline, Listing and removing land on the land registers, ESR/2016/2044 Version 1.02, effective 29 September 2015
- Australian Standard AS 4482.1-2005, Guide to the Sampling and Investigation of Potentially Contaminated Soil – Part 1: Non-volatile and semi-volatile compounds (Standards Australia, 2005)
- Australian Standard AS 4482.2-1999, Guide to the Sampling and Investigation of Potentially Contaminated Soil – Part 2: Volatile substances (Standards Australia, 1999)
- NSW Environmental Protection Authority (EPA) (2022) Contaminated Land Guidelines “Sampling design part 1 – application” and “Sampling design part 2 – interpretation” (collectively the “Sampling Design Guidelines”)
- CRC for Contamination Assessment and Remediation of the Environment, National Remediation Framework Guidelines on the role of Auditing, August 2019

Note that the AS4482.1-2005 had been withdrawn at the time of preparing this SAR. This Australian Standard was included in this SAR as a reference document, as it is a good resource for the design and implementation of contaminated land sampling strategies. The NSW EPA (2022) guidelines are referenced in this SAR as they are the most recently published guidance material and considered a relevant sampling design guideline document for contaminated land investigations.

As part of the CLA evaluation of a CLID, it can be confirmed that the CLA has engaged with the SQP(s) to:

- Access relevant background information and statutory documents pertaining to the site
- Clarify the qualifications and experience of the SQP(s)
- Inspect the site to verify the setting, conditions and possible contamination sources
- Inspect any works and investigations either overseen or undertaken by the SQP(s)
- Resolve any issues about a proposed statement of limitations

The CLA can confirm that they have:

- Reviewed draft elements of the CLID to identify issues or gaps warranting further attention with copies of relevant correspondence provided in **Appendix E**
- Clarified the qualifications and experience of the SQP(s) (Section 2.3)
- Made statements of the CLA’s conclusions, including reasons, with respect to each element of subsections 389(1) and 389(2) (Section 5 and Section 6)
- Accessed relevant background information and statutory documents pertaining to the site (Section 5 and Section 6)
- Inspected the site to verify the setting, conditions, and possible contamination sources, with photographic evidence provided in the **Plates Section**
- Communicated with the SQP to clarify relevant aspects of their approach to preparing the CLID – while maintaining the CLA’s independence with copies of relevant correspondence provided in **Appendix E**
- Provided a summary of any advice given to the SQP(s) regarding aspects of CLID drafts that required further attention, with copies of relevant correspondence provided in Appendix E
- Provided copies of relevant figures in this report and appended copies of the SQP’s Figures in **Appendix C**

- Resolved any issues about a proposed statement of limitations

All detailed information or primary sources of data such as borehole logs, data tables, aerial photographs, historical titles that form part of the CLID submission and are provided in the SQP report. To avoid excessive replication, these details have been summarised, but not included in full within the audit report.

Information relating to the audit and certification process has been retained by the CLA and includes a compilation of all documentation relating to the audit, as required under Module 4. In undertaking their function, and in accordance with the Code of Professional Conduct (Module 4), the CLA is obliged to make all records of an audit accessible to the administering authority and these are available upon request. Since the records of audit are the property of the CLA and are retained by the CLA, they do not constitute public documents.

1.2 Audit Objectives

The ultimate outcome of the engagement is the Auditor's certification of the CLID whereby it complies with Section 389 of the EP Act and that the site is suitable for removal from DESI EMR, as detailed in DES Guidance ESR/2016/2044. The site known as Lot 123-125 RP46047 is presently listed on the EMR for:

- HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below. Elevated concentrations of organochlorine pesticides (DDD/DDT/DDE and Aldrin/Dieldrin) identified on site above the nominated investigation levels

The objectives of this Audit and the Site Audit Report (SAR) are to

- Prepare a SAR in accordance with Modules 4, 5, and 6 of the Queensland auditor handbook
- Provide certification of the CLID under Section 389 of the EP Act
- Prepare the Auditor's certification in accordance with Part D of the approved form (ESR/2023/6339)

1.3 Scope of Work

The scope of works undertaken by the CLA to satisfy the regulatory function under Section 574c included:

- Review of the SQP/SQP Support Expert qualifications and declaration
- Undertake site inspections during the further characterisation assessment (Area 1C) and remediation.
- Review of the following documents:
 - Coffey Services Australia Pty Ltd (2021) "*Sampling, Analysis and Quality Plan (SAQP)*" Rev B. 754-BNEEN282781-SAQP, dated 19 July 2021
 - Tetra Tech Coffey (2023) "*Remediation Action Plan*". Report reference number: 754-BNEEN282781, dated 23 August 2023
 - Tetra Tech Coffey (2024) "*Validation Report 51, 53 and 55 Headfort Street, Greenslopes*", Rev 0. Document reference 784-BNEEN282781 Validation Report, dated 6 September 2024
- Review of the three abovementioned documents prepared by the SQP and provision of comments as to its compliance with Section 389 of the EP Act
- Preparation of this Contaminated Land SAR and associated Declaration and Certification in relation to the CLID and its compliance with Section 389 of the EP Act, and that the site suitability statement provided in the referenced CLID is sound

The work was undertaken in accordance with the Epic's proposal reference BCL200195.001 dated 26 October 2020.

1.4 Outline of Contaminated Land Audit

This Audit has been conducted in accordance with the requirements of the EP Act. Chapter 12, Part 3A. Section 387 of the EP Act describes that a CLID for relevant land means any of the following for the land:

- a) a site investigation report; and/or
- b) a validation report; and/or
- c) a draft site management plan.

Relevant land means land for which particulars are recorded in a relevant land register; that is land recorded in the EMR or the CLR.

The content and submission requirements of contaminated land investigation documents are described under the EP Act, with Section 388(1) providing the following definitions of what constitutes a CLID:

- a) a site investigation report for relevant land is required to be prepared under an investigation notice for the land; or
- b) a validation report for relevant land is required to be prepared under a clean-up notice for the land; or
- c) a draft site management plan is required to be prepared under section 391; or
- d) a contaminated land investigation document is required to be prepared under a notice given or order made under this Act.

Section 388(2) notes that these requirements also apply if a person, at any time, voluntarily gives the administering authority a CLID for relevant land.

Specific requirements of a CLID are described in Sections 389 of the EP Act. Section 389(4) describes that a CLID must be accompanied by a written certification (an CLA's certification) by an CLA verifying that the document complies with subsections (2) and (3).

1.5 Guidelines

This Audit was conducted with reference to the EP Act and the Environmental Protection Regulation (2008) and the following guideline documents:

- National Environmental Protection (Assessment of Site Contamination), Measure 1999, National Environment Protection Council Service Corporation (as amended 2013)
- AS4482.1–2005: Guide to the investigation and sampling of sites with potentially contaminated soil – Non-volatile and semi-volatile compounds (Standards Australia, Sydney)²
- AS4482.2–1999: Guide to the sampling and investigation of potentially contaminated soil – Volatile substances (Standards Australia, Sydney)
- Queensland Auditor Handbook for Contaminated Land Module 1-6, Department of Environment and Science (February 2019)
- Environmental Protection (Water and Wetland Biodiversity) Policy 2019
- Australian and New Zealand Guidelines for Fresh and Marine Water Quality, 2018 revision
- Guideline - The duty to notify for contaminated land. Department of Environment and Science (ESR/2016/2271, Version 4.00, April 2023)
- Guideline - Assessing a suitably qualified person. Department of Environment and Science (January 2023, Version 3.02, ESR/2016/1938)

² Whilst AS4482.1-2005 was withdrawn on 2 September 2022, it still serves as a useful reference document. In the absence of AS4482.1, guidance is sought from the NSW EPA (2022) Sampling Design Guidelines BC200195.01 123-125 RP46047 SAR_RevA

- Guidelines - Listing and removing land on the land registers, Department of Environment and Science (September 2015, ESR/2016/2044, Version 1.02)
- HEPA (2020) Per- and poly-fluoroalkyl substances National Environmental Management Plan, Version 2.0 (PFAS NEMP)
- NSW Environmental Protection Authority (EPA) Contaminated Land Guidelines “Sampling design part 1 – application” and “Sampling design part 2 – interpretation” (collectively the “Sampling Design Guidelines”). New South Wales, Australia
- Additional guidance, technical reports and documents used in conducting and reporting of this audit are shown in the reference section

In addition, this section addresses particular matters to be considered by a CLA in evaluation of whether the respective requirement for a CLID has been complied with, as per Section 3.15, Module 6 requirements:

- The approved form requires a contaminated land investigation to confirm the investigation was in accordance with the contaminated land NEPM. Nevertheless, the contaminated land NEPM cannot override state legislation or policies. In practice, a contaminated land investigation document must:
 - Explicitly reference the various schedules of the NEPM
 - Mention which schedules were or were not applicable when preparing the document
 - State the extent to which the applicable schedules were followed
 - Describe the extent of any deviations from the recommendations of the NEPM’s schedules
 - Explain whether any deviations were due to overriding state legislation or policies
- Evaluate with reference to current best practice how effective any alternative methods were in comparison to those of the NEPM
- The contaminated land investigation document must demonstrate that the investigation components of an assessment of site contamination listed in Section 1 of Schedule B2 of the contaminated land NEPM have been conducted for every stage of investigation. The components include a conceptual site model, data quality objectives, a sampling strategy, and a SAQP. Those components should be updated as the investigations acquire better information about the site

The SQP noted the following information within the CLID relating to these items:

- No divergence from the NEPM guidelines or alternative approach as allowed by the NEPM guidelines was adopted as part of the investigation works, with the exception of the use of EPP Water and Wetland Biodiversity. No significant sources of uncertainty were identified by the SQP
- The CLA considers that the CLID was completed substantially in accordance with the NEPM and other relevant guidelines. The report conclusions in Section 17 of the CLID provides a statement which adequately assesses the extent of contamination at the site
- No alternative approach from the NEPM guidelines was utilised by the SQP

2 DETAILS OF CONTAMINATED LAND AUDIT

2.1 Contaminated Land Auditor

The DESI approved contaminated land auditor who conducted this audit was Dr Louise Cartwright, DESI Approval Number CLAD010002576, which is included in **Appendix A**. The audit commenced on 23 November 2020.

2.2 Technical Support

At commencement of the project and during subsequent scope reviews, the Auditor has remained aware of any requirements to use the nominated Support Experts, as per the Auditor Approval No. CLAD010002576.

No external technical support was relied on for this audit. Site inspections were undertaken by the Auditor's representatives, Mr Charles Kosecki (3 September 2021), a Senior Environmental Scientist with Epic Environmental and Mr Camden McCosker (Senior Environmental Scientist, CEnvP) during remediation works, on 26 September 2023; and the Auditor who inspected the site on three occasions during the remediation program in September 2023 (refer to **Section 3.2**).

2.3 Suitably Qualified Persons

As required under Chapter 12, Part 3 of the EP Act, a regulatory function may only be performed by a SQP. Section 564 of the EP Act provides the following definitions:

Regulatory function means –

- a) conducting a site investigation under chapter 7, part 8; or
- b) preparing a validation report under chapter 7, part 8; or
- c) preparing a draft site management plan or draft amendment of a site management plan under chapter 7, part 8; or
- d) another function prescribed under a regulation.

Suitably qualified person, for performing a regulatory function, means a person who –

- a) has qualifications and experience relevant to performing the function; and
- b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.

In addition, the EP Act requires that a CLID submitted to the administering authority, is to be accompanied by a declaration made by the SQP.

The nominated SQP engaged to carry out the regulatory functions for this project was Mr Jeremy Wicks of Tetra Tech Coffey (the SQP). The auditor considers that Mr Wicks has suitable qualifications and experience to act as the SQP for this project, based on Section 566 of the EP Act. Tetra Tech Coffey have included a SQP declaration with the CLID. The SQP's qualifications include the following:

- Education: Bachelor of Engineering (Environmental) (1996) from Griffith University and Master of Business Administration (2013) from Queensland University of Technology (QUT)
- Member of Engineers Australia, which is a prescribed organisation in accordance with Schedule 8 of the Environmental Protection Regulation 2008
- Suitable details provided of past projects demonstrating experience in the identified knowledge area

2.4 Background

The site (Lot 123-125 RP46047) was formerly affiliated with the Australian Red Cross Centre (ARCC) with infrastructure including two former on-site buildings used as a main hall and for accommodation purposes (refer to Figure 2, **Appendix C**). Later, the buildings were used for community purposes and to provide temporary accommodation for the families of patients at the nearby Greenslopes Repatriation Hospital. Above ground infrastructure has been primarily removed, however, notably a brick heritage fence has been retained as a site feature and is located in the northwest corner of the site, adjacent to the site boundary (refer to **Plate 1**).

The site is listed on the EMR for the notifiable activity: HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Elevated concentrations of organochlorine pesticides (DDD/DDT/DDE and Aldrin/Dieldrin) identified on site above the nominated investigation levels.



Plate 1. Location of site (Lot 123-125 RP46047) shown in red (source Tetra Tech Coffey, 2024)

The Site is owned by the DVA and is therefore located on Commonwealth land. The DAWE (Commonwealth) has determined the demolition and removal of the contaminated soil on the site is a controlled action under the EPBC Act and require the removal of the Site from the EMR as practicable.

2.5 SQPs Reports and Documentation

The CLID consists of the following document:

- Tetra Tech Coffey (2024) Validation Report (VR). Document reference 784-BNEEN282781 Validation Report 51, 53 and 55 Headfort Street, Greenslopes. Rev 0 dated 6 September 2024. The VR forms the contaminated land investigation document (CLID)

Prior to undertaking the CLID, Tetra Tech Coffey undertook a SAQP (2021) and a RAP (2023).

2.6 CLID Objective

The stated key objective of the CLID was to remove the site from the EMR. The objective for the remediation of the site was also to remove the site from the EMR.

2.7 CLID Scope of Works

The scope of works undertaken by Tetra Tech Coffey included:

- Completion of a desktop assessment complying with CLID desktop assessment requirements (DES, 2023)
- Preparation and implementation of a Sampling, Analysis and Quality Plan (SAQP) (Coffey Services Australia Pty Ltd, 2021) and a Remediation Action Plan (RAP) (Tetra Tech Coffey, 2023)
- Further characterisation which included further sampling to define the dimensions of Area 1C
- Remedial works, which included:
 - Provide technical support to the Remediation Contractor and DVA in regard to contaminated land investigation and management
 - Complete site inspections during remediation to check compliance against the RAP and EMP prepared by the Remediation Contractor
 - Complete air monitoring during remediation (asbestos and OCPs dust monitoring)
 - Collection of validation samples
- Preparation of the Validation Report.

2.8 Contaminated Land Audit Report Format

The report format for the remainder of the site audit report (SAR) is summarised in **Table 1**. The auditor's table addressing the requirements of the EP Act is provided in **Table 15**.

Table 1. Format of the Contaminated Land Site Audit Report (SAR)

SAR Section No.	Details
Section 1	Introduction and scope of works and objectives
Section 2	Details relating to the Audit, technical support, SQP details, background and CLID details
Section 3	Site inspection and correspondence details
Section 4	Chronology of the audit
Section 5	Site Description and Background: details the site identification and land use and summarises the surrounding land uses and potentially sensitive human health and environmental receptors
Section 6	Environmental setting: details the desktop study of the environment at and around the site, including published soils and geological information
Section 7	Site history and site condition: summarises the available site history information and details the site condition and infrastructure prior to remediation
Section 8	Preliminary conceptual site model (CSM)

SAR Section No.	Details
Section 9	Contamination Assessment – Soil and Groundwater; summarises the assessment objectives, adopted site assessment criteria; field investigation; and laboratory assessment
Section 10	Site remediation and validation works: objectives; works; sampling program; laboratory assessment
Section 11	Discussion of the soil investigations, site remediation works, data reliability and QA/QC, and finalised CSM
Section 12	Auditor independent data verification
Section 13	Conclusions, recommendations and suitability statement
Section 14	References
Section 15	Acronyms
Section 16	Limitations and disclaimer

3 SITE INSPECTION AND CORRESPONDENCE

3.1 Contaminated Land Audit Notification

The contaminated land audit has been prepared in accordance with Section 398 of the EP Act. Auditor notification was provided to the DESI on 23 November 2020. The CLID was prepared to facilitate the removal of the site from the EMR.

3.2 Meetings and Site Inspection

The Auditor undertook a total of four site inspections including an inspection on 20 July 2021 undertaken prior to intrusive works and three inspections conducted on 5 and 21 September 2023 and 4 December 2023 which were undertaken during remediation works.

Inspections were also conducted by the Auditor Representatives including Mr Charles Kosecki (Senior Environmental Scientist, CEnvP) during intrusive works, on 3 September 2021, and by Mr Camden McCosker (Senior Environmental Scientist, CEnvP) during remediation works, on 26 September 2023.

Photographs of the site inspections conducted by the Auditor and the Auditor Representatives are included in the Contaminated Site Auditor Field Inspection Checklist (**Appendix E**).

3.3 Correspondence

The correspondence relevant to the Audit is listed below, and the relevant correspondence with DES and SQP based on review of technical documents and communications is included in **Appendix E**.

- Relevant correspondence with DESI includes:
 - Audit appointment notification, Dr Louise Cartwright dated 23 November 2020 for Lot 123-125 on RP46047
- Relevant correspondence with the SQP by Dr Cartwright included:
 - Emails
 - Interim Audit Comments (IACs) on the SAQP (Coffey Services Australia Pty Ltd, 2021)
 - IAC001 (issued 19 July 2021) on draft Rev B
 - IACs on the RAP (Tetra Tech Coffey, 2023):
 - IAC002 (issued 25 January 2022) on Rev C of the Remediation Plan (REP) (later renamed as RAP)
 - IAC002 (issued 27 March 2023) on draft Rev D
 - IAC003 (issued 1 August 2023) on draft Rev E
 - IAC003 (issued 07 August 2023) on draft Rev E
 - IAC003 (issued 18 August 2023) on final Rev F
 - Technical Memorandum – Data Usability Assessment on CLID Rev D dated 12 May 2024
 - IAC on the CLID (Tetra Tech Coffey, 2024):
 - IAC004 (issued 22 April 2024) draft Version B
 - IAC004 (issued 12 May 2024) draft Version D
 - IAC004 (issued 12 July 2024) draft Version E
 - IAC004 (issued 22 August 2024) draft Version F
 - IAC004 (issued 29 August 2024) final Version G

4 CHRONOLOGY

The chronology of the Audit is provided in **Table 2**.

Table 2. Audit Chronology

Date	Item
23 November 2020	Auditor appointment notification of Dr Louise Cartwright to DESI for Lot 123-125 RP46047
16 August 2021	Auditor comments IAC001 on draft SAQP (Rev B)
20 July 2021	Auditor Site Inspection following the completion of the PSI and SAQP by the SQP and to be reviewed by the CLA
03 September 2021	Auditor Representative Site Inspection of field observations during intrusive soil sampling works (HA18 and HA19), carried out by Mr. Charles Kosecki (Auditor Representative)
15 February 2022	Auditor comments IAC002 on draft Remediation Planning (REP) (Rev C)
30 May 2023	Auditor comments IAC002 on draft Remediation Action Plan (RAP) (Rev D)
01 August 2023	Auditor comments IAC003 on draft Remediation Action Plan (RAP) (Rev E)
13 August 2023	Auditor comments IAC003 on draft Remediation Action Plan (RAP) (Rev E) (updated)
18 August 2023	Auditor comments IAC003 on final Remediation Action Plan (RAP) (Rev F)
05 September 2023	Auditor Site Inspection on remediation commencement. Site inspection was completed by the CLA and Mr. Camden McCosker (Auditor Representative)
21 September 2023	Auditor Site Inspection during the remediation phase of the project. Site inspection completed by the CLA and Mr. Camden McCosker
26 September 2023	Auditor Representative Site Inspection of field observations during remediation phase of the project, carried out by Mr. Camden McCosker
4 December 2023	Auditor Site Inspection during remediation phase of the project
29 February 2024	Auditor comments IAC004 on draft CLID (Rev B)
05 June 2024	Auditor comments IAC004 on draft CLID (Rev D)
30 July 2024	Auditor comments IAC004 on draft CLID (Rev E)
22 August 2024	Auditor comments IAC004 on draft CLID (Rev F)
02 September 2024	Auditor comments IAC004 on final CLID (Rev G)
06 September 2024	Finalisation of the CLID (Rev 0)
12 September 2024	Finalisation of SAR

5 SITE DESCRIPTION AND BACKGROUND

5.1 Site Location and Identification

The location of the site is shown on the SQP's Figures provided in **Appendix C**. Details relating to the site are summarised in **Table 3**.

Table 3. Site Identification Summary

Item	Description		
Site address	51, Headfort Street, Greenslopes	51, 53 and 55 Headfort Street, Greenslopes	51, 53 and 55 Headfort Street, Greenslopes
Real property description	Lot 123 RP46047	Lot 124 RP46047	Lot 125 RP46047
Central Coordinates (site centre)	-27.51339 153.04843	-27.51336 153.04825	-27.51334 153.04810
Area	647 m ²	647 m ²	639 m ²
Total site area	4,120 m ²		
Local Government Area (LGA)	Brisbane City Council		
Current occupier	Unoccupied		
Site description	The site is located north of Headfort Street and east of Newdegate Street and is a square shaped lot		
Former and current land use	The Site is currently comprised of cleared vacant land following the completion of the remediation works undertaken in 2023. The property formally consisted of a disused main hall building and accommodation building.		
Proposed land use	Public park and Legacy House (DVA, 2024)		
Zoning	Neighbourhood Centre (NC). The CLID indicates an NC is a small mix of land uses to service residential neighbourhoods. It includes small-scale convenience shopping, professional offices, community services and other uses that directly support the immediate community (Tetra Tech Coffey, 2024)		
Landowner	Repatriation Commission (part of the DVA)		
EMR/CLR listing	HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Elevated concentrations of organochlorine pesticides (DDD/DDT/DDE and Aldrin/Dieldrin) identified on site above the nominated investigation levels.		

5.2 Site Description and Layout

The site features and layout are shown in Figure 11 (**Appendix C**) and described as follows:

- The site is located on the corner of Newdegate Street and Headfort Street, Greenslopes, Brisbane.

- The site is currently cleared vacant land with the exception of a brick heritage fence / wall (herein referred to as the “heritage fence”)³ which is located in the northwest corner of the site and is to be retained as a feature on the site (refer to Figure 11, **Appendix C**)
- The property formally consisted of a disused main hall building and accommodation building which have since been removed (refer to Figure 2, **Appendix C**)
- During remedial works, services were disconnected and removed from the Site with the exception of a sewer pit with manhole cover in the northeastern corner of the site (refer to Figure 12, **Appendix C**).

5.3 Land Use and Zoning

Historic aerial imagery indicates that the site was cleared land in 1936 and developed by the Australian Red Cross Centre (ARCC) between 1941 and 1946. The former main hall and accommodation buildings were constructed circa 1946 and the site remained generally unchanged until the buildings were demolished during remediation works in 2023. It is unclear when the heritage fence to be retained on-site was constructed.

The Client is exploring options to redevelop the site; however, no plans have been submitted to Brisbane City Council (BCC).

The site is currently zoned as NC Neighbourhood Centre (Plate 2). BCC describes the purpose of the NC Neighbourhood Centre as “a small mix of land uses to service residential neighbourhoods. It includes small-scale convenience shopping, professional offices, community services and other uses that directly support the immediate community”.

The Client has not indicated whether changes to zoning will be required as part of future site development.

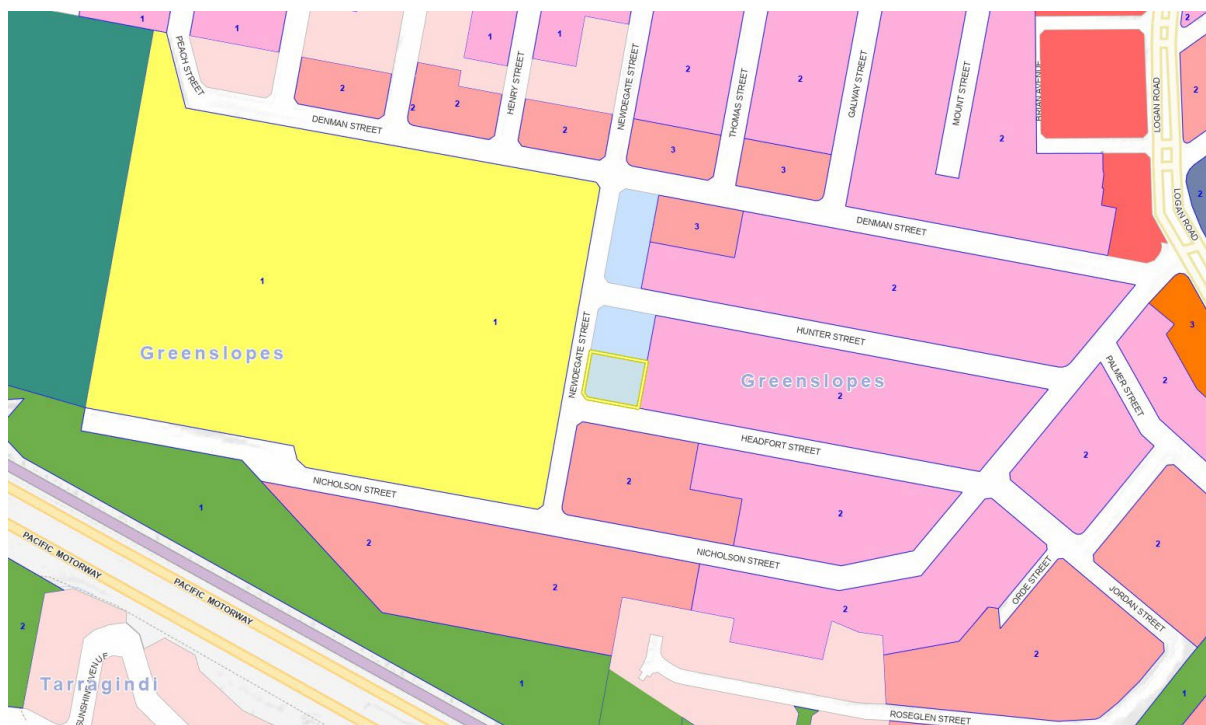


Plate 2. Zoning of Site (yellow box) with the blue colouring being Neighbourhood Centre Zoning (BCC)

³ The site is not recorded on the Commonwealth or State heritage registers
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5.4 Surrounding Land Use

The surrounding land uses are described as follows (Appendix K.13 of CLID):

- North – residential houses
- East – residential houses
- South – Headfort Street then residential houses
- West – Newdegate Street then Health Care (Greenslopes Private Hospital)

5.5 Audit Findings

The site identification and surrounding environment information has been provided and is sufficient for the purposes of this review. The information provided is consistent with the Auditor's understanding of the site and the surrounding urban environment.

6 ENVIRONMENTAL SETTING AND DESCRIPTION

6.1 Site Setting and Background Information

The CLID adequately provides a description of the site including the spatial boundary of the investigation area as depicted in the in the CLID figures (Tetra Tech Coffey, 2024). The CLID's figures have been included in **Appendix C** of this report.

6.2 Climate

The CLID does not comment on climate, however, the auditor notes that the closest meteorological station to the site was the Bureau of Meteorology's (BOM) Brisbane City Station (040913) located approximately 3.4 km from Greenslopes.

- Mean maximum temperature ranges from 22.0° (July) to 30.4° (January); and
- Mean rainfall ranges from 29.2 mm (September) to 181.9 (February)

6.3 Geology and Soils

The CLID (Appendix K.2) notes that the regional geology of the site and surrounding land is the Neranleigh-Fernvale beds (DCf) (NFB). This geological formation is described as feldspathic and lithic meta-arenite, metasiltstone and conglomerate proximal turbidites, with structurally intercalated or stratigraphically underlying chert, jasper and basic meta- volcanics.

The reported soil on site consists of Tenosol, which is described as *"rolling to hilly terrain with gentle to moderate slopes: chief soils are hard acidic yellow (DY3.41) and red (Dr3.41) mottled soils. Associated are hard alkaline yellow (Dy3.43) and red (Dr3.43) mottled soils; sandy acidic yellow mottled soils (Dy5.41), (Dy5.31), and (Dy5.81) and leached sands (Uc2.2), all containing large amounts of nodular ironstone material, also with mottled clays, at depth, below the (Uc2) soils. As mapped, small areas of adjoining units are included"*. There is an extremely low chance of the occurrence of Acid Sulfate Soils on the site.

Soils encountered comprised of fill materials including ash and slag type materials and reworked low plasticity silty clay with bedding sands and gravels, which were underlain by silty clay soil and mudstone. This was consistent with the mapped geology.

6.4 Hydrogeology

The site is reported to be located in the *Brisbane River Estuary Environmental Values and Water Quality Objectives Basin No. 143*. The LotSearch report indicates 18 registered groundwater bores within a 2 km radius of the site. There are no registered groundwater bores located within or adjacent to the site.

The nearest registered bore (RN133887) is located approximately 903 m to the east of the Site and the furthest bore was approximately 2 km north of the site (RN181571). The nearest bore report (RN133887) indicated that groundwater was encountered at 51.2 m bgs and was in the Neranleigh-Fernvale Beds (NFB). This bore had a low yield (0.03 L/s) and water quality was described as "salty" although further information was not provided.

The bore reports shows that 16 of the 18 registered bores were installed for sub-artesian monitoring purposes, however, two bores (133887 and 133416) were reportedly installed for water supply purposes. These bores were located approximately 903 m and 1,129 m to the east and south of the site.

The Cross River Rail Environmental Impact Statement Technical Report No.4 Groundwater Assessment, July 2011 SKM/Aurecon (2011) describes groundwater in the Cross River Rail (CRR) Study Area which includes Greenslopes (CRR Technical Report 4). The CRR Technical Report 4 reports that groundwater yield in the NFB is low and can range from 0 to 1.0 L/s. Modelled groundwater levels in this report indicate that the depth to the water table at the Site would be approximately 20 to 50 m bgs.

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The consultant also installed a shallow groundwater monitoring well (MW01) in the northwestern corner of the site to 6 mbgs (refer to Figure 2, **Appendix C**) to determine if a shallow groundwater water bearing zone existed but groundwater was not intersected.

The consultant concluded that groundwater was likely to be greater 20 m bgs and groundwater extraction in the vicinity of the Site was unlikely based on the low yield of the NFB.

6.5 Topography and Hydrology

The CLID described topography and drainage as follows:

- The site is located in an elevated area on a hill
- The topography of the surrounding area is dominated by Stephen Mountain which has a height of 55 m AHD and is located west of the Greenslopes Hospital and approximately 400 m west of the Site
- Topography in the vicinity of the Site falls in an approximate northwest direction towards Norman Creek (concrete lined drain in Ekibin Park East) located 840 m northwest of the Site
- Surface water runoff from the Site is discharged into the Brisbane City Council (BCC) kerb drainage system in Newdegate Street. Stormwater in the vicinity of the Site will discharges to the Norman Creek (concrete lined drain in Ekibin Park East) via the kerb drainage system in streets as well as pipe drainage in the area

6.6 Surface Water Hydrology

The surface water hydrology aspects of the site and surrounding areas as described in the CLID are summarised in Table 5.

Table 4. Summary of Surface Water Hydrology

Aspect	Description provided in the CLID
Drainage network	<ul style="list-style-type: none"> • Surface water runoff from the Site is discharged into the Brisbane City Council (BCC) kerb drainage system in Newdegate Street • Norman Creek is located in Ekibin Park East located 840 m northwest of the site • Glindemann Creek, a tributary of Norman Creek, is located 1.26 km southeast of the site but is not considered to be hydraulically connected to the site
Surface water feature	No surface water features on-site
Stormwater	Stormwater in the vicinity of the Site discharges to the Norman Creek (concrete lined drain in Ekibin Park East) via the kerb drainage system in streets as well as pipe drainage in the area

6.7 Flooding

The CLID reviewed:

- The Site is not located in an area which has been mapped at risk from with riverine/creek or overland flow flooding
- the Site is not within the Queensland Floodplain Assessment Overlay

6.8 Environmental Values

The site and the surrounding area fall within the Brisbane River Estuary Basin No. 143. Environmental values for this catchment have been defined in *Environmental Protection (Water and Wetland Biodiversity) Policy 2019* prepared by the Environmental Policy and Planning Division, Department of Environment and Science 2022 (EPP Water).

As part of the development of the appropriate water quality criteria the SQP undertook a review of the EPP Water and determined that the following environmental values apply to waters at the site:

- Surface Water (Norman Creek Fresh Waters)
 - Protection of Aquatic ecosystems
 - Suitability for human consumer
 - Suitability for secondary recreation (e.g. boating)
 - Suitability for visual (no contact) recreation
 - Protection of cultural and spiritual values, including traditional owner values of water
- Groundwater
 - Protection of Aquatic ecosystems
 - Suitability for irrigation
 - Suitability for farm use/supply
 - Suitability for stock water
 - Protection of drinking water
 - Protection of cultural and spiritual values, including traditional owner values of water

BRISBANE RIVER ESTUARY BASIN (Refer plan WQ1431)	Environmental values ¹⁻⁵											
	Aquatic ecosystem	Irrigation	Farm supply/use	Stock water	Aquaculture	Human consumer ⁵	Primary recreation ⁵	Secondary recreation ⁵	Visual recreation ⁵	Drinking water ⁵	Industrial use	Cultural and spiritual values
Environmental Value Zone (listed alphabetically)												
Norman Creek Freshwaters	✓					✓		✓	✓			✓

Notes:

1. ✓ means the EV is selected for protection. Blank indicates that the EV is not chosen for protection.

2. Refer to key terms and the dictionary for further explanation of EVs.

3. Refer to sections 3-4 for WQOs applying to the EVs in this table.

4. The selection of recreational and other human use EVs for waters does not mean that these waters are free of dangerous aquatic organisms, for example venomous organisms (e.g. marine stingers including box jellyfish, irukandji jellyfish), crocodiles, and sharks. Direct contact with dangerous aquatic organisms should be avoided. Refer to [DES Crocodiles](#), council, [Queensland Health](#), [Beachsafe](#), [marine stingers](#), and other information sources for further details on swimming safety and information on specific waters. Access restrictions may apply in certain locations (e.g. ports, defence, Traditional Owner lands), or at certain times of the year. Restrictions on certain activities (e.g. fishing, camping) may also apply in particular areas. Check with relevant authorities.

5. The selection of EVs for waters does not mean that these are currently free of toxicants (including bio accumulative toxicants). Information about contaminated land can be accessed by searching the [Environmental Management and Contaminated Land Registers](#).

Source: Department of Environment and Science (2020) "Environmental Protection (EPP) (Water and Wetland Biodiversity) Policy 2019: Q Brisbane River Estuary Environmental Values and Water Quality Objectives, Part of Basin 143"

Plate 3. Environmental Values (EVs): Brisbane River Estuary Basin

6.9 Environmentally Sensitive Areas

Category A and B Environmentally Sensitive Areas (ESAs) are defined under Schedule 19 of the EP Regulation 2019. The SQP conducted a search and did not identify a Category A or B ESA either onsite or within a 500 m radius of the site. The Auditor notes that a Category C ESA (Koala Plan) is located on-site and the surrounding area.

6.10 Surface and Subsurface Infrastructure and Activities

Two historic site buildings, a cast iron reticulated potable water (fire main) and clay sewer pipes associated with the historic site buildings were removed and disposed offsite between March and December 2023. Details and features of infrastructure both retained and removed during remediation are summarised in **Table 5**. Removed infrastructure is also depicted within **Plate 4** and **Plate 5**, with retained infrastructure depicted in **Appendix C**.

Table 5. Details of Current and Former Site Infrastructure

Infrastructure Description	Description
Two historic site buildings – accommodation building and main hall	<ul style="list-style-type: none"> No basements Shallow concrete foundations (<0.4 m deep) Building structures did contain asbestos containing material (ACM) and lead based paints Paint materials flaking off the exterior of the buildings / ground surface were removed under an Asbestos Removal Management Plan (ARMP) and under the supervision of a Licenced Asbestos Assessor (LAA) These buildings were demolished during remediation
Reticulated potable water (fire main)	<ul style="list-style-type: none"> Connected from the western extent of the main hall building and transgressed west to a fire hydrant located off Newdegate Street Cast iron pipe installed circa 1976 This infrastructure was decommissioned during remediation and was replaced by a water main which was installed by the Remediation Contractor (Enviropacific Services) (also referred to as the Principal Contractor)
Sewer manhole and connection to the sewer network	<ul style="list-style-type: none"> Installed circa 1954 and has been retained Located below the depth of remediation and was estimated to be approximately 0.7 m below pre-remediation site levels Infrastructure was not intersected during remediation and is retained on site
Sewer pipe (capped at north western site boundary)	<ul style="list-style-type: none"> Infrastructure (clay pipes) were removed and capped at the site boundary during remediation
Stormwater pipe (PVC)	<ul style="list-style-type: none"> Installed during remediation by the remediation contractor Includes a sub-surface gravel drain which connects to a polyvinyl chloride (PVC) stormwater pipe at the site boundary and discharges into a gutter off Newdegate Street Runs parallel to the northern site boundary

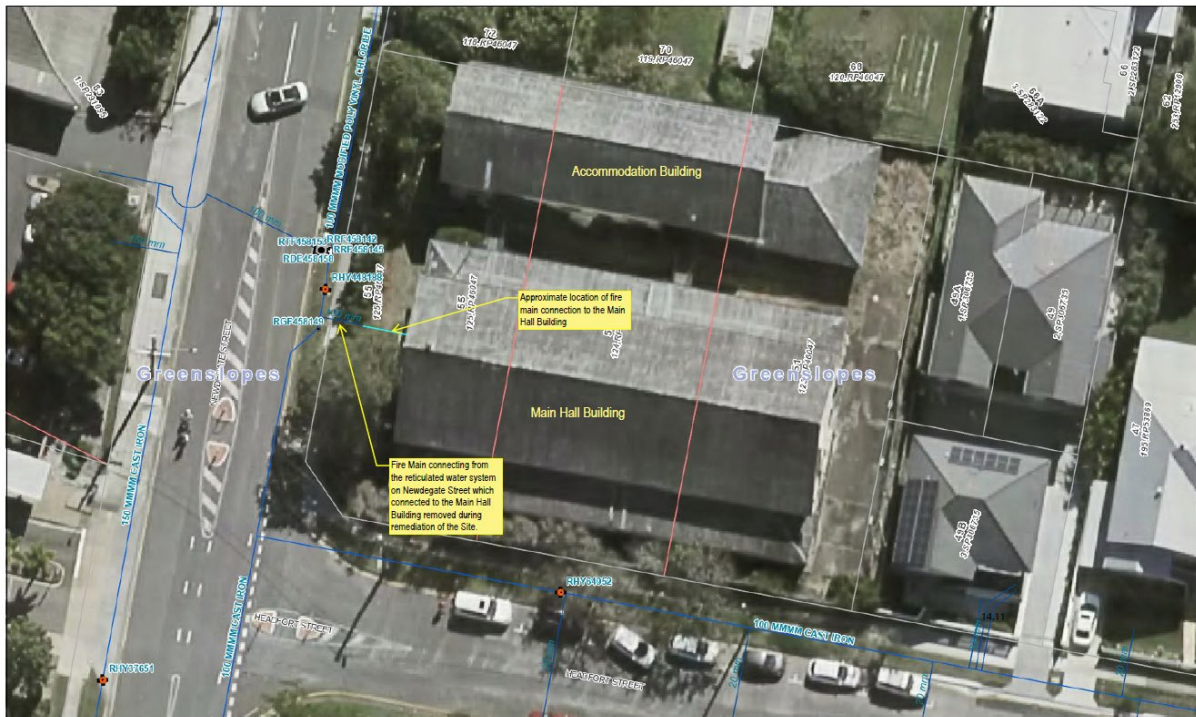


Plate 4. Layout of infrastructure removed during remediation including the reticulated potable water (fire main) and sewer (clay) pipes



Plate 5. Layout of infrastructure removed during remediation including the sewer pipes on the northeast and north west site boundaries

6.10.1 Stormwater Infrastructure

The CLID states the following relates to current and historic stormwater infrastructure within the site and surrounding land:

- Stormwater from the roof of Site buildings historically discharged into the BCC kerb drainage on Newdegate Street
- Sub-surface stormwater drainage pipes were not encountered during demolition/remediation
- Underground stormwater drainage pipes are located on the adjoining properties east of the Site

6.10.2 Underground Utilities

Underground service trenches can present potential contaminant migration pathways as they were commonly backfilled or bedded with sand or crusher dust and may present a path of least resistance for contaminant migration (NEPM, 2013).

The SQP undertook a Before You Dig Australia (BYDA) search to identify potential below and aboveground utilities. This search identified the following services:

Service utilities prior to remediation

- Reticulated potable water (fire main) (since decommissioned)
- Sewer manhole and connection to the sewer network located at the north eastern corner of the site (since capped at the rising main)
- Sewer pipe which connected via the northwestern boundary to on Newdegate street (since capped at the boundary)
- Clay sewer pipes beneath the former buildings which were connected to the sewer mains (since removed)

Service utilities post remediation

- Water main which replaced the former fire main
- Sewer main in the northeastern corner of the site
- Sub-surface gravel drain which runs parallel to the site boundary and connects to a PVC stormwater pipe at the site boundary which discharges into a gutter off Newdegate Street

6.10.3 Surface Infrastructure

Surface infrastructure is limited to the brick heritage fence located in the southwestern corner of the site.

6.11 Disposal or Storage of Waste

No drums or waste materials were identified on site; this was confirmed by the Auditor during the site inspection conducted on 20 July 2021 and during subsequent inspections conducted by the Auditor or Auditor representative (refer to **Section 3.2**).

6.12 Earthworks and Fill Material

The CLID identified the following areas of bulk earthworks and filling occurred on site:

- Fill materials were found across the site and was deepest along the western boundary (approximately 0.6 m) and shallowest along the eastern boundary (approximately 0.1 m). Fill materials were found to generally comprise:
 - reworked firm, dry, red brown, low plasticity silty clay fill interspersed with bedding sands and gravels in the north of the Site.
 - ash and slag-type materials from the east, south and west of the site.

The CLID states that fill was generally between ~0.2 m and 0.6 m thick, however, the Auditor notes that ash was identified to depths of up to 1.0 mbgl along the southern boundary (Headfort Street). Ash occurrence appeared to be generally deeper along the southern boundary when compared to the observations along the site boundaries (as per Appendix B of the CLID). A brief description of these boundaries and associated ash occurrence is detailed below.

- South-west boundary (Corner of Headfort Street and Newdegate Street): ash was encountered up to 0.4 mbgl at HS10, HS10A and HS10B
- Western boundary (Newdegate Street): ash was encountered up to depths of up to 0.55 mbgl (HSB06). It is noted that HSB01 to HSB08 were located in the BCC road reserve and approximately 0.5 m of the site boundary.

Ash was not identified along the northern and eastern boundaries of the site. The Auditor notes that along the eastern site boundary four samples (HSA01 to HSA04) were collected in the southern portion of this boundary (refer to Figure 8, **Appendix C**) which was due to the excavation tapering to a shallow depth in the northern portion of this boundary.

6.13 Audit findings

The background information and the description of the site setting has been adequately documented through the report. The site identification and surrounding environment information provided in the CLID is sufficient for the purposes of this review. The information provided is consistent with the Auditor's understanding of the site and the surrounding environment.

7 SITE HISTORY AND SITE CONDITION

7.1 Land Titles

The SQP provided a current title search, dated 6 September 2024, which confirmed the Repatriation Commission (part of the Department of Veterans' Affairs) are the current owners of Lot 123-125 RP46047.

The historical and current site ownership details provided in the CLID are summarised in **Table 6**.

Table 6. Site Ownership

Date(s)	Ownership details
1858	Thomas Blackel Stephens/Anne Stephens. Portion 102, 52 acres. Three-year Lease to Commonwealth of Australia in 1901. Transfer to Stephens Estates Limited 1904.
1873	Thomas Blackel Stephens/Anne Stephens. Portion 102A, 4 acres 32 perches.
1920	War Services Home Commissioner. Sub 1 of Portion 102, 46 acres 26 perches.
1945	Repatriation Commission. Resub 2 and 134 to 173, 10 acres 15 39/100 perches.

7.2 Aerial Photographs

The SQP conducted a review of the following aerial photographs dated: 1936, 1941, 1946, 1955, 1964, 1974, 1983, 1994, 2001, 2004, 2007, 2011, 2016 and 2020.

The aerial photographs dating back to 1936, in conjunction with the historical land titles (**Section 7.1**) confirm:

- The land was cleared land in 1936 and 1941, and potentially in use for rural purposes
- The accommodation building and the main hall building in the south were evidence in 1946. The configuration of buildings on the Site therefore remained the same over this time period until the buildings were demolished in 2023
- The site was acquired by the Commonwealth of Australia in 1920 and the Site was developed as the Australian Red Cross Centre (ARCC) between 1941 and 1946
- Historical maps show buildings on the Site in 1947 which is consistent with historical aerial imagery, and the Site as the 'Red Cross Centre' in 1948
- The LotSearch report (Appendix K.2 of the CLID) identified a historical business referred to as a "Casket Agency" (i.e., for lotto/gambling) within Lot 118 RP46047, located directly north of the site.

The Auditor notes that the aerial photographs were summarised in the CLID but were detailed in previous investigations (Coffey, 2013a), an extract of which has been provided in **Appendix C**.

In relation to the land and properties surrounding the site, the CLID stated that:

- North - Residential houses
- East - Residential houses
- South - Headfort Street then Residential houses
- West – Newdegate Street then Health care (Greenslopes Private Hospital)

7.3 Government Records, Licences, Permits and Notices

7.3.1 Notifiable Activities

The site history presented in the CLID stated:

- The subject lot had been subject to the Notifiable Activity of 'HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Elevated concentrations of organochlorine

pesticides (DDD/DDT/DDE and Aldrin/Dieldrin) identified on site above the nominated investigation levels'.

- No other notifiable activities were identified to have historically occurred, or are currently being undertaken onsite.

7.3.2 Environmentally Relevant Activities (ERAs)

The CLID states that the Lot Search Report did not identify any ERA on the Site, or within the vicinity of the Site (1 km search radius).

7.3.3 Environmental Management Register (EMR) and Contaminated Land Register (CLR)

A search of the Environmental Management Register (EMR) and Contaminated Land Register (CLR) for each lot was conducted by the Client on 18 December 2024. Whilst this search was completed 4 years ago, it is understood that the findings have remained valid.

The search found Lot 123-Lot 125 RP46047 are subject to the following Notifiable Activity:

The site has been subject to contamination from a hazardous contaminant as follows:

HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Refer to the summary given below.

Elevated concentrations of organochlorine pesticides (DDD/DDT/DDE and Aldrin/Dieldrin) identified on site above the nominated investigation levels.

The site was not found to be included on the CLR (Appendix K.1 of the CLID).

7.3.4 Approvals, Licences, and Permits

Apart from the EMR listing, the CLID did not identify any records, approvals, licences or permits relating to environmentally relevant activities (ERAs) or environmental health for the site.

7.4 Anecdotal Information

No anecdotal information was collected by the SQP.

7.5 Chemical Usage and Storage

The SQP stated the only known onsite chemical storage was cleaning chemicals and paints. No storage/use of hazardous materials or dangerous goods were observed in subsequent inspections of the site undertaken in investigations undertaken between 2013, when the PSI was completed, to when the Site was demolished in 2023.

7.6 Environmental Incidents and Spills

The SQP stated that no known records or information were made available to indicate the occurrence of historical incidents involving releases of hazardous materials, building fires, or the storage of hazardous materials other than the storage of cleaning chemicals and paints.

7.7 Previous Environmental Assessments and Reports

Table 7 summarises the previous work undertaken by the SQP. No other previous environmental investigations, reports or plans were known to exist.

The key findings of the previous environmental assessments included:

- Identifying areas of interest, i.e. Area 1, 2 and 3 and associated CoPCs including asbestos, OCPs and aesthetics (i.e., slag)
- The requirement to undertake further soil and groundwater assessments

Table 7. Summary of Previous Environmental Assessments and Reports

No.	Investigation Type	Document Reference Details	Assessment Location	Assessment Date(s) and Sampling Locations	Scope of work and assessment findings
1	Phase 1 Contaminated Land Assessment	Department of Veteran Affairs Phase 1 Contaminated Land Assessment, 114 Newdegate Street, Greenslopes Queensland, 24 September 2013 (Coffey, 2013a)	114 Newdegate Street, Greenslopes ¹	<p>July 2013</p> <ul style="list-style-type: none"> • SS01: Area of salt accumulation² beneath the southern building • SS02: Within an unsealed area immediately below peeling paint and adjacent to timber potentially treated with pesticides and fibro cement sheeting • SS03: Beneath the northern building targeting asbestos and potential pesticide use • SS04: Wheelie bin storage area and area of compost pile and stressed vegetation 	<p>Objective</p> <p>To better define the risk presented by the current site condition to potential future site users</p> <p>Scope of work</p> <ul style="list-style-type: none"> • Desktop review • Site walkover • Preliminary sampling comprising four surface sample locations (SS01 to SS04) • Submission of 4 samples for total recoverable hydrocarbons (TRH)³, polycyclic aromatic hydrocarbons (PAH), organochlorine pesticides (OCPs), organophosphate pesticides (OPPs), 8 metals and asbestos in soil <p>Findings</p> <ul style="list-style-type: none"> • The Site had been developed prior to 1944 (earliest available aerial photography) • The Commonwealth of Australia had interests in the property since 1901 when it held a three-year lease • The War Services Home Commissioner became the registered owner of the Site in 1920 and the Site was transferred to the Repatriation Commission in 1945 • The Site was not registered on the EMR • An asbestos fragment was observed at the front of the northern building beside a tree. This was not identified on a figure • Asbestos fibres were detected in SS01 (0.07% w/w) and SS03 (0.02% w/w) • Elevated zinc concentrations were identified in SS01 (760 mg/kg) and SS02 (2,000 mg/kg) • OCPs above LOR were identified in all samples with detects of one or more of the following: DDD, DDT, DDT + DDE + DDD and dieldrin

No.	Investigation Type	Document Reference Details	Assessment Location	Assessment Date(s) and Sampling Locations	Scope of work and assessment findings
2	Phase 2 Contaminated Land Assessment	Department of Veteran Affairs Phase 1 Contaminated Land Assessment, 114 Newdegate Street, Greenslopes Queensland, 4 November 2013 (Coffey, 2013b)	114 Newdegate Street, Greenslopes ¹	September 2019 <ul style="list-style-type: none"> SA01/A01 to SA10/A10 HA01 to HA11 	<p>Objectives</p> <p>To further investigate the extent of contamination on the Site</p> <p>Scope of Works</p> <ul style="list-style-type: none"> Field screening of 10 locations for presence of asbestos Emu bob of exposed surface soils for ACM Collection of soil samples from twelve targeted locations and analysis of ten samples for asbestos fibres in soil Collection and analysis of soil samples from 11 locations for both metals and OCPs and 2 samples for cation exchange capacity (CEC) and pH <p>Findings</p> <ul style="list-style-type: none"> Chrysotile asbestos was detected in a total of four samples, including: <ul style="list-style-type: none"> One soil sample SA06 (0.0-0.1): asbestos fines (AF) (0.0005% w/w). This location was adjacent to the southern wall of the main hall building within a garden bed Fibre cement material from A01 (0.0-0.25), A04 (0.0-0.5) and A06 (0.2-0.42) which were collected in the immediate surrounds of the main hall and accommodation buildings. OCPs (aldrin + dieldrin) concentrations above HIL-A were identified in the immediate surrounds of the man hall and accommodation buildings Anthropogenic materials including slag was identified at A04 to A06, A08 and A10 The report provides details of additional investigations and / or remediation options and indicative costs for implementation of each option

No.	Investigation Type	Document Reference Details	Assessment Location	Assessment Date(s) and Sampling Locations	Scope of work and assessment findings
3	Delineation of OCP soil impacts	Department Of Veteran Affairs Delineation of Organochlorine Soil Impacts, 114 Newdegate Street, Greenslopes Queensland (Coffey, 2019)	114 Newdegate Street, Greenslopes ¹	October 2019 <ul style="list-style-type: none"> 1 to 12 and 14 to 18 6P, 7P, 9, 13P and 14P 19 to 36 	<p>Objectives</p> <p>To provide additional delineation and characterisation of the previously identified organochlorine impact on the Site</p> <p>Scope of Works</p> <ul style="list-style-type: none"> Advancement of 17 locations (1 to 12 and 14 to 18) to laterally delineate OCP impacts to depths of up to 0.5m Advancement of 5 locations (6P, 7P, 9, 13P and 14P) to confirm previous analytical results where OCP impacts had been identified and to vertically delineate impacts Advancement of 17 surface soil samples (19 to 36) for delineation purposes 46 samples were selected for OCP analysis, 2 for PAHs and metals and 12 for characteristic leaching procedure (TCLP) for OCPs <p>Findings</p> <ul style="list-style-type: none"> Aldrin + dieldrin were identified at locations where the building external walls intersected the ground, consistent with termite treatment around the two buildings perimeters. OCP impacts were observed in samples collected from 0.2 to 0.5 mbgl Asbestos was not analysed during this investigation Slag was identified within fill material 6 leachable dieldrin samples exceeded landfill acceptance criteria for clay lined landfills and 2 samples above leaching levels for double lined landfills
4	Supplementary Investigation (to address data gaps for remediation planning)	114 Newdegate Street Greenslopes Remediation Planning, Supplementary Investigation, 11 May	114 Newdegate Street, Greenslopes ¹	September 2021 <ul style="list-style-type: none"> BH01 to BH21 Slag 1 and Slag 2 	<p>Objectives</p> <p>To implement the scope of work described in the SAQP as well as comments provided by the Auditor on the SAQP</p> <p>Scope of Works</p>

No.	Investigation Type	Document Reference Details	Assessment Location	Assessment Date(s) and Sampling Locations	Scope of work and assessment findings
		2022 (Tetra Tech Coffey, 2022)			<ul style="list-style-type: none"> 21 hand augered boreholes (BH01 to BH21) Installation of a groundwater monitoring well (Mw01) to 6 mbgl in the north-western corner of the site Findings <ul style="list-style-type: none"> Fill materials containing ash and/or slag type material has been reported across the Site, and particularly along the western side of the Site Soil materials which in the upper ground deposits (<0.25 m bgs) were considered to pose an unacceptable risk to human health where OCPs were present and due to the potential for ACM Segregation of soils was required for landfill disposal purposes (refer to Figure 4A, Appendix C) Groundwater was not intersected and was considered likely to be >20 mbgl

¹ The site was historically referred to as 114 Newdegate Street, Greenslopes

² Salt accumulation was not observed in subsequent investigations in the vicinity of SS01 or elsewhere at the Site. The Auditor notes that SS01 was located immediately north of the main hall building within Lot 124 RP46047 adjacent to a former walkway between the two former buildings

³ The CLA notes that this is the only investigation where TRH was analysed

8 PRELIMINARY CONCEPTUAL SITE MEDIA (CSM)

A conceptual site model (CSM) reviews the site's geophysical characteristics and is a representation of site-related information regarding contamination sources, receptors and exposure pathways between those sources and receptors.

A tabulated conceptual site model (CSM) was developed by the SQP and presented in Section 4.6.1 of the CLID with an illustrative CSM provided in Figure 15 (**Appendix C**).

8.1 Evaluation of Potential Contamination Sources and Activities

The CLID identified the following potential contamination sources:

- ACM in fill / topsoil materials
- Anthropogenic materials in fill
- Historical termiticides applied to site buildings as termite barriers

No offsite activities or offsite sources of potential contamination were identified as likely to impact the site.

The Auditor's review of the site history also noted:

- Fill material was of variable thickness across the site and was typically observed between 0.2 m to 0.6 m thick. ACM and slag/ash type materials were present in fill material and were identified.
- The CLID identifies that the ACM was most likely from buildings on site, however, the Auditor notes that this material was likely imported given the fill thickness and that it also contained slag/ash type materials which does not align with known historic site activities. Fill material was likely imported prior to the construction of the buildings (i.e., prior to 1946).

8.2 Contaminants of Potential Concern (CoPCs)

The contaminants of potential concern (CoPCs) associated with the former site buildings, historical termiticides applied to site soils as termite barriers and imported fill / topsoil materials.

- Asbestos
- Metals
- OCPs

In addition to the above, four surface samples (SS01 to SS04) were also analysed during the Stage 1 PSI for other CoPCs including TRH, OPPs and PAHs (Coffey, 2013a). All results reported below the LOR and were therefore excluded from the sampling suite in subsequent investigations. Given the site history, which did not identify activities which may result in TRH, PAH and OPP contamination, and that fill / topsoil materials were successfully removed from the site, the Auditor considers this to be reasonable.

The Auditor notes that analysis for TRH and benzene, toluene, ethylbenzene, xylene and naphthalene (BTEXN), OCPs / OPPs, PAH and PFAS was conducted on imported material brought to site following the successful removal of fill materials from site. This material was also inspected to ensure that material met NEPM aesthetic requirements relating to anthropogenic materials.

8.3 Potential Receptors

The SQP identified the following potential receptors:

- On- and off-site construction workers
- General public assessing the site
- Surrounding land users/neighbouring properties
- Flora and fauna both on- and off-site including within Norman Creek (drain)

The Auditor notes that potential receptors could include onsite residents and maintenance works including those involved with subsurface excavations.

8.4 Pathways

The CLID identified the following potential transport mechanisms and exposure pathways for receptors to encounter the identified CoPCs:

- Inhalation of asbestos fibres and contaminated dust
- Dermal contact with contaminated soil
- Ingestion
- Biological uptake mechanisms
- Consumption, bioaccumulation, biomagnification

The Auditor notes that the following pathways could also impact receptors:

- Ingestion may include soil borne contaminants or home-grown produce grown in contaminated soil
- Migration of contaminants offsite as dust, stormwater runoff and/or through groundwater migration

8.5 Environmental Media

Table 8 presents the Auditor's assessment of the environmental media likely to be impacted by the CoPCs associated with the three Areas of Interest (AOIs). The Auditor's assessment concluded that soil and groundwater were the relevant media of interest warranting further investigation. This conclusion is consistent with the SQP's decision to undertake further soil and groundwater investigation.

Table 8. Assessment of likely affected environmental media

Areas of Interest (AOI) ¹	Description ¹	CoPC	Assessment of environmental media
Area 1	Accommodation Building	<ul style="list-style-type: none"> • OCPs • Asbestos (including loose asbestos fibres) • Heavy metals (arsenic, cadmium, chromium, copper, lead, mercury, nickel, zinc) 	<p><u>Soil</u></p> <ul style="list-style-type: none"> • Soil impacts including OCPs and asbestos were reported in fill materials on site. OCP impacts appear generally limited to surface soils (0.0-0.2m) and within direct vicinity of the former buildings <p><u>Groundwater²</u></p> <ul style="list-style-type: none"> • A shallow groundwater well (MW01) was installed to 6 mbgl in the northwestern corner of the site but did not intersect groundwater. The CLID indicates that conditions on the site and surrounding area are unlikely to result in the formation of shallow water bearing zone due to the site elevation and topography combined with anticipated depth of groundwater (>20 mbgl) in the Neranleigh-Fernvale beds (NFBs) (as discussed in Section 6.4) • Further assessment of groundwater was not necessary considering depth to groundwater, all fill material (where soil impacts were evident) were later removed from the site and underlying soil validated and not impacted by CoPC <p><u>Surface Water</u></p> <ul style="list-style-type: none"> • Surface water runoff from the Site is discharged into the BCC kerb drainage system in Newdegate Street
Area 2	Main Hall Building		
Area 3	Areas located along the southern boundary of the site		

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			<ul style="list-style-type: none"> Stormwater in the vicinity of the Site will discharge to the Norman Creek Thus, risk to these surface water receptors was considered low and further investigation is not warranted
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¹ as described in the SAQP (Coffey, 2021a)

² The Auditor notes that shallow groundwater was not encountered during the supplementary investigation and therefore groundwater monitoring has not been completed (refer to **Section 7.7**).

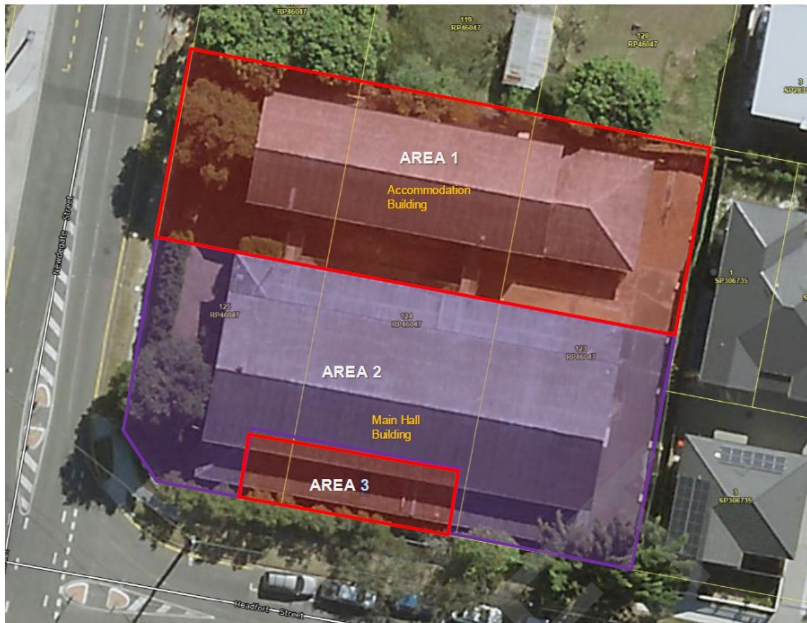


Plate 6. Areas of Interest identified within the SAQP (Coffey, 2021a)

8.6 Areas of Uncertainty

The CLID identified the following areas of uncertainty with respect to the preliminary CSM:

- Previous investigations have not sampled soil materials beneath the concrete slab located along the northern half of the Accommodation Building, and beneath the concrete pavement along the eastern boundary of the Site.
- Elevated concentrations of zinc were found at two locations in Area 2 (SS01 and SS02). While the concentrations are below NEPM Guidelines for Parks and Open Spaces, recipient landfills may require leachability tests for waste classification purposes.
- The potential for contamination in the concrete slabs has not been previously investigated. OCPs have the potential to be present in concrete slabs as well as building stumps/footings.
- Soil materials containing slag have been analysed however it is recommended that the slag materials be crushed and analysed.

8.7 Auditor Comments and Findings

The CoPCs and the environmental media selected are considered appropriate given the site history and the results of the site assessments. The preliminary CSM developed by the SQP was found to be appropriate for the assessment of the site with further consideration by the Auditor.

The following factors were considered in the review of the preliminary CSM for the site by the Auditor:

- The preliminary CSM was developed with consideration to a full and detailed site history review

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- The site history information provided has been confirmed and verified by the Auditor where possible
- Compliance with the NEPM guidelines has been verified
- The preliminary CSM was developed with consideration to all Environmental Values including human health receptors, ecological receptors, benefits and/or costs to the greater community, aesthetic values, and cultural / science values, as appropriate
- The sources (including all CoPCs), pathways and receptors identified by the SQP have been critically reviewed by the Auditor and found to be both reasonable and acceptable

The environmental setting for the site and potential receptors were described by the SQP and are summarised in **Section 6** and **Section 8.3** respectively in this report. The contaminant source was described by the SQP and summarised in **Section 8.1** of this report. The potential receptor-pathway-linkages were assessed and described by the SQP and summarised in **Section 8.3** and **Section 8.4** of this report.

The preliminary CSM developed for the site by the SQP was considered suitable for Auditor concurrence.

9 CONTAMINATED ASSESSMENT

Section 9.4 details the characterisation assessment of soils underlying the site. These assessments have been collectively referred to in the previous investigations (Section 3.0) within the CLID.

Details of the remediation and validation of in-situ soils is detailed in **Section 10**. **Section 11.4** presents an assessment of the reliability of both the:

- Soil data collected during the characterisation assessment of onsite soils
- Soil sampling and validation post remediation

9.1 Sampling Objectives

The objective of the characterisation assessment works was to sufficiently characterise the extent of contamination on the site and to obtain supporting information for the removal of the site from the EMR.

9.2 Site Assessment Criteria

9.2.1 Soil Site Assessment Criteria

The SQP adopted the site assessment criteria for soil from the NEPM (2013). The future use of the site is understood to be public park and Legacy House. Removal of the site from the EMR is being sought, and the site must be suitable for unrestricted landuse including residential with garden accessible soil. The following NEPM 2013 criteria were adopted by the SQP:

- Health investigation levels (HILs):
 - HIL-A and HSL-A – Residential with garden accessible soil;
 - HIL-B and HSL-B – High-density residential with minimal opportunities for soil access; and
 - HIL-C and HSL-C – Commercial/Industrial
- Management Limits for petroleum hydrocarbon compounds, which are applicable as screening levels following evaluation of human health and ecological risks
- Ecological investigation levels (EILs) and ecological screening levels (ESLs) for the protection of ecological receptors:
 - EIL residential – urban residential and open public space landuse
 - ESL- residential
 - Site-specific EILs for trivalent chromium, copper, nickel, lead, arsenic, zinc and DDT were calculated as part of the CLID. The Auditor reviewed the calculations and notes the methodology presented followed NEPM 2013 Schedule B1 for example, using pH and CEC (for Zn) to determine ACL (added contaminant limit) and literature background levels for ABC (added background concentrations).

NEPM 2013 Schedule B1 refers to Standard AS 1726:1993 for determining coarse and fine textured soils. The Auditor reviewed AS1726 and notes that this has been correctly, and for some soil layers, conservatively applied. Aesthetics of the site, as described in NEPM 2013 Schedule B1, were considered by the SQP.

9.2.2 Groundwater Site Assessment Criteria

Groundwater site assessment criteria was not utilised as shallow groundwater was not encountered (<6 mbgl).

9.2.3 Auditor Comments

The Auditor has reviewed the criteria adopted by the SQP and confirms that the criteria have been correctly applied.

9.3 Overview of Field Activities

Table 9 summaries the site activities undertaken by the SQP and the dates.

Table 9. Summary of Site Activities

Date	Description of Activity undertaken by the SQP
3/07/2023	Pre-remediation inspection by the SQP of the site during above ground demolition works and inspection of areas previously covered by buildings / inaccessible. Demolition of above ground infrastructure was conducted between May and August 2023
28/08/2023	Commencement of remediation works
31/08/2024	Further characterisation of Area 1C located in the northern portion of the site and within the northwest corner of Lot 123 RP46047. It is noted this area was previously partially sealed by concrete and the accommodation building. No other characterisation works were conducted during the remediation program
5/09/2023, 7/09/2023 and 12/09/2023	Inspection by the SQP of remediation excavation works along the southern boundary of the site including consult with the remediation contractor relating to the brick heritage fence (sometimes alternatively referred to in the CLID as the heritage wall) and the exposed footings of the heritage fence
18/09/2023	Inspection by the SQP of remediation excavation works along the eastern boundary of the site
21/09/2023	Inspection by the SQP of remediation excavation works along the western boundary of the site and the trench excavation works which included the removal of former site infrastructure including a former fire main and sewer pipe infrastructure (refer to Figure 7, Appendix C)
6/10/2023	Inspection by the SQP of remediation excavation works along the eastern boundary of the site
26/10/2023	Excavations complete. Survey of the sampling grid and boundary of the excavation areas
4/12/2023	Inspection attended by the SQP, Auditor and Remediation Contractor to discuss further remediation works required along the northern site boundary
13/12/2023	Inspection by the SQP of the additional remediation along the northern site boundary

9.4 Field Investigations – Soil

9.4.1 Sampling Program

Field investigations were undertaken in accordance with the SAQP and based on the requirements of *AS4482.1-2005 Guide to the investigation and sampling of sites with potentially contaminated soil, Part 1: Non-volatile and semi-volatile compounds*. The SQP identified that AS4482.1 has been withdrawn pending revision but that this did not impact the outcomes of the investigation.

The SQP also identified that the investigation adopted a judgemental sampling program to target data gaps.

The SQP conducted soil sampling concurrently with the installation of the groundwater monitoring well (MW01). Sampling locations comprised of the following surface locations, soil bores and hand augers (Figure 10, Appendix C):

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- Surface soil sampling from SS01 to SS04 on 16 July 2013
- Surface soil sampling from SA01/A01 to SA10/A10 and hand auger locations HA01 to HA11 on 25 September 2013
- Locations 1 to 12 and 14 to 18, 6P, 6P, 7P, 9, 13P and 14P, 19 to 36 on 1 October 2019
- Drilling of BH01 to BH21 and collection of Slag 1 and Slag 2 on 3 September 2021
- Drilling on 17 September 2021 of MW01 (dry) utilising a truck-mounted hydraulic drilling rig

9.4.2 Soil Conditions Encountered

The following conditions were encountered by the SQP during the intrusive soil field investigation:

- Fill materials identified to a maximum depth of 0.6m and were deepest along the southern and south-western boundary of the site. Fill material generally comprised of:
 - reworked firm, dry, red brown, low plasticity silty clay fill interspersed with bedding sands and gravels in the north of the site
 - a thin (<0.1m) layer of topsoil (fill) containing organic matter was also identified in some vegetated areas
 - ash and slag-type materials from the east, south and west of the Site
 - other anthropogenic encountered in fill materials included brick, concrete, wood, slag, ash, and glass
- Natural materials comprising:
 - firm, dry, red/brown, low plasticity silty clays transitioning to slightly moist medium plasticity orange/brown silty clays with occasional bands of sub rounded gravels
 - Weathered mudstone was encountered from approximately 2.9 m bgs in the north-western portion of the Site in MW01. Although not specifically stated in the CLID, weathered mudstone was also encountered in validation samples collected the western portion of the site, specifically near the south-west boundary (HS10, HS10A, HS10B) and near the site access driveway on Newdegate Street (DW-B1 to DW-B4).

9.4.3 Field Investigation – Groundwater

9.4.3.1 Well Installation

One groundwater monitoring well was installed onsite on 17 September 2021. **Table 10** summarises the newly installed monitoring well details and the location is illustrated on Figure 3, **Appendix C**.

Groundwater was not intersected during drilling and a dry well was installed. The monitoring well was checked again on 24 November 2021 and was dry. The SQP's records associated with these activities were provided in Appendix L2 and K.21 of the CLID.

Table 10. Groundwater Monitoring Well Details

Well ID	Physical location in relation to the site	Depth of base (mbgl)	Screen Interval (mbgl)	Water Level at installation (mbgl)
MW01	Northwestern corner	6	3.0 – 6.0	Not applicable – location was dry

9.4.4 Auditor Comments

The Auditor has reviewed the field methodology adopted by the SQP and confirms that the methodology has been correctly applied. Shallow groundwater was not encountered and given the source of contamination has been successfully removed and the primarily CoPCs generally have low solubility/leachability and validation sampling was below site criteria, it is therefore concluded that there is a low risk of leaching into surface water and groundwater.

9.5 Laboratory Assessment

9.5.1.1 Soil Analytical Program

The CLID stated:

- All analysis was completed by NATA accredited laboratories:
 - Primary laboratory: Eurofins Environmental Testing Australia Pty Ltd (Eurofins): NATA accreditation number 1261
 - Secondary laboratory: Australian Laboratory Services Environmental (ALS): NATA accreditation number 825

A list of the soil samples analysed and a summary of the requested analytes for each sample are presented in **Table 11**.

Table 11. Soil Investigations – Soil Laboratory Analytical Program

Stage of Works	No. of locations	Sampling IDs	No. of samples analysed				Laboratory analyses
			Primary	Duplicate	Split	Other QC	
Phase 1 Contaminated Land Assessment (Coffey, 2013a)	4	SS01 to SS04	4	0	0		<ul style="list-style-type: none"> • TRH, PAHs • OCPs/OPPs • Metals • asbestos in soil
Phase 2 Contaminated Land Assessment (Coffey, 2013b)	21	<ul style="list-style-type: none"> • SA01/A01 to SA01/A10 • HA01 to HA11 	21	2	2	1 Rinsate	<ul style="list-style-type: none"> • ACM • FA and AF • Metals • OCPs
Delineation of OCP soil impacts (Coffey, 2019)	17	<ul style="list-style-type: none"> • 1 to 12 and 14 to 18 • 6P, 7P, 9, 13P and 14P • 19 to 36 	46	4	4	1 rinsate and 1 field blank	<ul style="list-style-type: none"> • OCPs (all) • 2 samples for PAH and metals • 12 samples for TCLP
Supplementary Investigation (Tetra Tech Coffey, 2022)	22	<ul style="list-style-type: none"> • BH01 to BH21 • MW01 	18	2	2	1 trip blank	<ul style="list-style-type: none"> • OCPs • AF • ACM • Zinc
Area 1C	6	<ul style="list-style-type: none"> • IC1 to IC6 	6	0	0	0	<ul style="list-style-type: none"> • OCPs
Totals	70	-	95	8	8	-	-

1. Duplicate is intra-laboratory sample of the parent sample and split is inter-laboratory sample of the parent sample

9.5.1.2 Analytical Results

The laboratory results of analysed soil samples collected from the drilling, surface and hand auger locations are presented in **Table 13 (Appendix C)**. Analytical results are as follows:

- Soil bore and hand auger locations:

- Concentrations of all analytes were below the adopted site acceptance criteria except asbestos (SS01, SS02), zinc (SS01, SS02 and HA11) and OCPs including chlordane (HA02, HA03) and aldrin and dieldrin (HA07/SA12, HA09, HA10, 8-0.0, 9-0.0, 9-0.0 (HA09), 10-0.0, 1q-0.45,

10 SITE REMEDIATION AND VALIDATION WORKS

10.1 Remediation Objective

The primary objectives for the remediation of the Site were to make it suitable for park and community use, and to remove contaminated soil from the Site as far as practicable such that the Site can be removed from the EMR.

10.2 Remediation Works

The CLID states that a total of approximately 1,400 tonnes or approximately 875 m³ of fill/soil material were removed from the Site assuming an in-situ bulk-density of 1.6 tonnes/m³. Based on the area of the site (1,933 m²), the SQP estimates that this equates to an average excavation depth of approximately 0.45 m over the site.

The SQP, Jeremy Wicks of Tetra Tech Coffey inspected site works on 17 occasions and validation samples were collected by Alistair McLay, Megan Thomson and Michael Page of Tetra Tech Coffey who directed excavation activities in consultation with the SQP between 28 August and 23 October 2023. Enviropacific Services (EPS), a specialist remediation contractor, were engaged by the Client to undertake excavation and removal of site infrastructure (refer to Section) and impacted material. EPS also co-ordinated the transportation of contaminated material off-site and imported material on-site.

Remediation works comprised of:

- Site establishment by EPS including disconnection of building services to the site and establishment of OCP dust monitoring stations. Air quality monitoring was conducted during remediation
- Removal of:
 - above ground infrastructure including the former buildings
 - building services from the Site with the exception of a pre-existing sewer connection shown in Figure 12, **Appendix C**, and the reconnection of a water main to the Site
- Removal of impacted soils and inspection of excavated areas by the SQP and Licenced Asbestos Assessor (LAA) prior to validation sampling.
- Off-site disposal of excavated materials under DESI approved Disposal Permits by EPS
- Collection of validation samples by experienced Tetra Tech Coffey Environmental Scientists under the supervision of the SQP
- Submission of validation samples to NATA accredited laboratories including Eurofins (primary and intra-laboratory duplicate samples) and ALS (inter-laboratory duplicate samples)

10.3 Sampling Program

Field activities were conducted on 12 September 2023 to 14 December 2023. Figures 6 to 9 in the CLID (refer to **Appendix C**) show the locations of the following soil validation samples collected and analysed:

- V01 to V14: validation samples taken from the southern portion of the site post removal of stockpiled imported material
- Samples collected from trenches post removal including:
 - T01 to T09: validation samples from a trench following the removal of a sewer pipe. These samples were located near the northern site boundary
 - T10 to T24: validation base samples from a trench following the removal of a sewer pipe. These samples were located on the eastern portion of the site
 - TR01 to TR06, T25 to T27 and DW-B2 to DW-B4: validation base samples from a trench following the removal of a fire main near the site entry adjacent to Newdegate Street
- Final excavation floor validation samples including:
 - A1 to A10

- B1 to B10
- C1 to C10
- D1 to D10
- E1 to E10
- F1 to F10
- G1 to G10
- H1 to H10
- Boundary validation samples including:
 - North: HSB09 to HSB17 (validation not achieved) and HSB18 to HSB27
 - South (Headfort Street): HS01 to HS12, HS10A and HS10B
 - East: HSA01 to HSA04
 - West (Newdegate Street): HSB01 to HSB10

10.3.1 Auditor Comments

The Auditor noted the following:

- Soil samples were collected and handled in general accordance with the requirements of the NEPM 2013
- Collection and analysis of the five soil stockpile samples (PC01 0.3 and SP01 to SP04) exceeded the NSW EPA recommended minimum number of soil stockpile samples by the NSW EPA, and is considered appropriate to characterise the excavated material
- The sampling density achieved on the floor and walls of the excavations was considered appropriate

10.4 Laboratory Assessment

10.4.1 Analytical Program

Table 12 tabulates the soil samples collected as part of the remediation and validation works and details the laboratory analysis undertaken.

Table 12. Remediation and Validation – Soil Laboratory Analytical Program

Stage of Works	Location	No. of Locations	Sampling IDs	No of samples analysed			Laboratory analyses / CoPCs
				Primary	Dup	Split	
Remediation	Imported fill	12	<ul style="list-style-type: none"> • IF01 to IF06 • CF01 to CF06 (stockpile samples) 	12	0	0	<ul style="list-style-type: none"> • OCPs and OPPs • Asbestos • PFAS • TRH, PAH and BTEXN • metals
Validation	Wall and base samples	290	<ul style="list-style-type: none"> • V01 to V14 • T01 to T24 • TR01 to TR06 • T25 to T27 • DW-B2 to DW-B4 • A1 to A10 • B1 to B10 • C1 to C10 • D1 to D10 • E1 to E10 	290	25	16	<ul style="list-style-type: none"> • OCPs • Metals • PAH

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Stage of Works	Location	No. of Locations	Sampling IDs	No of samples analysed			Laboratory analyses / CoPCs
				Primary	Dup	Split	
			<ul style="list-style-type: none"> F1 to F10 G1 to G10 H1 to H10 HSB09 to HSB17 HS01 to HS12 HS10A and HS10B HSA01 to HSA04 HSB01 to HSB10 				

Table notes:

1. Duplicate is the intra-laboratory sample of the parent sample
2. Split is the inter-laboratory sample of the parent sample

10.4.2 Analytical Results

10.4.2.1 Imported Fill Material

Twelve imported fill material, CF01 to CF06 and IF01 to IF06, were collected from the on-site temporary stockpile samples and from the locations indicated on Figure 10 (**Appendix C**) for the CoPCs identified in **Table 12**.

10.4.2.2 Soil validation Sampling

Analytical results of soil validation samples collected from the walls and base of the excavations are summarised in Table C.1.1 (**Appendix C**).

Reported concentrations of CoPC in soil validation samples collected from the walls and floors of the excavations were all below the adopted site assessment criteria with the exception of the following:

- Arsenic: HSA02_TS_230920 (350 mg/kg) and HSA03_TS_230920 (170 mg/kg)
- Lead: HSB04_F_231016 (370 mg/kg)
- Total chromium: B1, C7, D4, D8, E2, E4, F10, G3, G10, QC114 (duplicate of H9), H10, T18-B, T21-B, T22-B, and T24-B with concentrations ranging between 130 mg/kg to 220 mg/kg. Chromium speciation was completed to determine if concentrations were resulting from anthropogenic (CrVI) or natural (CrIII) sources.

10.4.3 Auditor Comments

The Auditor noted the following:

- The analytical program undertaken by the SQP was considered appropriate to characterise site soils for offsite disposal
- The concentrations of CoPCs remaining in the insitu soils of the excavations confirmed the excavations were validated and appropriate to remain onsite for unrestricted landuse including residential with garden accessible soil

11 DISCUSSION

11.1 Soil Investigations

Table 13 summarises the soil impacts identified during site soil investigations. The following CoPCs were identified primarily within fill / topsoil material: asbestos, zinc and OCPs including aldrin and dieldrin. Elevated concentrations of aldrin and dieldrin were also identified at two locations 10-0.45 (9.51 mg/kg) and 11-0.45 (14 mg/kg) within natural soils (clay) to depths of up to 0.45 mbgl. Excavation depths in the vicinity of these sample locations was approximately 0.75 mbgl (refer to Section 6.5 of the CLID).

Table 13. Assessment of Soil Impacts

CoPC exceeding the adopted site assessment criteria	Sample ID No.	Sample Depth (m)	Discussion and implications
Asbestos	SS01	0.0-0.1	All fill material was successfully removed from the site. Elevated aldrin and dieldrin concentrations at 10-0.45 (9.51 mg/kg) and 11-0.45 (14 mg/kg) were identified in natural soils (clay) adjacent to or immediately down gradient of the southern and western walls of the accommodation building. It is noted that excavation depths in the vicinity of these sample locations was approximately 0.75 mbgl
	SS02	0.0-0.1	
Zinc	SS01	0.0-0.1	
	SS02	0.0-0.1	
	HA11	0.0-0.1	
Chlordane	HA02	0.0-0.1	
	HA03	0.0-0.1	
Aldrin and dieldrin	HA07/SA12	0.0-0.1	
	HA09	0.0-0.2	
	HA10	0.0-0.2	
	8-0.0	0	
	9-0.0	0.0-0.1	
	9-0.0 (HA09)	0.0-0.1	
	10-0.0	0.0-0.1	
	10-0.45	0.45	
	11-0.45	0.45	
	13P-0.0 (HA07)	0.0-0.1	
	13P-0.2 (HA07)	0.2	

CoPC exceeding the adopted site assessment criteria	Sample ID No.	Sample Depth (m)	Discussion and implications
	14P-0.0 (HA10)	0.0-0.1	
	15-0.0	0.0-0.1	
	34-0.0	0.0-0.1	
	36-0.0	0.0-0.1	
	BH14-0.1	0.1	
	BH21-0.1	0.1	

11.2 Groundwater Investigations

A shallow groundwater monitoring well (MW01) was installed in the northwestern corner of the site to 6 mbgs (refer to Figure 2, Appendix C) to determine if a shallow groundwater water bearing zone existed but was not intersected. The location was not surveyed.

11.3 Remediation Works

Remediation works involved the:

- Removal of all above ground infrastructure with the exception of the brick heritage fence which has been retained
- Removal (from the site) of fill impacted by OCPs, asbestos and heavy metals
- Offsite disposal of the material occurred to lined landfill (1,220.8 tonnes) and monocell landfill (178.64 tonnes).

Soil validation sampling of the site boundary excavation walls and base of the excavations determined that the residual/remaining soils were suitable for unrestricted land use including residential with garden accessible soil.

11.4 Data Reliability and QA/QC

Quality control (QC) is achieved by using NATA registered laboratories using ASTM standard methods supported by internal duplicates, the checking of high, abnormal, or otherwise anomalous results against background and other chemical results for the sample concerned. Quality assurance (QA) is achieved by confirming that field results, or anticipated results based upon comparison with field observations, are consistent with laboratory results. Also, that sampling methods are uniform, and decontamination is thorough. In addition, the laboratory undertakes additional internal quality assurance procedures and tests. These QA/QC processes were undertaken as part of this assessment, including collection and analysis of intra and inter laboratory duplicates.

The Auditor completed a data reliability review of the following investigations conducted by Tetra Tech Coffey:

- Phase 1 Contaminated Land Assessment (Coffey, 2013a)
- Phase 2 Contaminated Land Assessment (Coffey, 2013b)
- Delineation of OCP soil impacts (Coffey, 2019)

- Supplementary Investigation (Tetra Tech Coffey, 2022)
- Site validation of the excavations and the stockpile material

This data reliability review raised issues (refer to **Appendix E**); however, the issues were not considered to materially impact on the ability to rely on the data collected. It is the opinion of the SQP and the Auditor that the data quality process for both field and laboratory components of the investigation were appropriate to enable the report conclusions to be relied upon.

11.5 Finalised Conceptual Site Model (CSM)

A CSM considers the environmental setting including the hydrology, geology and hydrogeology, and is a representation of the contaminant source, pathway to receptors, and receptor linkages at the site. The CSM, as required by the NEPC (2013), is an iterative process constantly being updated during the investigation process as more information becomes available.

For contamination at a site, to present a potential human health or ecological risk to a proposed land use, all the following must be present:

- Contaminant source(s)
- Exposure pathway(s)
- Receptor(s)

The soil investigations and remediation and validation works conducted by the SQP have demonstrated that concentrations of contaminants of potential concern in the residual soils remaining onsite and groundwater underlying the site are unlikely to present a risk to receptors. Thus, the site should be considered suitable for unrestricted land use including residential with garden accessible soil, and is suitable for removal from the EMR.

12 AUDITOR INDEPENDENT DATA VERIFICATION

The primary sources of data independently verified by the Auditor are summarised in **Table 14**.

Table 14. Summary of Auditor Independent Data Verification

Description of data verified	Status
Verification of current site status on Google Earth, including a search and review of site layout (and historical layout, as appropriate) and site surrounds	✓
Verification of location of Environmental Sensitive Areas and surface water bodies	✓
Verification of aerial photograph reviews	✓
Verification of historical titles (cross referencing of the documentation provided)	✓
Verification of DESI searches and previous notifications	✓
Verification of geology and hydrogeology using QLD Globe, including an independent search of local water bores, checking the geological areas, and determining the appropriate assessment of the source-pathway-receptor, with regards to EPP (Water and Wetland Biodiversity)	✓
Verification of soil conditions based on the site inspection and also the likelihood of the presence of Acid Sulphate Soils based on the Queensland Acid Sulphate Soil maps accessed through QLD Globe and local soil suitability maps	✓
Verification of the site activities and potential for contaminants of concern, based on site inspections and discussions with both the SQP and the Client. The Auditor experience and expertise were also employed to make a learned judgement on the likelihood of the contamination, based on the site history provided.	✓
Verification of actual findings, based on site inspections during the works	✓
Verification of the site setting and the detail discussions, based on the Auditor's local knowledge and knowledge of other sites in vicinity of the area or sites of a similar nature	✓
Verification of the SQP/SQP Support status based on prior knowledge of working on similar sites with the same SQP and checking qualifications, as necessary	✓
Verification of previous reports relied upon or used for information purposes	NA
Verification of the CLID, based on cross-referencing the requirements of NEPM in addition to knowledge of both the site, likely contaminants, likely pathways, and likely receptors within the area	✓
Verification of field methods and review of Standard Operating Procedures (SOPs), including discussions with the SQP and verification of data quality	✓
Data verification included review of: Sample Receipt Notices (SRNs) for holding times and sample integrity; Chain of Custody (COC) documentation; Certificates of Analysis (COA) for both results and laboratory QA/QC procedures; summary tables for transposition and interpretation errors, as well as confirmation of Relative Percent Difference results; results discussion within the text for correct interpretation and appropriate use of criteria; and results within site figures	✓
Verification of specific support experts as required	NA
Verification of any non-conformance with both NEPM and Section 389 (1) and (2)	NA

Description of data verified	Status
Verification that the SQP CLID (or the Auditor report) does not contain any limitations which may compromise DESI's ability to rely on the certified CLID for regulatory decision-making purposes (noting this is based on the Auditor's best interpretation but has not been verified by legal review)	✓
As required by Module 6, the Auditor has not included any limitations of reliance on the Audit report and has ensured the CLID has been able to be specifically used for the purpose of DESI and the Auditor	✓
Verification that there is no evidence of misrepresentation or omission of material information by the SQP or Auditor that may compromise the SQP Suitability Statement or Auditor certification	✓

13 CONCLUSIONS, RECOMMENDATIONS AND SUITABILITY STATEMENT

DES (2015) described that in assessing the suitability of a CLID, the following provisions of subsections 389 (2), (3) and (4) of the EP Act should be evaluated by the Auditor. The outcomes of the assessment are outlined in Table 15.

Table 15. Prescribed Criteria Summary

Subsections of section 389 of the (Qld) Environmental Protection Act 1994		Reference to CLID (i.e., sections, pages and/or paragraphs) addressing criteria	Reference to auditor's statement of reasons of why each requirement has been deemed compliant
(2)	If the contaminated land investigation document is a site investigation report or validation report, the document must be in the approved form and include—	-	-
(2)(a)	the following information about the relevant land—	-	-
(2)(a)(i)	The reasons particulars of the land have been recorded in a relevant land register;	Section 1, 4.1, 4.2.5, 4.3.1, 8, Appendix K.1 and Appendix K.3	Section 7.3.3
(2)(a)(ii)	A description of all surface and subsurface infrastructure on the site, including details of the location, size and type of the infrastructure;	Section 3, 4.2, Appendix A, Appendix K.15, Appendix L	Section 6.10
(2)(a)(iii)	A description of the surrounding area of the land, including a description of each of the following in the surrounding area -	Section 4.1, 4.2, Figure 1 and Appendix K.13, Appendix L	-
(2)(a)(iii)(A)	All environmentally sensitive areas	Section 4.4	Section 6.9
(2)(a)(iii)(B)	The location of all water, watercourses and wetlands	Section 4.4	Section 6.5, 6.6
(2)(a)(iii)(C)	The location of all stormwater drainage	Section 4.2.8, Appendix K.15	Section 6.10.1
(2)(a)(iii)(D)	All uses of the land, including uses that may affect the safety of the relevant land or cause environmental harm;	Section 4	Section 5.3, 5.4
(2)(a)(iii)(E)	All activities carried out that may affect the safety of the relevant land or cause environmental harm;	Section 4	Section 5, 7

Subsections of section 389 of the (Qld) Environmental Protection Act 1994		Reference to CLID (i.e., sections, pages and/or paragraphs) addressing criteria	Reference to auditor's statement of reasons of why each requirement has been deemed compliant
(2)(a)(iv)	For waste disposed of or stored on the land that contains, or may potentially contain, hazardous contaminants -	Section 4.2.9	Section 6.11
(2)(a)(iv)(A)	<ul style="list-style-type: none"> Details of the location, volume and type of the waste; and 		
(2)(a)(iv)(B)	<ul style="list-style-type: none"> Details of any potential contamination of the land caused by disposing of or storing the waste on the land; 		
(2)(a)(v)	A description of the geology and hydrogeology of the land;	Section 3, 4.4.3 to 4.4.7, and 6.9	Section 6.3, 6.4
(2)(a)(vi)	Details of any environmentally relevant activities or notifiable activities carried out on the land, including the materials used and waste produced during the carrying out of the activities;	Section 4.3.2 and 4.2.9	Section 7.3
(2)(a)(vii)	Details of any earthworks carried out on the land, including the materials used and waste produced during the earthworks;	Section 6 and Section 4.2.10	Section 6.12
(2)(a)(viii)	If work has been carried out on the land to remediate the contamination of the land—the contamination levels recorded on the land before and after the work was carried out.	Section 3, 4.5, 6.9, Appendix 3, Appendix L	Section 7.7, 9.4.1, 10
(2)(b)	A statement (a site suitability statement) of the uses or activities for which the land is suitable; and	Section 9, Appendix M	Section 13.1
(2)(c)	A statement of the following matters—	-	-
(2)(c)(i)	Whether the land is prescribed contaminated land;	Section 9, Appendix M	Section 13.1
(2)(c)(ii)	If the land is contaminated—the extent to which the land is contaminated.	Not applicable	Not applicable
(3)	If the contaminated land investigation document is a draft site management plan, the document must be in the approved form and include—	Not applicable	Not applicable

Subsections of section 389 of the (Qld) Environmental Protection Act 1994		Reference to CLID (i.e., sections, pages and/or paragraphs) addressing criteria	Reference to auditor's statement of reasons of why each requirement has been deemed compliant
(3)(a)(i-iii)	The following information about the relevant land— <ul style="list-style-type: none"> the proposed objectives to be achieved and maintained under the plan; and the proposed methods for achieving and maintain the objectives; and the proposed monitoring and reporting compliance measures for the land		
(3)(b)	A statement (a site suitability statement); and		
(3)(c)	A statement of the following matters -		
(3)(c)(i)	Whether the land is prescribed contaminated land		
(3)(c)(ii)	If the land is contaminated – the extent to which the land is contaminated;		
(3)(c)(iii)	Whether the proposed objectives, methods and measures stated in the plan under paragraph (a) are appropriate; and		
(3)(d)	A reference to, and a copy of, the site investigation report or validation report that relates to the draft site management plan; and		
(3)(e)	A description of the source, cause and extent of environmental harm to be managed under the plan		
(4)	A contaminated land investigation document must be accompanied by a certification by an auditor (an auditor's certification) that—	Not applicable	Appendix B
(4)(a)	Is in the approved form; and		
(4)(b)	Verifies that the document complies with subsection (2) or (3)		

13.1 Site Suitability

The following site suitability statement was provided by the SQP in Section 9 of the CLID, with the approved form provided in **Appendix B**.

Outcome 1—The land is not contaminated land and is suitable for any use

'The land described as Lot 123 RP46047, 124 RP46047, and 125 RP46047 is not contaminated land and is suitable for unrestricted land use, including Land Use A (residential with garden/accessible soil; childcare centres, preschools, and primary schools with access to soil) and sensitive land uses listed in Schedule 24 of the Planning Regulation 2017. It has been demonstrated that:

1. the land is not being used for a notifiable activity, and

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2. the land is not affected by a hazardous contaminant, and
3. the land is not prescribed contaminated land, and
4. an appropriate assessment of site contamination has been conducted using current best practice and in accordance with the current state and Commonwealth legislation, policies and guidelines, Australian Standards, and the National Environment Protection (Assessment of Site Contamination) Measure 1999.'

13.2 Auditor's Certification

Section 389(2) of the EP Act requires that *"If the contaminated land investigation document is a site investigation report or validation report, the document must be in the approved form"*. A completed copy of the approved form is included in **Appendix B**.

13.3 Conclusions

The audit conclusions are based on the information described in this contaminated land audit report, and the conclusions, the auditor certification and Site Suitability Statement should be read in conjunction with the complete contaminated land audit report, including the Limitations. The objectives of this contaminated land site audit report (SAR) and associated auditor certification are to:

- Evaluate the CLID and associated site investigations, prepared by the SQP against the prescribed criteria
- Summarise the findings of site investigation works undertaken
- Document the audit process undertaken
- Provide advice and certification in relation to the suitability of the CLID in relation to the ongoing use of the site, including advice regarding the relevant statutory and non- statutory documentation developed to support these activities

The following provides a summary of the interpretations and conclusions drawn during the assessment of the CLID report prepared by the SQP, the Auditor site inspection, and discussions with the SQP:

- The CLID report suitably summarises the assessment activities and is of an adequate coverage and standard to meet the requirements of the guidelines and legislation, in particularly the NEPM (2013), verifying that the notifiable activity associated with the EMR listing and subsequent hazardous contaminants has been removed from the site
- The CLID complies with subsections 389 (2) of the EP Act having regard to the guidance provided within the Queensland Auditor Handbook for Contaminated Land, Module 6: Contaminated land investigation documents, listing and removal of sites guidelines (ESR/2016/2044)
- In particular, the site suitability statements provided in the CLID, and associated forms are sound, and it can be confirmed that the land is suitable for unrestricted land use, including Land use A (residential with garden/accessible soil; childcare centres, preschools, and primary schools with access to soil), and any sensitive uses listed in Schedule 24 of the Planning Regulation 2017
- It can be confirmed that the land is not prescribed contaminated land
- It can be confirmed that the assessment of the land was undertaken in accordance with the contaminated land NEPM

Based on the assessment undertaken at the site, as described in the CLID, and summarised in this contaminated land audit report, the Auditor considers that the site is suitable for unrestricted land use and removal from the EMR.

13.4 Recommendations by Auditor

Based on the Auditor's assessment of the work completed and a review of the CLID report, the following recommendations are made:

- The land described as Lot 123 RP46047, 124 RP46047, and 125 RP46047 is not contaminated land and is suitable for any use, on the basis that:
 - The land is not being used for a notifiable activity
 - The land is not affected by a hazardous contaminant
 - The land is not prescribed contaminated land
- The condition of the land is consistent with all the criteria under the policy criteria for removing land from the EMR as set out in ESR/2016/2044 Version 2 '*Guideline: Listing and Removing Land from the Land Registers*'
- Therefore, it is recommended to remove the land described as Lot 123 RP46047, 124 RP46047, and 125 RP46047 from the EMR.

The relevant and endorsed Site Suitability Statements prepared by the SQP has been included in Appendix M of the CLID.

14 REFERENCES

- Coffey (2013a) Department of Veteran Affairs Phase 1 Contaminated Land Assessment, 114 Newdegate Street, Greenslopes Queensland, 24 September 2013
- Coffey (2013b) Department of Veteran Affairs Phase 2 Contaminated Land Assessment, 114 Newdegate Street, Greenslopes Queensland, 4 November 2013
- Coffey (2019) Department of Veteran Affairs Delineation of Organochlorine Soil Impacts, 114 Newdegate Street, Greenslopes Queensland, 3 December 2019
- Coffey (2021a) 114 Newdegate Street Greenslopes Remediation Planning, Sampling, Analysis and Quality Plan, 19 July 2021
- Coffey (2021b) Asbestos and Hazardous Materials Pre-Demolition Assessment, 114 Newdegate Street, Greenslopes QLD 4120, 9 April 2021
- Tetra Tech Coffey (2022) 114 Newdegate Street Greenslopes Remediation Planning, Supplementary Investigation, 11 May 2022.
- Tetra Tech Coffey (2022b) Asbestos Paint Assessment, 114 Newdegate Street, Greenslopes QLD, 27 April 2022
- Tetra Tech Coffey (2023) 114 Newdegate Street, Greenslopes QLD Remediation Action Plan, 23 August 2023
- Tetra Tech Coffey (2024) Validation Report 51, 53 and 55 Headfort Street, Greenslopes Queensland, Rev G. Document reference 784-BNEEN282781 Validation Report, 6 September 2024

15 ACRONYMS

ACM	asbestos containing material
AF	Asbestos fines
AOI	areas of interest
APEC	areas of potential environmental concern
ARCC	Australian Red Cross Centre
ARMP	Asbestos removal management plan
BCC	Brisbane city council
BoM	Bureau of Meteorology
BYDA	Before you dig Australia
BTEXN	benzene, toluene, ethylbenzene, xylene, naphthalene
CEC	Cation exchange capacity
CLA	contaminated land auditor
CLID	contaminated land investigation document
Client	The Client refers to "Department of Veteran Affairs"
CLR	contaminated land register
COC	chain of custody
CoPC	contaminants of potential concern
CSM	conceptual site model
C6–C10	Light petroleum hydrocarbon chain fraction (for example, petrol)
C10–C16	Medium petroleum hydrocarbon chain fraction (for example, jet fuel, kerosene, diesel)
C16–C34	Heavy petroleum hydrocarbon chain fraction (for example, diesel, motor oils)
C34–C40	Heavy petroleum hydrocarbon chain fraction (for example, lube oils, fuel oils, waxes)
DAWE	Department of Agriculture, Water and the Environment
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
DES	(Qld) Department of Environment and Science (former)
DESI	(Qld) Department of Environment, Science and Innovation
DQI	data quality indicator
DQO	data quality objective
EIL	ecological investigation level
EMR	environmental management register
EP Act	(Qld) <i>Environmental Protection Act 1994</i>
EPA	New South Wales Environment Protection Authority
Epic	Epic Environmental Pty Ltd
EPS	Enviropacific Services
ERA	Environmentally relevant activities
ESA	Environmentally sensitive areas
ESL	ecological screening level
EV	environmental value
FA	Fibrous asbestos
HIL	health investigation level
HSL	(human) health screening level
IL	investigation Level

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LAA	Licenced asbestos assessor
LOR	(laboratory) level of reporting
mAHD	metres Australian Height Datum
mbgl	metres below ground level
mbgs	metres below ground surface
NA	not applicable
NATA	National Association of Testing Authorities
NC	Neighbourhood centre
NEPC	National Environment Protection Council
NEPM	National Environmental Protection (Assessment of Site Contamination) Amendment Measure
NFB	the Neranleigh-Fernvale Beds
NHMRC	National Health and Medical Research Council
NRMMC	National Resource Management Ministerial Council
OCP	organochlorine pesticides
OPP	organophosphorous pesticides
PAH	Polycyclic aromatic hydrocarbons
PSI	Preliminary site investigations
PVC	Polyvinyl chloride
QA	quality assurance
QC	quality control
RAP	Remediation action plan
RP	Registered plan
SAR	Site audit report
SAQP	sampling, analysis, and quality plan
SQP	suitability qualified person
SSS	site suitability statement
SWL	standing water level
TPH	total petroleum hydrocarbons
TRH	total recoverable hydrocarbons
TTC	Tetra Tech Coffey
VR	Validation report

16 REFERENCES

- ANZECC/ARMCANZ (2000) Australian and New Zealand Guidelines for Fresh and Marine Water Quality. Australian and New Zealand Environment and Conservation Council and Agriculture and Resource Management Council of Australia and New Zealand, Paper No 4, Canberra
- Australian Standard AS 4482.1-2005, Guide to the Sampling and Investigation of Potentially Contaminated Soil – Part 1: Non-volatile and semi-volatile compounds (Standards Australia, 2005)
- Australian Standard AS 4482.2-1999, Guide to the Sampling and Investigation of Potentially Contaminated Soil – Part 2: Volatile substances (Standards Australia, 1999)
- Department of Environment and Heritage Protection (DEHP) (2013) Queensland Water Quality Guideline 2009. Version 3 dated July 2013
- Department of Environment and Science (DES) (2015) Guidelines – Listing and removing land on the land registers, Department of Environment and Science. ESR/2016/2044. Version 1.02 dated September 2015
- DES (2015) Guideline, Listing and removing land on the last registers. ESR/2016/2044, Version 1.02 dated September 2015
- DES (2023) Guideline – Assessing a suitably qualified person. Department of Environment and Science. ESR/2016/1938. Version 3.02 dated January 2023
- DES (2023) Guideline – The duty to notify for contaminated land. ESR/2016/2271. Version 4.00 dated April 2023
- DES (2023) “Queensland Auditor Handbook for Contaminated Land, Module 6: Content requirements for contaminated land investigation documents, certifications, and audit reports”. ESR/2018/4224, Version 2.03, effective 18 May 2023
- DES (2019-2023) Queensland Auditor Handbook for Contaminated Land Modules 2-6
- Department of Natural Resources and Mines (DNRM), Queensland Globe mapping tool
- Department of Veterans’ Affairs (DVA, 2024) Greenslopes Remediation <https://www.dva.gov.au/about/overview/consultations-and-grants/invitation-public-comment>
- Environmental Protection Act 1994 (Queensland). 12 August 2024.
- NEPC (2013) National Environment Protection (Assessment of Site Contamination) Amendment Measure 2013 (No. 1), Schedule A and Schedules B(1) – B(9)
- NSW Environmental Protection Authority (EPA) Contaminated Land Guidelines “Sampling design part 1 – application” and “Sampling design part 2 – interpretation” (collectively the “Sampling Design Guidelines”). New South Wales, Australia

17 LIMITATIONS AND DISCLAIMER

Epic Environmental Pty Ltd (Epic) has prepared the following report for the exclusive benefit of Department of Veteran Affairs (Client) and for the singular purpose of [Purpose] at 51, 53 and 55 Headfort Street, Greenslopes Queensland. All interpretations, finding or recommendations outlined in this report should be read and relied upon only in the context of the report as a whole.

The following report cannot be relied upon for any other purpose, at any other location or for the benefit of any other person, without the prior written consent of Epic. Except with Epic's prior written consent, this report may not be:

- a. released to any other person, whether in whole or in part
- b. used or relied upon by any other party
- c. filed with any Governmental agency or other person or quoted or referred to in any public document

This report has been prepared based on information provided by the Client and other parties. In preparing this report Epic:

- a. presumed the accuracy of the information provided by the Client (including its representatives)
- b. has not undertaken any verification to the accuracy or reliability included in this information (with the exception where such verification formed part of the scope of works)
- c. has not undertaken any independent investigations or enquiries outside the scope of works with respect to information provided for this report
- d. provides no warranty or guarantee, expressed or implied, as to the accuracy or reliability of the information provided in this report

In recognition of the limited use of this report, the Client agrees that, to the maximum extent permitted by law, Epic (including its representatives and related entities) is not liable for any losses, claims, costs, expenses, damages (whether pursuant to statute, in contract or tort, for negligence or otherwise) suffered or incurred by the Client or any third party as a result of the information, findings, opinions, estimates, recommendations and conclusions provided in this report.

Without limiting the above, Epic (including its representatives and related entities) is not liable, in any way whatsoever:

- a. for the use or reliance of this report for any purpose other than that for which it has been prepared
- b. for any use or reliance upon this report by any person other than the Client
- c. where another person has a different interpretation of the same information contained in the report
- d. for any consequential or indirect losses, or for loss of profit or goodwill or any loss or corruption of any data, database or software

If a section of this disclaimer is determined by any court or other competent authority to be unlawful and/or unenforceable, the other sections of this disclaimer continue in effect. Where further information becomes available, or additional assumptions need to be made, Epic reserves its right to amend this report, but is not obliged to do so.

APPENDIX A DESI CERTIFICATE OF APPROVAL - AUDITOR



Certificate

Environmental Protection Act 1994
Certificate of Approval - Auditor
Approval No: CLAD010002576

This certificate of approval as an auditor is issued by the chief executive¹ pursuant to section 573 (2)(a) of the Environmental Protection Act 1994 (EP Act).

1. Approved person

Dr Louise Cartwright

2. Approved auditor functions

The approved person is approved to perform auditor's functions under s.568(b) of the *Environmental Protection Act 1994*.

3. Term of approval

This approval will remain in force until 5 March 2027 unless it is cancelled or suspended.

4. Conditions of approval

The approved person must:

- continue to hold professional indemnity insurance for at least \$5 million of cover
- comply with the most recent version of the Queensland Auditor Handbook for Contaminated Land, Module 4: Code of Professional Conduct
- have and maintain an expert support team whose support and advice can be obtained when the auditor is not an expert in any of the competencies and proficiencies listed in Schedule B9 of the *National Environment Protection (Assessment of Site Contamination) Measure 1999*, amended 2013.



Signature

Chris Loveday

Director, Technical and Assessment Services
Department of Environment, Science & Innovation
Delegate of the chief executive
Environmental Protection Act 1994

1 March 2024

Date

Enquiries:

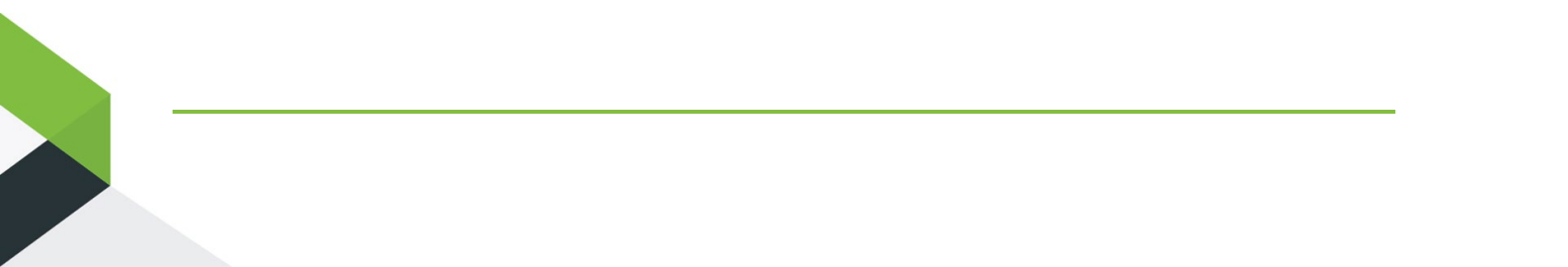
Marni Burkhardt

Phone: (07) 3330 5574

Email: technicalsupport@des.qld.gov.au

¹ The Director-General of the Department of Environment, Science and Innovation is the chief executive under the EP Act.

APPENDIX B DESI CLID APPROVED FORM



Form

Environmental Protection Act 1994

Contaminated land investigation document—approved form

This is the approved form for a contaminated land investigation document (CLID) under ss. 389(2) and 389(3) of the EP Act. This form is also used for submitting a CLID to the department under s. 390 of the Environmental Protection Act 1994 (EP Act). A copy of the CLID and all supporting reports and/or documents must be given to the department with this form—see the Submission checklist at the end of this form for the minimum requirements. The content requirements of the CLID are stipulated in s. 389 of the EP Act. Also, to be in the approved form the CLID must be prepared in accordance with Module 6 of the Queensland Auditor Handbook for Contaminated Land and the National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013). Parts A, B, and C and Appendices 1 and 2 of this form must be completed by the relevant person (see s. 390(3) of the EP Act) and the responsible suitably qualified person (SQP). (Note: The responsible SQP can also be the relevant person who submits the CLID.) Part D of this form must be completed by the contaminated land auditor. The auditor's certification will be in the approved form required by s. 389(4) of the EP Act if Part D is completed and an audit report that has been prepared in accordance with Modules 4, 5, and 6 of the Queensland auditor handbook is included with the submission. The relevant person must ensure that the form is fully completed and all required components of the submission are lodged in one complete application.

OFFICIAL USE ONLY	PART A—DETAILS OF THE CONTAMINATED LAND INVESTIGATION DOCUMENT (CLID) AND THE RELEVANT LAND
DATE RECEIVED	
FILE REF	Table A1 Details of CLID(s)
PROJECT REF	Title of CLID:
COMPLETE FORM <input type="checkbox"/>	Type: <input type="checkbox"/> Site investigation report (SIR) <input type="checkbox"/> Validation report (VR) <input type="checkbox"/> Draft site management plan (SMP)*
ADMINISTERING DISTRICT	Version no.: Ref no. Dated:
ENTERED BY [SIGNATURE]	*If draft SMP, enter details of supporting SIR or VR: Title:
DATE	Version no.: Ref no. Dated:
	<p>* Note: If submitting a draft site management plan (SMP), you must provide a copy of the current site investigation report (SIR) or validation report (VR) that relates to the draft SMP. You must also complete the parts of this form that relate to the SIR or VR as well as the parts that relate to the draft SMP.</p>



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<p>Tick the reason the CLID has been submitted, and enter any necessary details. If the reason is 'Other', describe the reason in the righthand column.</p>	<p>Table A2 Reason for submitting CLID</p> <table border="1"> <tr> <td>Required by notice issued by the department</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Voluntary submission</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Other</td> <td><input type="checkbox"/></td> </tr> </table>	Required by notice issued by the department	<input type="checkbox"/>	Voluntary submission	<input type="checkbox"/>	Other	<input type="checkbox"/>						
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Voluntary submission	<input type="checkbox"/>												
Other	<input type="checkbox"/>												
<p>See Appendix 3 for conventions and formats for submitting electronic copies.</p>	<p>Is a hard copy or electronic copy of the report or plan provided?</p> <p>Hard copy <input type="checkbox"/> Electronic copy <input type="checkbox"/></p>												
<p>If the site has more than four lots, attach a list of all the lots that comprise the site.</p>	<p>Table A3 Site details</p> <table border="1"> <tr> <td colspan="2">Full street address of the site:</td> </tr> <tr> <td>Lot number(s):</td> <td>Plan reference(s):</td> </tr> <tr> <td colspan="2">Local government area:</td> </tr> <tr> <td colspan="2">Registered owner:</td> </tr> <tr> <td colspan="2">Registered owner's address:</td> </tr> <tr> <td colspan="2">Registered owner's email address:</td> </tr> </table>	Full street address of the site:		Lot number(s):	Plan reference(s):	Local government area:		Registered owner:		Registered owner's address:		Registered owner's email address:	
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Lot number(s):	Plan reference(s):												
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<p>Provide details of the current and proposed listing on the EMR or CLR. If the site has more than one lot, attach a list of this information for all the lots that comprise the site.</p> <p>Changes may include additional notifiable activities that are not recorded on the EMR listing and/or details of hazardous contaminants, referencing pages in the CLID that provide concentrations.</p>	<p>Table A4 Listing on the relevant land register</p> <table border="1"> <tr> <td>Which register is the land listed on? EMR <input type="checkbox"/> CLR <input type="checkbox"/></td> </tr> <tr> <td>EMR/CLR reference no.:</td> </tr> <tr> <td>Do you propose the land should be removed from the relevant land register? Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>What changes do you propose to the listing on the EMR or CLR?</td> </tr> </table>	Which register is the land listed on? EMR <input type="checkbox"/> CLR <input type="checkbox"/>	EMR/CLR reference no.:	Do you propose the land should be removed from the relevant land register? Yes <input type="checkbox"/> No <input type="checkbox"/>	What changes do you propose to the listing on the EMR or CLR?								
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<p>Sections 390(3) and 390(4) of the <i>Environmental Protection Act 1994</i> (EP Act) define who is the <i>relevant person</i>. The relevant person is the person who gives the CLID to the administering authority. In this sense, 'gives' does not simply mean delivers. Rather, the relevant person causes the CLID to be given to the department. The relevant person may be the SQP responsible for the CLID. The <i>relevant person</i> must also complete the Declaration in Part C of this form.</p>	<p>Table A5 Relevant person submitting the CLID</p> <table border="1"> <tr> <td>Name:</td> <td>Title:</td> </tr> <tr> <td colspan="2">Company/Organisation:</td> </tr> <tr> <td colspan="2">Position:</td> </tr> <tr> <td colspan="2">Registered address:</td> </tr> <tr> <td colspan="2">Postal address:</td> </tr> <tr> <td>Telephone:</td> <td>Mobile:</td> </tr> <tr> <td colspan="2">Email (business):</td> </tr> </table>	Name:	Title:	Company/Organisation:		Position:		Registered address:		Postal address:		Telephone:	Mobile:	Email (business):	
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Postal address:															
Telephone:	Mobile:														
Email (business):															
<p>Enter the details of the SQP responsible for the CLID. Enter 'As above' if the SQP is also the <i>relevant person</i>.</p> <p>The SQP responsible for the CLID must provide evidence in Appendix 1 that they meet the statutory requirements and also sign the declaration in Part C.</p>	<p>Table A6 Suitably Qualified Person (SQP) responsible for the CLID</p> <table border="1"> <tr> <td>Name:</td> <td>Title:</td> </tr> <tr> <td colspan="2">Company/Organisation:</td> </tr> <tr> <td colspan="2">Position:</td> </tr> <tr> <td colspan="2">Registered address:</td> </tr> <tr> <td colspan="2">Postal address:</td> </tr> <tr> <td>Telephone:</td> <td>Mobile:</td> </tr> <tr> <td colspan="2">Email (business):</td> </tr> </table>	Name:	Title:	Company/Organisation:		Position:		Registered address:		Postal address:		Telephone:	Mobile:	Email (business):	
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<p>Any additional SQP(s) who conducted professional technical services for the responsible SQP must complete a <i>Professional Support Team – Suitably qualified person declaration form</i> (ESR/2015/1856) and include it with the CLID submission.</p>	<p><input type="checkbox"/> No professional technical support</p> <p>OR</p> <p>Table A7 Support professional(s)</p> <table border="1"> <thead> <tr> <th>Name of support</th> <th>Technical advice provided</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Name of support	Technical advice provided												
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PART B—CONTENT OF THE CLID

This part of the approved form demonstrates that the CLID meets the content requirements to be in the approved form. Except for Tables B5 and B7, a CLID may be either a site investigation report or a validation report. Table B5 applies to all types of CLIDs, while Table B7 specifically refers to a draft site management plan.

The content requirements are set by s. 389 of the EP Act and the NEPM.

The NEPM referenced in this form is the *National Environment Protection (Assessment of Site Contamination) Measure 1999 (as amended 2013)*.

The CLID must provide details of the site's history in accordance with section 3.3 of the NEPM Schedule B2. Indicate in Table B1 whether the CLID addressed the various requirements in the 'Adequate in the CLID?' column. If any item is ticked 'No', provide comment below at the end of Part B.

Note that reports included in an appendix of the CLID are part of the CLID. Therefore, there is no need to duplicate information in the CLID text that is provided in an appendix of the CLID.

Table B1 Site history—indicate in the table below whether the CLID adequately addresses matters discussed in each of the listed NEPM sections about the site history

Site History	NEPM Sch B2	Adequate in the CLID?
Site plans	3.3.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
Historical maps	3.3.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
Aerial photographs	3.3.1	Yes <input type="checkbox"/> No <input type="checkbox"/>
Land use zoning	3.3.2	Yes <input type="checkbox"/> No <input type="checkbox"/>
Present owners, occupiers and current users of the site	3.3.3	Yes <input type="checkbox"/> No <input type="checkbox"/>
Previous owners and occupiers of the site	3.3.4	Yes <input type="checkbox"/> No <input type="checkbox"/>
Previous activities/uses	3.3.5	Yes <input type="checkbox"/> No <input type="checkbox"/>
Services to the property	3.3.6	Yes <input type="checkbox"/> No <input type="checkbox"/>
Previous and present buildings and structures	3.3.7	Yes <input type="checkbox"/> No <input type="checkbox"/>
Industrial processes carried out on site and products manufactured	3.3.8	Yes <input type="checkbox"/> No <input type="checkbox"/>
Chemical storage/transfer areas	3.3.9	Yes <input type="checkbox"/> No <input type="checkbox"/>
Raw materials used	3.3.10	Yes <input type="checkbox"/> No <input type="checkbox"/>
Intermediate products	3.3.11	Yes <input type="checkbox"/> No <input type="checkbox"/>
Spills, losses, incidents and accidents	3.3.12	Yes <input type="checkbox"/> No <input type="checkbox"/>
Discharges to land and water	3.3.13	Yes <input type="checkbox"/> No <input type="checkbox"/>
Wastes produced	3.3.14	Yes <input type="checkbox"/> No <input type="checkbox"/>
Power generation	3.3.15	Yes <input type="checkbox"/> No <input type="checkbox"/>
Waste disposal locations	3.3.16	Yes <input type="checkbox"/> No <input type="checkbox"/>
Imported fill	3.3.16	Yes <input type="checkbox"/> No <input type="checkbox"/>
Earthmoving activities	3.3.17	Yes <input type="checkbox"/> No <input type="checkbox"/>
Interview information	3.3.18	Yes <input type="checkbox"/> No <input type="checkbox"/>
Sources of information	3.3.19	Yes <input type="checkbox"/> No <input type="checkbox"/>

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Confirm that the CLID addresses NEPM Schedule B2 (section 3.4).	Does the CLID describe the environmental setting? Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Confirm that the CLID addresses NEPM Schedule B2 (section 3.5).	Does the CLID describe local geology and hydrogeology? Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Confirm that the CLID addresses acid sulfate soils as per section 3.4 of the NEPM Schedule B2.	Does the site have acid sulfate soils? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, does the CLID address acid sulfate soils? Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Confirm that the CLID addresses environmental values of quality objectives for surface waters, wetlands and groundwater developed in accordance with the <i>Environmental Protection (Water and Wetland Biodiversity) Policy 2019</i> and s. 9 of the EP Act.	Does the CLID correctly identify and describe all relevant environmental values including prescribed environmental values and environmental objectives for surface waters, wetlands and groundwaters? Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Confirm that the CLID addresses section 3.6 of the NEPM Schedule B2.	Were site inspection(s) undertaken in accordance with the NEPM Schedule B2? Yes <input type="checkbox"/> No <input type="checkbox"/> Does the CLID describe those site inspection(s)? Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Confirm that the CLID addresses section 4 of the NEPM Schedule B2.	<p>Table B2 Conceptual site model (CSM)—indicate in the table below whether the listed aspects of the CSM are addressed in the CLID</p> <table border="1"> <thead> <tr> <th>Conceptual site model</th> <th>NEPM Sch B2</th> <th>Provided in the CLID?</th> </tr> </thead> <tbody> <tr> <td>The CSM was prepared and presented in written format, and illustrated with suitable graphics and flow diagrams.</td> <td>4.1</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>The complexity of the CSM corresponded to the scale and complexity of the known or potential contamination impacts.</td> <td>4.1</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>The CSM was iteratively developed throughout the assessment process.</td> <td>4.2</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>The CSM considered all essential elements.</td> <td>4.3</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> <tr> <td>The CSM identified and assessed all data gaps and uncertainties.</td> <td>4.4</td> <td>Yes <input type="checkbox"/> No <input type="checkbox"/></td> </tr> </tbody> </table>	Conceptual site model	NEPM Sch B2	Provided in the CLID?	The CSM was prepared and presented in written format, and illustrated with suitable graphics and flow diagrams.	4.1	Yes <input type="checkbox"/> No <input type="checkbox"/>	The complexity of the CSM corresponded to the scale and complexity of the known or potential contamination impacts.	4.1	Yes <input type="checkbox"/> No <input type="checkbox"/>	The CSM was iteratively developed throughout the assessment process.	4.2	Yes <input type="checkbox"/> No <input type="checkbox"/>	The CSM considered all essential elements.	4.3	Yes <input type="checkbox"/> No <input type="checkbox"/>	The CSM identified and assessed all data gaps and uncertainties.	4.4	Yes <input type="checkbox"/> No <input type="checkbox"/>
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<p>Confirm that the CLID addresses referenced sections of the NEPM Schedules B1, B2, B3 and B6.</p> <p>For the CLID to be in the approved form, the sampling program must have collected sufficient data to establish the nature and vertical and lateral extent of contamination in all relevant media. Where mobility of a contaminant is an issue, properties such as contaminant leachability and groundwater and soil vapour flow direction must be assessed.</p> <p>For contaminants outside the scope of the NEPM, the general principles of site assessment in the NEPM should be followed supplemented by relevant State and National guidance.</p> <p>In determining the likelihood of environmental harm being caused, assessment must incorporate identification of all relevant environmental values and associated prescribed environmental objectives for the contaminants.</p> <p>Table B3 continues on next page</p>	Table B3 Data collection and analysis—indicate in the table below whether the listed aspects are addressed in the CLID		
	Data collection	NEPM	Provided in the CLID?
	Data quality objectives (DQOs) process has been followed and systematically developed and aligned with the objectives of the site assessment.	Sch B2 s5.2 & 18	Yes <input type="checkbox"/> No <input type="checkbox"/>
	A well-developed sampling and analysis quality plan was implemented.	Sch B2 s5.3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	Quality control checks and procedures were sufficient, and in adequate quantities, to measure the effects of all influences on sample integrity, accuracy and precision.	Sch B2 s5.4, s19 Sch B3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	All potential contaminants of concern were adequately sampled and assessed in accordance with recognised guidelines, in locations indicated via site history and for all relevant media.	Sch B2 s5.5 Sch B3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	The completeness, validity and usability of data was adequately assessed.	Sch B2 s5.6, s19 Sch B3	Yes <input type="checkbox"/> No <input type="checkbox"/>
	The sampling design and execution was appropriate for collecting sufficient and accurate quality assured data from all relevant media.	Sch B2 s6 to s9 & s19 Sch B3 Sch B6	Yes <input type="checkbox"/> No <input type="checkbox"/>
	Assessment criteria were appropriate to determine the human health and ecological risks of the contamination and protection of any relevant groundwater resources.	Sch B1 Sch B6	Yes <input type="checkbox"/> No <input type="checkbox"/>
Assessment criteria included environmental objectives for environmental values as prescribed under the EP Act and subordinate legislation for the locality.	EP Act and other legislation	Yes <input type="checkbox"/> No <input type="checkbox"/>	

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Table B3 continued	<p>Table B3 (continued)</p> <table border="1"> <thead> <tr> <th data-bbox="547 369 1023 461">Data collection</th><th data-bbox="1023 369 1174 461">NEPM Sch B2</th><th data-bbox="1174 369 1406 461">Provided in the CLID?</th></tr> </thead> <tbody> <tr> <td data-bbox="547 461 1023 707">The nature, and vertical and lateral extent of contamination has been established in all relevant media including off-site delineation if indicated by contaminant concentrations at the relevant land boundaries.</td><td data-bbox="1023 461 1174 707">Sch B2 s6 to s11 Sch B6</td><td data-bbox="1174 461 1406 707">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 707 1023 904">Adequate Data Quality Indicators (DQIs) were established and an adequate assessment was carried out?</td><td data-bbox="1023 707 1174 904">Sch B2 s13.1, s14, s19 Sch B3</td><td data-bbox="1174 707 1406 904">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 904 1023 1014">Statistical analysis (if applicable)</td><td data-bbox="1023 904 1174 1014">Sch B2 s13.2</td><td data-bbox="1174 904 1406 1014">Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/></td></tr> </tbody> </table>	Data collection	NEPM Sch B2	Provided in the CLID?	The nature, and vertical and lateral extent of contamination has been established in all relevant media including off-site delineation if indicated by contaminant concentrations at the relevant land boundaries.	Sch B2 s6 to s11 Sch B6	Yes <input type="checkbox"/> No <input type="checkbox"/>	Adequate Data Quality Indicators (DQIs) were established and an adequate assessment was carried out?	Sch B2 s13.1, s14, s19 Sch B3	Yes <input type="checkbox"/> No <input type="checkbox"/>	Statistical analysis (if applicable)	Sch B2 s13.2	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>															
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	<p>If contaminant fate and transport modelling was undertaken, has it conformed with section 10 of the NEPM Schedule B2?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable <input type="checkbox"/></p>																											
Confirm that the CLID addresses section 14 of the NEPM Schedule B2.	<p>Table B4 Report presentation—indicate in the table below whether the CLID addresses the report presentation requirements of section 14 of the NEPM Schedule B2</p> <table border="1"> <thead> <tr> <th data-bbox="547 1346 1023 1438">Report presentation</th><th data-bbox="1023 1346 1174 1438">NEPM Sch B2</th><th data-bbox="1174 1346 1406 1438">Addressed in the CLID?</th></tr> </thead> <tbody> <tr> <td data-bbox="547 1438 1023 1496">Report presentation</td><td data-bbox="1023 1438 1174 1496">14.2</td><td data-bbox="1174 1438 1406 1496">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1496 1023 1552">Graphics presentation</td><td data-bbox="1023 1496 1174 1552">14.3</td><td data-bbox="1174 1496 1406 1552">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1552 1023 1608">Site plans</td><td data-bbox="1023 1552 1174 1608">14.4</td><td data-bbox="1174 1552 1406 1608">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1608 1023 1664">Contamination data</td><td data-bbox="1023 1608 1174 1664">14.5</td><td data-bbox="1174 1608 1406 1664">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1664 1023 1742">Tabulated laboratory analytical results</td><td data-bbox="1023 1664 1174 1742">14.6</td><td data-bbox="1174 1664 1406 1742">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1742 1023 1798">Bore logs and field records</td><td data-bbox="1023 1742 1174 1798">14.7</td><td data-bbox="1174 1742 1406 1798">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1798 1023 1854">Photography</td><td data-bbox="1023 1798 1174 1854">14.8</td><td data-bbox="1174 1798 1406 1854">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> <tr> <td data-bbox="547 1854 1023 1910">QA/QC documentation included</td><td data-bbox="1023 1854 1174 1910">14.9</td><td data-bbox="1174 1854 1406 1910">Yes <input type="checkbox"/> No <input type="checkbox"/></td></tr> </tbody> </table>	Report presentation	NEPM Sch B2	Addressed in the CLID?	Report presentation	14.2	Yes <input type="checkbox"/> No <input type="checkbox"/>	Graphics presentation	14.3	Yes <input type="checkbox"/> No <input type="checkbox"/>	Site plans	14.4	Yes <input type="checkbox"/> No <input type="checkbox"/>	Contamination data	14.5	Yes <input type="checkbox"/> No <input type="checkbox"/>	Tabulated laboratory analytical results	14.6	Yes <input type="checkbox"/> No <input type="checkbox"/>	Bore logs and field records	14.7	Yes <input type="checkbox"/> No <input type="checkbox"/>	Photography	14.8	Yes <input type="checkbox"/> No <input type="checkbox"/>	QA/QC documentation included	14.9	Yes <input type="checkbox"/> No <input type="checkbox"/>
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<p>Confirm that the CLID addresses section 15 of the NEPM Schedule B2.</p>	<p>Has the environment been protected during all site assessment and excavation works and has it been documented in accordance with section 15 of the NEPM Schedule B2? Yes <input type="checkbox"/> No <input type="checkbox"/></p>										
<p>s.389 of the EP Act requires every CLID to include a site suitability statement— use a separate <i>Site suitability statement</i> template (ESR/2015/1857) for each lot.</p> <p>For ease of reference, <i>Site suitability statement</i> templates for each lot should be placed in an appendix of a CLID.</p> <p>Select in the adjacent box whether the site suitability statement proposes Outcome 1, 2, 3, or 4, and confirm where the CLID includes the statement(s).</p> <p>If a project site comprises multiple parcels of land, it is essential that every separate parcel of land has its own individual site suitability statement.</p> <p>Part B continues on next page</p>	<p>Table B5 Site suitability statement outcomes for land parcels</p> <table border="1"> <thead> <tr> <th data-bbox="545 528 967 611">Lot on plan of land parcel</th> <th data-bbox="967 528 1445 611">Outcome for site suitability statement</th> </tr> </thead> <tbody> <tr> <td data-bbox="545 611 967 663"></td> <td data-bbox="967 611 1445 663"></td> </tr> <tr> <td data-bbox="545 663 967 714"></td> <td data-bbox="967 663 1445 714"></td> </tr> <tr> <td data-bbox="545 714 967 766"></td> <td data-bbox="967 714 1445 766"></td> </tr> <tr> <td data-bbox="545 766 967 817"></td> <td data-bbox="967 766 1445 817"></td> </tr> </tbody> </table> <p>Note: If more than four land parcels, attach a list of lots and outcomes:</p> <p><input type="checkbox"/> List of more than four parcels attached</p> <p>Where in the CLID is/are the site suitability statement(s)?</p>	Lot on plan of land parcel	Outcome for site suitability statement								
Lot on plan of land parcel	Outcome for site suitability statement										

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<p>Section 389(2) of the EP Act requires a site investigation report or validation report to include the content summarised in the adjacent table. In the event that any of these statutory requirements are not applicable, the CLID must still address the matter. For example, include a statement in the CLID that waste was not stored, or earthworks were not carried out. Module 6 provides information on how to meet these statutory requirements.</p> <p>Subsections ss. 389(2)(iii)(A) to (E) require a description of the following in the surrounding area:</p> <ul style="list-style-type: none"> all environmentally sensitive areas the location of all water, watercourses and wetlands the location of all stormwater drainage all uses of the land, including uses that may affect the safety of the relevant land or cause environmental harm all activities carried out that may affect the safety of the relevant land or cause environmental harm <p>For waste disposed of or stored on the land that contains, or may potentially contain, hazardous contaminants, subsections ss. 389(2)(iii)(A) and (B) require:</p> <ul style="list-style-type: none"> details of the location, volume and type of waste details of any potential contamination of the land caused by disposing of or storing the waste on the land. 	<p>For a site investigation report or validation report</p> <p>Table B6 Confirm the CLID provides the following content required by s. 389(2) of the EP Act</p> <table border="1"> <thead> <tr> <th>Summary of statutory requirements for a site investigation report or validation report</th> <th>s. 389 subject</th> <th>Provided in the CLID?</th> </tr> </thead> <tbody> <tr> <td>Reasons the land's particulars are recorded in a relevant land register.</td> <td>(2)(a)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Description of all surface and subsurface infrastructure on the land.</td> <td>(2)(a)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Description of the surrounding area, including each of the matters required by subsections ss. 389(2)(iii)(A) to (E).</td> <td>(2)(a)(iii)(A) to (E)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Details of waste disposed of or stored on the land, including each of the matters required by subsections ss. 389(2)(iv)(A) and (B).</td> <td>(2)(a)(iv)(A) & (B)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Description of the geology and hydrogeology of the land.</td> <td>(2)(a)(v)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Details of any environmentally relevant activities or notifiable activities carried out on the land, including materials used and waste produced during the activities.</td> <td>(2)(a)(vi)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Details of any earthworks carried out on the land, including the materials used and waste produced during the earthworks.</td> <td>(2)(a)(vii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Contamination levels before and after any remediation work on the land.</td> <td>(2)(a)(viii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A statement of whether the land is prescribed contaminated land.</td> <td>(2)(c)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>If the land is contaminated, a statement of the extent to which the land is contaminated.</td> <td>(2)(c)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> </tbody> </table>	Summary of statutory requirements for a site investigation report or validation report	s. 389 subject	Provided in the CLID?	Reasons the land's particulars are recorded in a relevant land register.	(2)(a)(i)	Yes <input type="checkbox"/>	Description of all surface and subsurface infrastructure on the land.	(2)(a)(ii)	Yes <input type="checkbox"/>	Description of the surrounding area, including each of the matters required by subsections ss. 389(2)(iii)(A) to (E).	(2)(a)(iii)(A) to (E)	Yes <input type="checkbox"/>	Details of waste disposed of or stored on the land, including each of the matters required by subsections ss. 389(2)(iv)(A) and (B).	(2)(a)(iv)(A) & (B)	Yes <input type="checkbox"/>	Description of the geology and hydrogeology of the land.	(2)(a)(v)	Yes <input type="checkbox"/>	Details of any environmentally relevant activities or notifiable activities carried out on the land, including materials used and waste produced during the activities.	(2)(a)(vi)	Yes <input type="checkbox"/>	Details of any earthworks carried out on the land, including the materials used and waste produced during the earthworks.	(2)(a)(vii)	Yes <input type="checkbox"/>	Contamination levels before and after any remediation work on the land.	(2)(a)(viii)	Yes <input type="checkbox"/>	A statement of whether the land is prescribed contaminated land.	(2)(c)(i)	Yes <input type="checkbox"/>	If the land is contaminated, a statement of the extent to which the land is contaminated.	(2)(c)(ii)	Yes <input type="checkbox"/>
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<p>Section 389(3) of the EP Act requires a draft SMP to include the content listed in Table B7. If the CLID is not a draft SMP, tick the box above the adjacent table and move on the last row of Part B. Otherwise, complete this page.</p> <p>* Use a <i>Site suitability statement</i> template (ESR/2015/1857) for each lot and place them in a CLID appendix.</p> <p>Each lot's draft SMP should include relevant text from its <i>Site suitability statement</i> that clearly communicates the permitted use of the land.</p> <p>A site subject to a SMP is <i>prescribed contaminated land</i> since contamination is present that may cause environmental harm if not adequately managed.</p> <p>The CLID must clearly illustrate the extent to which the land is contaminated, both in area and depth, and extent of any water contamination.</p> <p>A SMP is not appropriate if the contamination is not adequately understood, or the methods and control measures stated in the SMP are insufficient to prevent the site contributing to off-site contamination that is, or may, cause environmental harm. The definition of <i>land</i> in the EP Act, includes airspace above land, land that is at any time covered by waters, and waters.</p> <p>If the draft SMP is prepared by a person other than the land's owner, s. 390(5) of the EP Act requires the plan to be accompanied by a statement by the land's owner agreeing to the draft plan.</p>	<p>CLID is not a draft site management plan (SMP): <input type="checkbox"/> OR</p> <p>Table B7 Confirm the CLID provides the following content for a draft site management plan required by s. 389(3) of the EP Act</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Summary of statutory requirements for a draft site management plan</th> <th style="text-align: left;">s. 389 subject</th> <th style="text-align: left;">Provided in the CLID?</th> </tr> </thead> <tbody> <tr> <td>The proposed objectives to be achieved and maintained under the plan.</td> <td>(3)(a)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>The proposed methods for achieving and maintaining the objectives.</td> <td>(3)(a)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>The proposed monitoring and reporting compliance measures for the land.</td> <td>(3)(a)(iii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>*Site suitability statement(s)</td> <td>(3)(b)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A statement of whether the land is prescribed contaminated land.</td> <td>(3)(c)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>If the land is contaminated— a statement of the extent to which the land is contaminated.</td> <td>(3)(c)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A statement of whether the proposed objectives, methods and measures stated in the plan are appropriate.</td> <td>(3)(c)(iii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A reference to, and a copy of, the site investigation report or validation report that relates to the draft site management plan.</td> <td>(3)(d)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A description of the source, cause and extent of environmental harm to be managed under the plan.</td> <td>(3)(e)</td> <td>Yes <input type="checkbox"/></td> </tr> </tbody> </table> <p>Was the draft site management plan prepared by a person other than the land's owner? Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p style="margin-left: 100px;">If Yes, is a statement by the land's owner agreeing to the draft plan submitted? Yes <input type="checkbox"/> No <input type="checkbox"/></p>	Summary of statutory requirements for a draft site management plan	s. 389 subject	Provided in the CLID?	The proposed objectives to be achieved and maintained under the plan.	(3)(a)(i)	Yes <input type="checkbox"/>	The proposed methods for achieving and maintaining the objectives.	(3)(a)(ii)	Yes <input type="checkbox"/>	The proposed monitoring and reporting compliance measures for the land.	(3)(a)(iii)	Yes <input type="checkbox"/>	*Site suitability statement(s)	(3)(b)	Yes <input type="checkbox"/>	A statement of whether the land is prescribed contaminated land.	(3)(c)(i)	Yes <input type="checkbox"/>	If the land is contaminated— a statement of the extent to which the land is contaminated.	(3)(c)(ii)	Yes <input type="checkbox"/>	A statement of whether the proposed objectives, methods and measures stated in the plan are appropriate.	(3)(c)(iii)	Yes <input type="checkbox"/>	A reference to, and a copy of, the site investigation report or validation report that relates to the draft site management plan.	(3)(d)	Yes <input type="checkbox"/>	A description of the source, cause and extent of environmental harm to be managed under the plan.	(3)(e)	Yes <input type="checkbox"/>
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<p>If you believe there are reasons for submitting a CLID that does not meet all the content requirements of Part B, provide an explanation here.</p>	<p>If any of the content requirements in Part B are clicked 'No', provide a full explanation of why you think it is acceptable to submit the CLID:</p>
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End of Part B

Contaminated land investigation document

PART C—DECLARATIONS BY THE SUITABLY QUALIFIED PERSON AND THE RELEVANT PERSON

Section 566 of the EP Act requires the suitably qualified person(s) to make this declaration.

NEPM Schedule B9 and DES Guideline - *Assessing a Suitably Qualified Person* should be referred to when determining whether a person is suitably qualified to perform these regulatory functions.

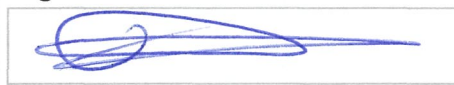
The SQP responsible for the CLID must complete Appendix 1 before signing the declaration.

Any additional SQP(s) who conducted technical professional services in support of the responsible SQP must complete the separate *Professional Support Team – Suitably qualified person declaration* form and submit it as part of the CLID submission.

DECLARATION BY THE SUITABLY QUALIFIED PERSON

I, Jeremy John Wicks, declare that with regard to the submitted contaminated land investigation document:

- I have the qualifications and experience relevant to preparing the submitted contaminated land investigation document. I have provided evidence of my qualifications and experience in Appendix 1 of this form.
- I have not knowingly included false, misleading or incomplete information in the document.
- I have not knowingly failed to reveal any relevant information or document to the administering authority.
- The document addresses the relevant matters for the contaminated land investigation and is factually correct.
- The opinions expressed in the document are honestly and reasonably held.

Signature:

Date:

06/09/2024

Section 390(2) of the EP Act requires the relevant person to make this declaration.

The relevant person must complete Appendix 2 before submitting this form.

DECLARATION BY THE RELEVANT PERSON

I, [REDACTED], declare that:

- I have not knowingly given any false or misleading information to the auditor who certified the document; and
- I have given all relevant information to the auditor; and
 - ☐ I am the land's owner, or
 - ☐ As I am not the land's owner, I have given a copy of the contaminated land investigation document to the land's owner
- I understand that all information supplied on or with this form may be disclosed publicly in accordance with the *Right to Information Act 2009* and the *Evidence Act 1977*.

Signature:

Date:


End of Part C

PART D—AUDITOR'S DETAILS, FUNCTION, CERTIFICATION AND DECLARATION

Part D of this form together with the audit report comprise the approved form for the certification

The auditor must be currently approved in Queensland to prepare an auditor's certification under s. 568(b) of the EP Act when this CLID is submitted, and they must have been approved at any time they undertook work related to that function.

Table D1 Auditor who certified the CLID

Name:	Title:
Auditor approval no.:	
Company/Organisation:	
Registered address:	
Postal address:	
Telephone:	Mobile:
Email (business):	

Provide details of who engaged the auditor to undertake their function.

Who engaged the auditor? ☐ Land's owner ☐ Lessee/occupier
☐ Developer ☐ Other (provide details):

Name of person/company who engaged the auditor:

Date auditor was engaged:

Provide details of the audit report.

Title of audit report: **Date:**

List all members of the auditor's expert support team that contributed to the audit, and indicate what expert advice they provided. Attach a list of additional support experts if necessary.

Each support expert must complete the *Support expert statement* template (ESR/2015/1859) and submit it as part of the CLID submission. Each expert must have the experience and expertise necessary for the advice they provided (Schedule B9 of the NEPM).

☐ **No support expert engaged by the auditor** **OR**

Table D2 Support expert(s) engaged by the auditor

Name of expert	Expert advice provided

☒ Support expert(s) statement(s) included

☐ Support expert(s) report(s) included with the Auditor's certification

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AUDITOR'S CERTIFICATION AND DECLARATION																																						
<p>Section 389(4)(b) of the EP Act requires the auditor to verify their certification. Part D of this form together with the audit report comprise the approved form for the certification.</p> <p>The site investigation report or validation report must comply with all subsections of s. 389(2) of the EP Act and be in the approved form for submission. If any statutory requirements are not applicable, the CLID must still address the matter. If the auditor finds any part(s) of the CLID do not comply, they must return the CLID to the relevant person and the SQP to be amended to comply before the auditor reassesses it.</p> <p>Subsections ss. 389(2)(iii)(A) to (E) require a description of the following in the surrounding area:</p> <ul style="list-style-type: none"> all environmentally sensitive areas the location of all water, watercourses and wetlands the location of all stormwater drainage all uses of the land, including uses that may affect the safety of the relevant land or cause environmental harm all activities carried out that may affect the safety of the relevant land or cause environmental harm <p>Details for s. 389(2)(iv) must include the location, volume and waste type.</p> <p>Details of any environmentally relevant activities or notifiable activities carried out on the land must including materials used and waste produced during the activities.</p>	<p>For a site investigation report or validation report, I verify, and provide evidence in my auditor's report, which has been prepared in accordance with the <i>Queensland Auditor Handbook for Contaminated Land</i>, that I agree with the outcome in the site suitability statement for each lot and that the CLID complies with the statutory requirements of the subsections of s.389(2) of the EP Act listed in Table D3 below.</p> <p>Table D3 Requirements of s. 389(2) of the EP Act</p> <table border="1"> <thead> <tr> <th>Summary of statutory requirements for a site investigation report or validation report</th> <th>s. 389 subject</th> <th>CLID complies with subsections of s. 389(2)</th> </tr> </thead> <tbody> <tr> <td>Reasons the land's particulars are recorded in a relevant land register.</td> <td>(2)(a)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Description of all surface and subsurface infrastructure on the land.</td> <td>(2)(a)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Description of the necessary matters in the surrounding area.</td> <td>(2)(a)(iii) (A) to (E)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Details of waste disposed of or stored on the land, including any potential contamination.</td> <td>(2)(a)(iv) (A) & (B)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Description of the geology and hydrogeology of the land.</td> <td>(2)(a)(v)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Details of any environmentally relevant activities or notifiable activities carried out on the land.</td> <td>(2)(a)(vi)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Details of any earthworks carried out on the land, including the materials used and waste produced during the earthworks.</td> <td>(2)(a)(vii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Contamination levels before and after any remediation work on the land.</td> <td>(2)(a)(viii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Site suitability statement(s).</td> <td>(2)(b)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A statement of whether the land is prescribed contaminated land.</td> <td>(2)(c)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>If the land is contaminated, a statement of the extent to which the land is contaminated.</td> <td>(2)(c)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> </tbody> </table>		Summary of statutory requirements for a site investigation report or validation report	s. 389 subject	CLID complies with subsections of s. 389(2)	Reasons the land's particulars are recorded in a relevant land register.	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<p>If the CLID is not a draft SMP, tick the box to the right and move on to Table D5. Otherwise, complete Table D4 to verify whether the draft SMP complies with the requirements of s. 389(3).</p> <p>A draft SMP must provide for the effective management of the environmental harm that may be caused by the hazardous contaminants contaminating the land by applying conditions to the use or development of, or activities carried out on, the land (s.370).</p> <p>A site subject to a SMP is <i>prescribed contaminated land</i> since contamination is present that may cause environmental harm if not adequately managed. The CLID must clearly illustrate the extent to which the land is contaminated both in area and depth, and extent of any water contamination.</p> <p>A SMP is not appropriate if the contamination is not adequately understood, or the methods and control measures stated in the SMP are insufficient to prevent the site contributing to off-site contamination that is, or may, cause environmental harm.</p> <p>Methods and measures must be in the form of conditions. The conditions must be certain, final, specify relevant time frames and clearly state what must be done or not done.</p> <p>If the auditor finds any part(s) of the draft SMP do not comply, they must return the draft SMP to the relevant person and the SQP to be amended to comply before the auditor reassesses it.</p>	<p>CLID is not a draft site management plan (SMP): <input type="checkbox"/> OR</p> <p>I verify, and provide evidence in my auditor's report, which has been prepared in accordance with the <i>Queensland Auditor Handbook for Contaminated Land</i>, that I agree with the site suitability statement and draft site management plan for each lot.</p> <p>I verify that the draft site management plan(s) complies with the statutory requirements of the subsections of s. 389(3) of the EP Act listed in Table D4 below.</p> <p>Table D4 Requirements of s. 389(3) of the EP Act</p> <table border="1"> <thead> <tr> <th>Summary of statutory requirements for a draft site management plan</th> <th>s. 389 subject</th> <th>CLID complies with subsections of s. 389(3)</th> </tr> </thead> <tbody> <tr> <td>The proposed objectives to be achieved and maintained under the plan.</td> <td>(3)(a)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>The proposed methods for achieving and maintaining the objectives.</td> <td>(3)(a)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>The proposed monitoring and reporting compliance measures for the land.</td> <td>(3)(a)(iii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>Site suitability statement(s)</td> <td>(3)(b)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A statement of whether the land is prescribed contaminated land.</td> <td>(3)(c)(i)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>If the land is contaminated— a statement of the extent to which the land is contaminated.</td> <td>(3)(c)(ii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A statement of whether the proposed objectives, methods and measures stated in the plan are appropriate</td> <td>(3)(c)(iii)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A reference to, and a copy of, the site investigation report or validation report that relates to the draft site management plan.</td> <td>(3)(d)</td> <td>Yes <input type="checkbox"/></td> </tr> <tr> <td>A description of the source, cause and extent of environmental harm to be managed under the plan.</td> <td>(3)(e)</td> <td>Yes <input type="checkbox"/></td> </tr> </tbody> </table>	Summary of statutory requirements for a draft site management plan	s. 389 subject	CLID complies with subsections of s. 389(3)	The proposed objectives to be achieved and maintained under the plan.	(3)(a)(i)	Yes <input type="checkbox"/>	The proposed methods for achieving and maintaining the objectives.	(3)(a)(ii)	Yes <input type="checkbox"/>	The proposed monitoring and reporting compliance measures for the land.	(3)(a)(iii)	Yes <input type="checkbox"/>	Site suitability statement(s)	(3)(b)	Yes <input type="checkbox"/>	A statement of whether the land is prescribed contaminated land.	(3)(c)(i)	Yes <input type="checkbox"/>	If the land is contaminated— a statement of the extent to which the land is contaminated.	(3)(c)(ii)	Yes <input type="checkbox"/>	A statement of whether the proposed objectives, methods and measures stated in the plan are appropriate	(3)(c)(iii)	Yes <input type="checkbox"/>	A reference to, and a copy of, the site investigation report or validation report that relates to the draft site management plan.	(3)(d)	Yes <input type="checkbox"/>	A description of the source, cause and extent of environmental harm to be managed under the plan.	(3)(e)	Yes <input type="checkbox"/>
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A statement of whether the proposed objectives, methods and measures stated in the plan are appropriate	(3)(c)(iii)	Yes <input type="checkbox"/>																													
A reference to, and a copy of, the site investigation report or validation report that relates to the draft site management plan.	(3)(d)	Yes <input type="checkbox"/>																													
A description of the source, cause and extent of environmental harm to be managed under the plan.	(3)(e)	Yes <input type="checkbox"/>																													

Contaminated land investigation document

For the auditor's certification to be in the approved form, the auditor must also complete Table D5. For this table, a CLID may be either a site investigation report or a validation report. If the auditor finds any part(s) of the CLID do not comply, and that they cannot tick 'Yes' to one or more rows in the adjacent table, they must return the CLID to the relevant person and the SQP to be amended to comply before the auditor reassesses it.

The auditor may only tick "NA" in Table D5 where sampling was not conducted as part of the investigation.

I verify that I have undertaken my own assessment and provided evidence in my auditor's report, which has been prepared in accordance with the *Queensland Auditor Handbook for Contaminated Land*, how the CLID adequately addresses the matters mentioned in Table D5 below.

Table D5 Approved form requirements




Approved form requirements	Verification
Sufficient evidence is available to demonstrate that the consultant(s) who prepared the CLID is/are Suitably Qualified Person(s) under the provisions of s. 564 of the EP Act.	Yes <input type="checkbox"/>
The site history in the CLID has been completed in accordance with section 3.3 of the NEPM Schedule B2.	Yes <input type="checkbox"/>
The CLID adequately describes the environmental setting in accordance with section 3.4 of the NEPM Schedule B2.	Yes <input type="checkbox"/>
The CLID adequately describes the local geology and hydrology in accordance with section 3.5 of the NEPM Schedule B2.	Yes <input type="checkbox"/>
The CLID adequately assigns and describes relevant environmental values of surface waters, wetlands and groundwaters and objectives for the values prescribed under the EP Act and the <i>Environmental Protection (Water and Wetland Biodiversity) Policy 2019</i> .	Yes <input type="checkbox"/>
Site inspections described in the CLID were sufficient and adequately undertaken in accordance with section 3.6 of the NEPM Schedule B2.	Yes <input type="checkbox"/>
The conceptual site model in the CLID has been completed in accordance with section 4 of the NEPM Schedule B2.	Yes <input type="checkbox"/>
The conceptual site model in the CLID adequately assessed all sources, exposure pathways and receptors in order to accurately assess the risks to human health and the environment.	Yes <input type="checkbox"/>
Data collection for the CLID has been completed in accordance with the NEPM Schedules B1, B2, B3 and B6.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>
Sampling design and methodology outlined in the CLID is appropriate and has assessed all relevant media in accordance with the NEPM Schedules B1, B2, B3 and B6.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>
Contaminant fate and transport modelling for the CLID was adequate for assessing risks and has been completed in accordance with section 10 of the NEPM Schedule B2, if applicable.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>

Table D5 continues on next page

Contaminated land investigation document

Table D5 continued	Table D5 continued <table border="1"> <thead> <tr> <th data-bbox="544 369 1235 421">Approved form requirements</th> <th data-bbox="1235 369 1425 421">Verification</th> </tr> </thead> <tbody> <tr> <td data-bbox="544 421 1235 568">Data analysis for the CLID has been completed in accordance with the NEPM Schedules B1, B2, B3 and B6, Australian Standards, and any other relevant NEPM or guidelines.</td> <td data-bbox="1235 421 1425 568"> Yes <input type="checkbox"/> N/A <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 568 1235 680">Report presentation for the CLID has been completed in accordance with section 14 of the NEPM Schedule B2.</td> <td data-bbox="1235 568 1425 680"> Yes <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 680 1235 792">The CLID demonstrates that the environment was protected during site assessment in accordance with section 15 of the NEPM Schedule B2.</td> <td data-bbox="1235 680 1425 792"> Yes <input type="checkbox"/> N/A <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 792 1235 882">I agree with the prescribed contaminated land statement made in the CLID for each lot.</td> <td data-bbox="1235 792 1425 882"> Yes <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 882 1235 972">I agree with the statement made in the CLID regarding the extent to which the land is contaminated.</td> <td data-bbox="1235 882 1425 972"> Yes <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 972 1235 1151">For contaminants outside the scope of the NEPM, the general principles of site assessment in the NEPM have been complied with and supplementary assessment carried out consistent with relevant State and National guidance.</td> <td data-bbox="1235 972 1425 1151"> Yes <input type="checkbox"/> N/A <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 1151 1235 1263">The CLID accurately assesses all risks of environmental harm to human health and the environment associated with the contamination.</td> <td data-bbox="1235 1151 1425 1263"> Yes <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 1263 1235 1442">My audit report details the findings from my site inspections, including my observations with respect to verifying relevant site data, witnessing and/or verifying field methodologies, sample integrity, data collection and SQP suitability.</td> <td data-bbox="1235 1263 1425 1442"> Yes <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 1442 1235 1655">My audit report references the evidence on which my findings were based and explains and justifies my decisions. My audit report also evaluates any deviations of the CLID from the NEPM in the context of whether the deviations affected the quality of investigations, integrity of results, or decisions made.</td> <td data-bbox="1235 1442 1425 1655"> Yes <input type="checkbox"/> </td> </tr> <tr> <td data-bbox="544 1655 1235 1836">For a draft SMP, I agree that the proposed objectives, methods to achieve and maintain the objectives and associated monitoring and reporting measures are adequate to ensure the contamination does not cause a risk of environmental harm on- or off-site.</td> <td data-bbox="1235 1655 1425 1836"> Yes <input type="checkbox"/> <input type="checkbox"/> N/A - CLID is not a draft SMP </td> </tr> </tbody> </table>		Approved form requirements	Verification	Data analysis for the CLID has been completed in accordance with the NEPM Schedules B1, B2, B3 and B6, Australian Standards, and any other relevant NEPM or guidelines.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>	Report presentation for the CLID has been completed in accordance with section 14 of the NEPM Schedule B2.	Yes <input type="checkbox"/>	The CLID demonstrates that the environment was protected during site assessment in accordance with section 15 of the NEPM Schedule B2.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>	I agree with the prescribed contaminated land statement made in the CLID for each lot.	Yes <input type="checkbox"/>	I agree with the statement made in the CLID regarding the extent to which the land is contaminated.	Yes <input type="checkbox"/>	For contaminants outside the scope of the NEPM, the general principles of site assessment in the NEPM have been complied with and supplementary assessment carried out consistent with relevant State and National guidance.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>	The CLID accurately assesses all risks of environmental harm to human health and the environment associated with the contamination.	Yes <input type="checkbox"/>	My audit report details the findings from my site inspections, including my observations with respect to verifying relevant site data, witnessing and/or verifying field methodologies, sample integrity, data collection and SQP suitability.	Yes <input type="checkbox"/>	My audit report references the evidence on which my findings were based and explains and justifies my decisions. My audit report also evaluates any deviations of the CLID from the NEPM in the context of whether the deviations affected the quality of investigations, integrity of results, or decisions made.	Yes <input type="checkbox"/>	For a draft SMP, I agree that the proposed objectives, methods to achieve and maintain the objectives and associated monitoring and reporting measures are adequate to ensure the contamination does not cause a risk of environmental harm on- or off-site.	Yes <input type="checkbox"/> <input type="checkbox"/> N/A - CLID is not a draft SMP
Approved form requirements	Verification																							
Data analysis for the CLID has been completed in accordance with the NEPM Schedules B1, B2, B3 and B6, Australian Standards, and any other relevant NEPM or guidelines.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>																							
Report presentation for the CLID has been completed in accordance with section 14 of the NEPM Schedule B2.	Yes <input type="checkbox"/>																							
The CLID demonstrates that the environment was protected during site assessment in accordance with section 15 of the NEPM Schedule B2.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>																							
I agree with the prescribed contaminated land statement made in the CLID for each lot.	Yes <input type="checkbox"/>																							
I agree with the statement made in the CLID regarding the extent to which the land is contaminated.	Yes <input type="checkbox"/>																							
For contaminants outside the scope of the NEPM, the general principles of site assessment in the NEPM have been complied with and supplementary assessment carried out consistent with relevant State and National guidance.	Yes <input type="checkbox"/> N/A <input type="checkbox"/>																							
The CLID accurately assesses all risks of environmental harm to human health and the environment associated with the contamination.	Yes <input type="checkbox"/>																							
My audit report details the findings from my site inspections, including my observations with respect to verifying relevant site data, witnessing and/or verifying field methodologies, sample integrity, data collection and SQP suitability.	Yes <input type="checkbox"/>																							
My audit report references the evidence on which my findings were based and explains and justifies my decisions. My audit report also evaluates any deviations of the CLID from the NEPM in the context of whether the deviations affected the quality of investigations, integrity of results, or decisions made.	Yes <input type="checkbox"/>																							
For a draft SMP, I agree that the proposed objectives, methods to achieve and maintain the objectives and associated monitoring and reporting measures are adequate to ensure the contamination does not cause a risk of environmental harm on- or off-site.	Yes <input type="checkbox"/> <input type="checkbox"/> N/A - CLID is not a draft SMP																							

Contaminated land investigation document

<p>In accordance with ss. 389(4)(b) and 574C(2) of the EP Act, the auditor must sign the adjacent certification and declaration.</p> <p>Note that to be in the approved form, the auditor's certification must be accompanied by an audit report prepared in accordance with the advice in Module 6 of the <i>Queensland auditor handbook for contaminated land</i>.</p> <p>Sections 480, 480A, 481 and 574M of the EP Act make it an offence for an auditor to give a false, misleading or incomplete document, or false and misleading information, to the administering authority.</p>	<p>I, _____, in accordance with s. 389(4)(b) of the <i>Environmental Protection Act 1994</i>, verify that:</p> <p><input type="checkbox"/> for a site investigation report or validation report, the document complies with s. 389(2) as confirmed in the tables above.</p> <p><input type="checkbox"/> for a draft site management plan, the document complies with s. 389(3) as confirmed in the tables above.</p> <p>I have included an auditor's report that verifies in detail how the CLID meets the statutory requirements and is in the approved form.</p> <p>I declare, in accordance with s. 574C(2) of the <i>Environmental Protection Act 1994</i>, that:</p> <ul style="list-style-type: none"> • I am approved as an auditor to prepare an auditor's certification under s. 568(b) of the <i>Environmental Protection Act 1994</i>, and have been approved while undertaking all work associated with that function for the submitted CLID. • I have the qualifications and experience relevant to the certification. • I have not knowingly given any false, misleading or incomplete information in my audit report or certification. • I have not knowingly failed to reveal any relevant information or document to the administering authority. • My audit report and certification are factually correct. • The opinions expressed in the document are honestly and reasonably held. <table border="1" style="width: 100%;"> <tr> <td style="width: 60%; vertical-align: top;"> Signature:  </td> <td style="width: 40%; vertical-align: top;"> Date: </td> </tr> </table>	Signature: 	Date:
Signature: 	Date: 		

End of Part D

Contaminated land investigation document

Appendix 1—Evidence of the SQP's qualifications and experience

1. In accordance with Schedule 14 of the *Environmental Protection Regulation 2019*, the SQP responsible for the CLID provides the following details of their prescribed organisation membership:

Prescribed organisation

Membership type

Date membership renewal is due

2. **Relevant qualifications of the SQP responsible for the CLID**

Identified knowledge area required for the investigation	Name of degree or post graduate qualifications (and major discipline of study if relevant)	Institution conferring the degree	Year of completion

If necessary, attach a list of additional qualifications.

3. **SQP's³ past projects demonstrating experience in the knowledge area(s) relevant to this CLID**

Identified knowledge area required	Hazardous contaminant and/or notifiable activity	Lot on plan	State	Role in project ¹	Date completed	Regulatory function (if applicable) ²

Contaminated land investigation document

Identified knowledge area required	Hazardous contaminant and/or notifiable activity	Lot on plan	State	Role in project ¹	Date completed	Regulatory function (if applicable) ²

Notes:

- 1) The SQP should be able to demonstrate at least three years' experience in contaminated land assessment and management, and demonstrate professionally competent application of that experience. The examples must be relevant to the characteristics of the site that is the subject of this submitted CLID (see the department's guideline *Assessing a suitably qualified person* (ESR/2016/1938)).
- 2) The regulatory function may be either conducting a site investigation, preparing a site investigation, or a validation report, or a draft site management plan or a draft amended SMP (see s. 564 of the EP Act).
- 3) Any additional SQP(s) who conducted technical professional services in support of the responsible SQP must complete a separate *Professional Support Team – Suitably qualified person declaration* form (ESR/2015/1856) and submit it as part of the CLID submission.

Contaminated land investigation document

Appendix 2—Submission checklist

This submission checklist sets the minimum requirements for items to be provided with the approved form to ensure it is complete. The *relevant person* should check that all required information is included using the boxes below.

- ☐ The entire contaminated land investigation document (CLID). Use the box at the end of Appendix 2 to list any other reports that make up the submission that are not located within an appendix of the CLID.
- ☐ A site plan and/or relevant survey plan(s) that includes site boundaries, scale, north arrow is included in either (complete the relevant box(es)):
 - ☐ page no. of the document called , or
 - ☐ included separately with the CLID submission
- ☐ A copy of a current title search (the search must have been undertaken no more than one month prior to submitting the CLID)
- ☐ Site suitability statement(s) are located in an appendix of the CLID
- ☐ Did technical professional support SQP(s) assist the SQP responsible for the CLID?
 - ☐ No—no support SQP employed, or
 - ☐ Yes—every support SQP(s) declaration(s) are included with the CLID submission (ESR/2015/1856)
- ☐ Audit report supporting the auditor's certification
- ☐ Did support expert(s) assist the auditor?
 - ☐ No—no support expert employed, or
 - ☐ Yes—every support expert's report is included as part of the auditor's report; and
 - ☐ Yes —every support expert has completed a statement (ESR/2015/1859) which is included with the CLID submission
- ☐ If the CLID is a draft SMP, it is provided in an unlocked Word document format
- ☐ If the CLID is a draft SMP, is the relevant person who submits the CLID the land owner?
 - ☐ relevant person is the land owner —land owner's agreement to draft SMP or draft amended SMP is not needed
 - ☐ relevant person is not the land owner—land owner's agreement to the draft SMP or draft amended SMP is included in either:
 - ☐ page no. of the document called , or
 - ☐ included separately with the CLID submission

Contaminated land investigation document

<p>List all the documents, reports, statements, declarations, etc., excluding this form, that accompany the CLID but are not included as an appendix of the CLID.</p> <p>See Appendix 3 for conventions and formats for submitting electronic CLID applications.</p>	<p>The documents listed below are necessary parts of this submission:</p>
--	--

End of submission checklist

Appendix 3—How to submit a contaminated land investigation document and mandatory supporting information

For efficiency, it is preferred that the contaminated land investigation document and all mandatory supporting information is provided electronically via email. However, a hard copy is also accepted. Submission should be sent to:

Email: palm@des.qld.gov.au

(please see conventions for submitting by email below)

Mail:

Permit and Licence Management
Department of Environment and Science
GPO Box 2454
BRISBANE QLD 4001

To allow for components of the contaminated land investigation document and mandatory supporting information to be readily identified and to avoid administrative delay, be sure to abide by the following conventions:

Conventions for all documents:

- Each document is to be given a unique title or name, incorporating their date of completion (in dd_mm_yyyy format).
- Pages in each document are to be numbered consecutively.
- Page size is to be set to the ISO A-series standard.
- Resolution of PDF file should not be lower than 300 dots per inch.
- Where practicable, any attachments, such as photos, figures or maps, are to be included as part of the primary document.
- Both colour and black and white information should be able to be appropriately reproduced.

Conventions for electronic files via email:

- Any submission via email that would exceed 50MB will need to be broken down into separate emails, with each email clearly labelled Part X of X (e.g. Part 1 of 2) in the subject line of the email.
- A site investigation report or validation report and the mandatory supporting information should be provided as one or more electronic documents in a searchable PDF file (i.e. portable document format).
- Files should not be encrypted or require password access or be dependent on external attachments for legibility.
- Where a site investigation report or validation report is composed of one document, the name of the PDF file should include 'Site investigation report' or 'Validation report'.
- Where a site investigation report or validation report is comprised of more than one document, each attachment should be named in the following manner:

<Component of the CLID (e.g. Site investigation report or validation report)>_Part X of X (e.g. Part 1 of 2) _<Title of the document that directly corresponds to the title provided in this form>.

Contaminated land investigation document

- Where mandatory supporting information is comprised of more than file, each attachment should be named in the following manner:

<Title of the document>_Part X of X_<Title of sub-part>
- A draft site management plan or draft amended draft site management plan should be provided as one Microsoft Word document file and should be given a name that directly corresponds to the title of the plan provided with this form.
- Mandatory supporting information that is provided in separate PDF files should be named as follows:
 - Evidence that the SQP is suitably qualified and experienced: <Name of SQP>_SQP evidence of competency
 - Audit report: <Title of CLID>_Audit report_<Name of auditor>
 - Landowner agreement to draft site management plan, if required: <Title of CLID>_Landowner agreement
 - Site suitability statement(s), if not included in an appendix of the CLID: <Title of CLID>_Site suitability statement_<Lot/Plan>

Where any of these are comprised of more than one document, a folder should be created and titled as per the above with each PDF file in the folder given the same title as the individual PDF document.

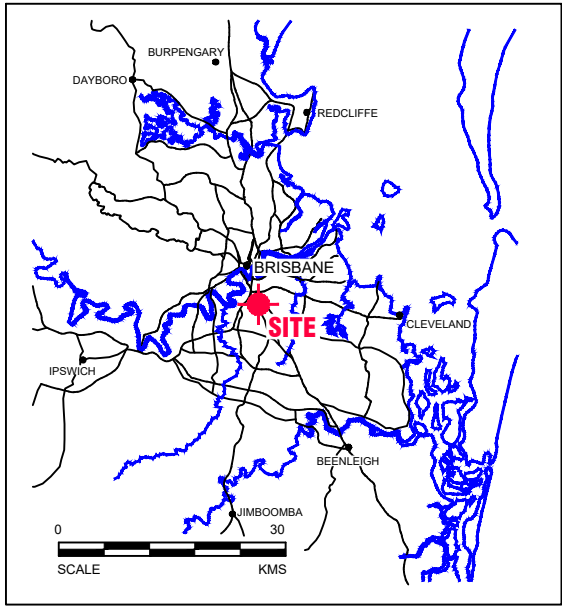
- The subject line of the email should be 'Submission of a contaminated land investigation document' and include a reference to the site.

Privacy statement

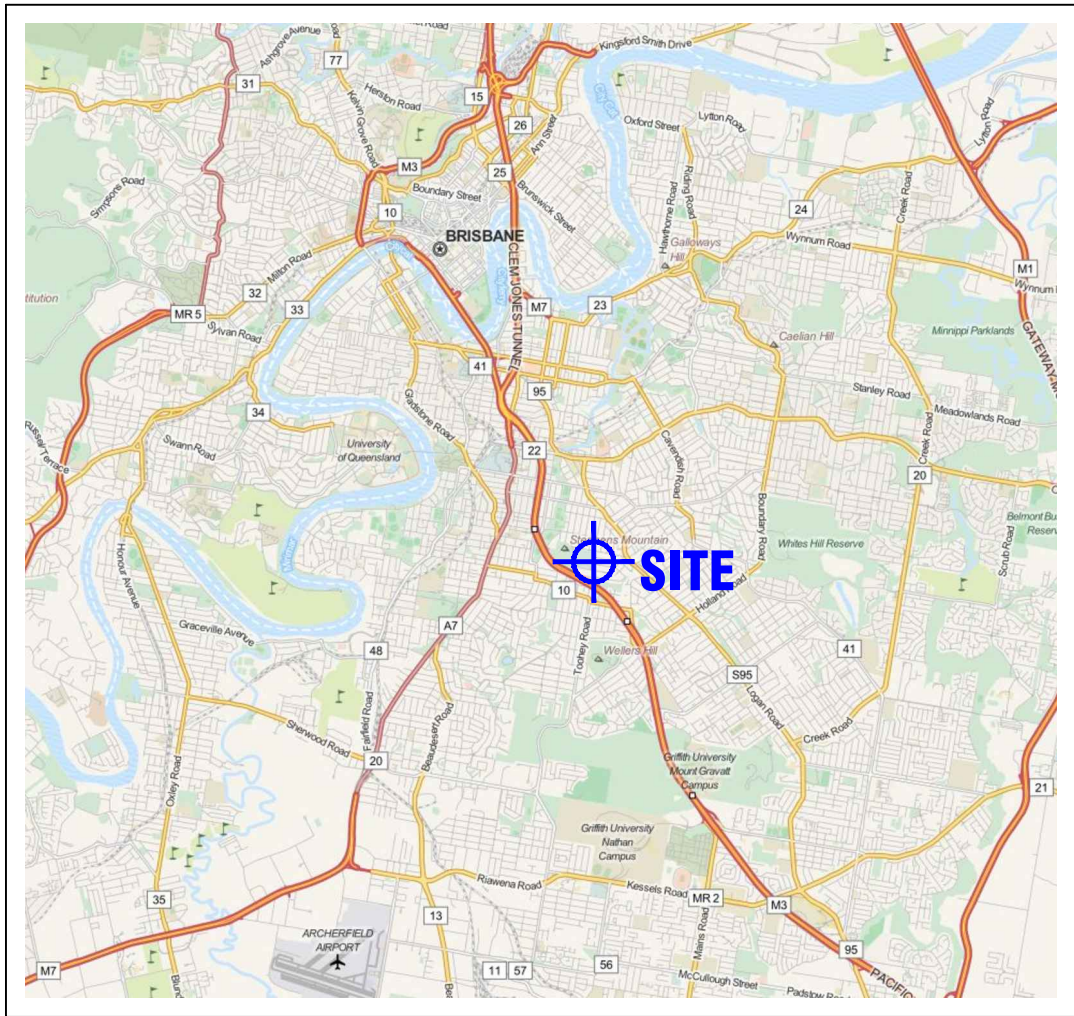
The Department of Environment and Science (the department) is collecting personal information about the people identified on this form as the relevant person, the owner or occupier of the relevant land, the suitably qualified person responsible for a regulatory function and the auditor responsible for certifying the contaminated land investigation document in order to process the submission the contaminated land investigation document under Chapter 7, Part 8 of the *Environmental Protection Act 1994*. The information provided on, and accompanying, the form will not otherwise be used or disclosed unless required or authorised by law. For further information about privacy matters email: privacy@des.qld.gov.au or telephone: 13 74 68.

**APPENDIX C CONSULTANT FIGURES, ANALYTICAL TABLES AND EXTRACT FROM
PREVIOUS INVESTIGATIONS (COFFEY, 2013A)**

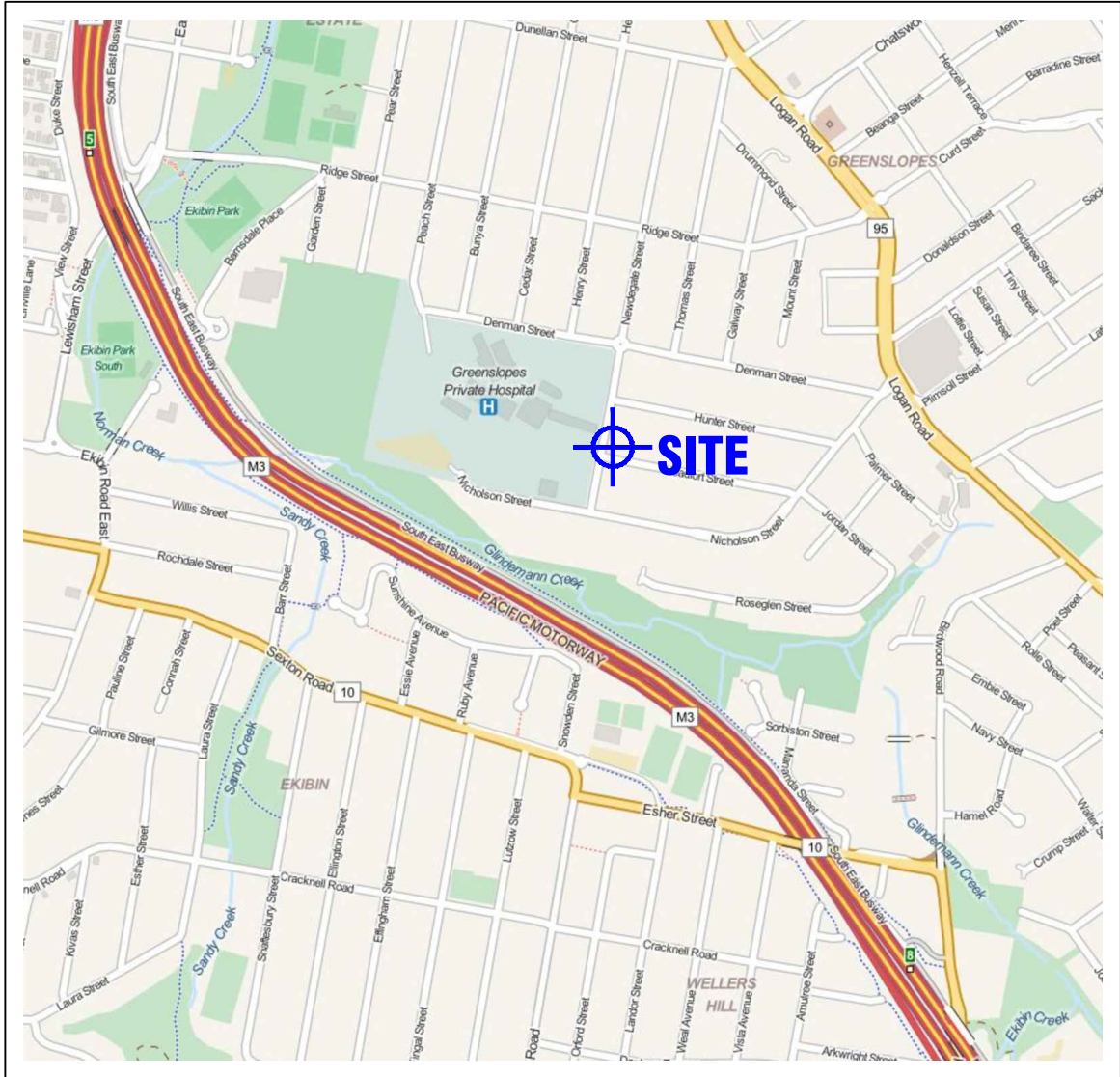




GENERAL AREA MAP

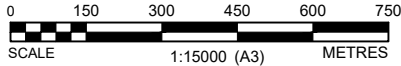


REGIONAL AREA MAP



LOCAL AREA MAP

© OpenStreetMap contributors, CC-BY-SA



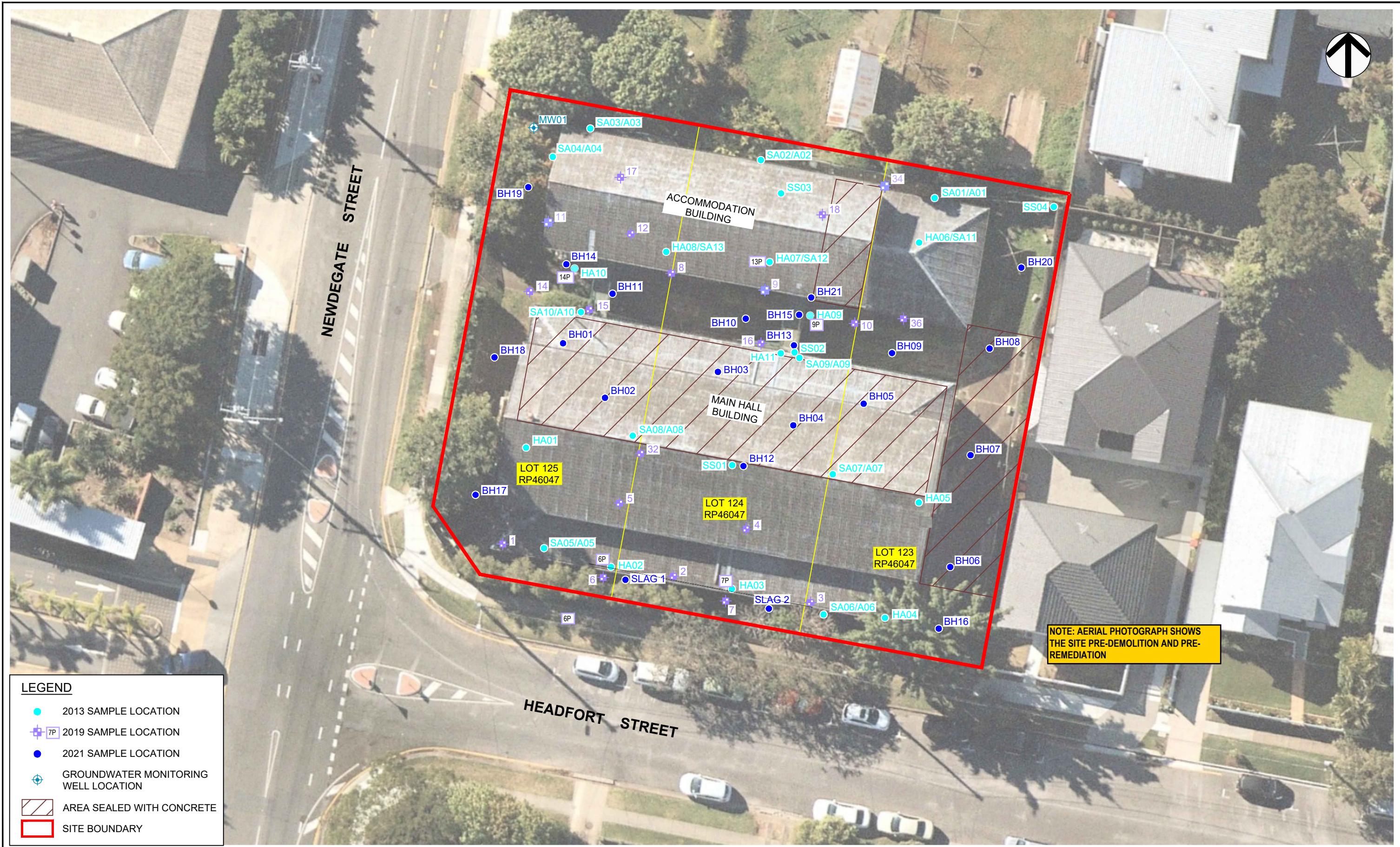
revision

no.	description	drawn	approved	date
A	ORIGINAL ISSUE			

drawn	SMW / AW
approved	-
date	24-07-2023
scale	AS SHOWN
original size	A3



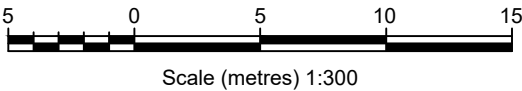
client:	DEPARTMENT OF VETERAN AFFAIRS		
project:	DVA GREENSLOPES 51/53/55 HEADFORT STREET, GREENSLOPES, QLD		
title:	SITE LOCATION PLAN		
project no:	754-BNEEN282781	figure no:	FIGURE 1
		rev:	A



LEGEND

- 2013 SAMPLE LOCATION
- ⊕ 2019 SAMPLE LOCATION
- 2021 SAMPLE LOCATION
- ⊕ GROUNDWATER MONITORING WELL LOCATION
- ▨ AREA SEALED WITH CONCRETE
- ▭ SITE BOUNDARY

revision	no.	description			drawn	approved	date
	A	ORIGINAL ISSUE					



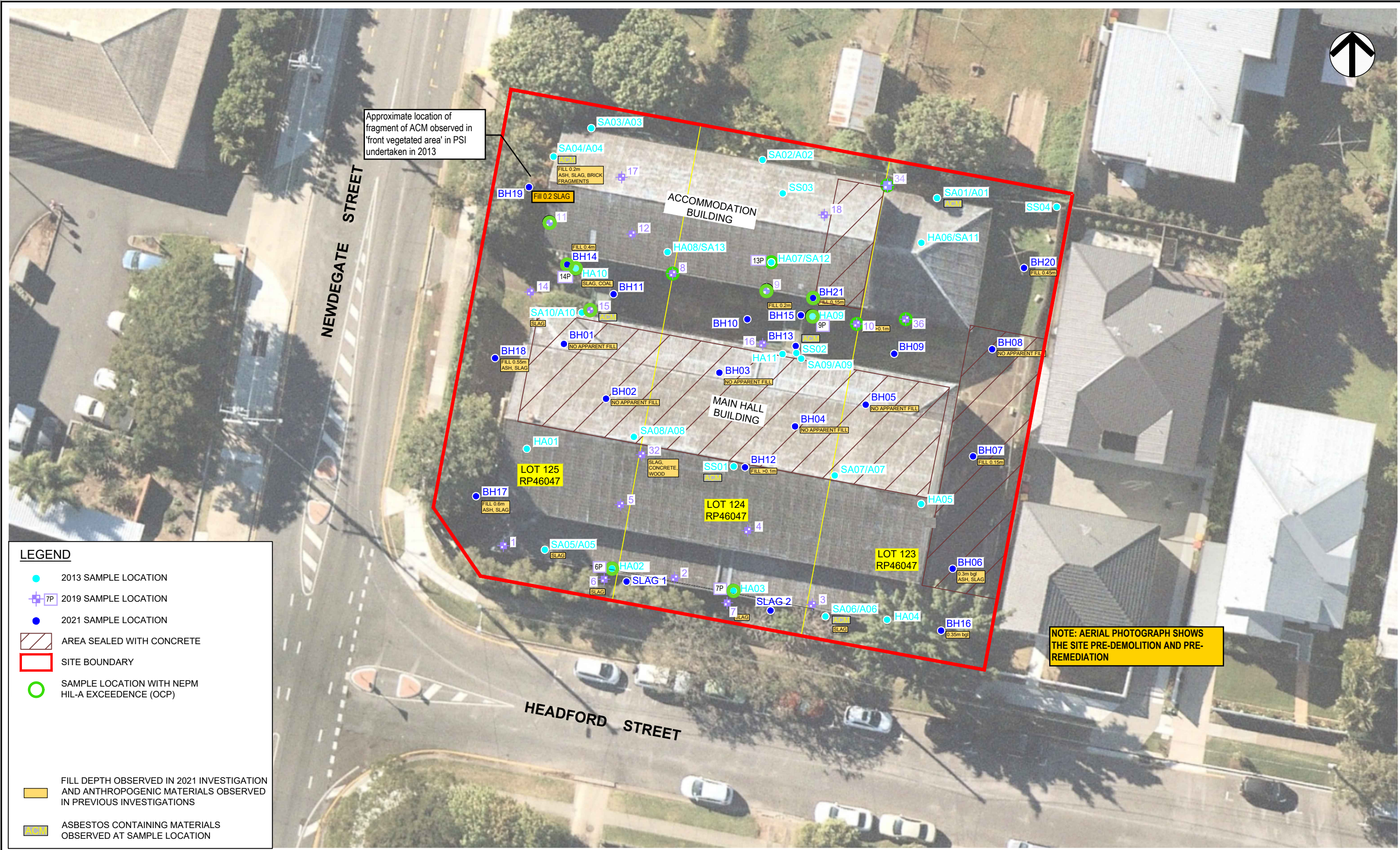
SOURCE: NEARMAP IMAGE - 9/08/2019

drawn	SMW / AW
approved	-
date	24-07-2023
scale	AS SHOWN
original size	A3



client:	DEPARTMENT OF VETERAN AFFAIRS		
project:	DVA GREENSLOPES 51/53/55 HEADFORT STREET, GREENSLOPES, QLD		
title:	SAMPLE LOCATION PLAN		
project no:	754-BNEEN282781	figure no:	FIGURE 2
		rev:	A

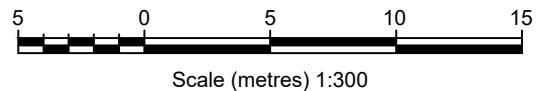
PLOT DATE: 24/07/2023 1:44:15 PM DWG FILE: F:\1 PROJECTS\1. SYDNEY\OTHER OFFICES\BNEEN\EN754-BNEEN282781\CA0754-BNEEN282781.DWG



LEGEND

- 2013 SAMPLE LOCATION
- 2019 SAMPLE LOCATION
- 2021 SAMPLE LOCATION
- AREA SEALED WITH CONCRETE
- SITE BOUNDARY
- SAMPLE LOCATION WITH NEPM HIL-A EXCEEDENCE (OCP)
- FILL DEPTH OBSERVED IN 2021 INVESTIGATION AND ANTHROPOGENIC MATERIALS OBSERVED IN PREVIOUS INVESTIGATIONS
- ASBESTOS CONTAINING MATERIALS OBSERVED AT SAMPLE LOCATION

revision	no.	description			drawn	approved	date
	A	ORIGINAL ISSUE					



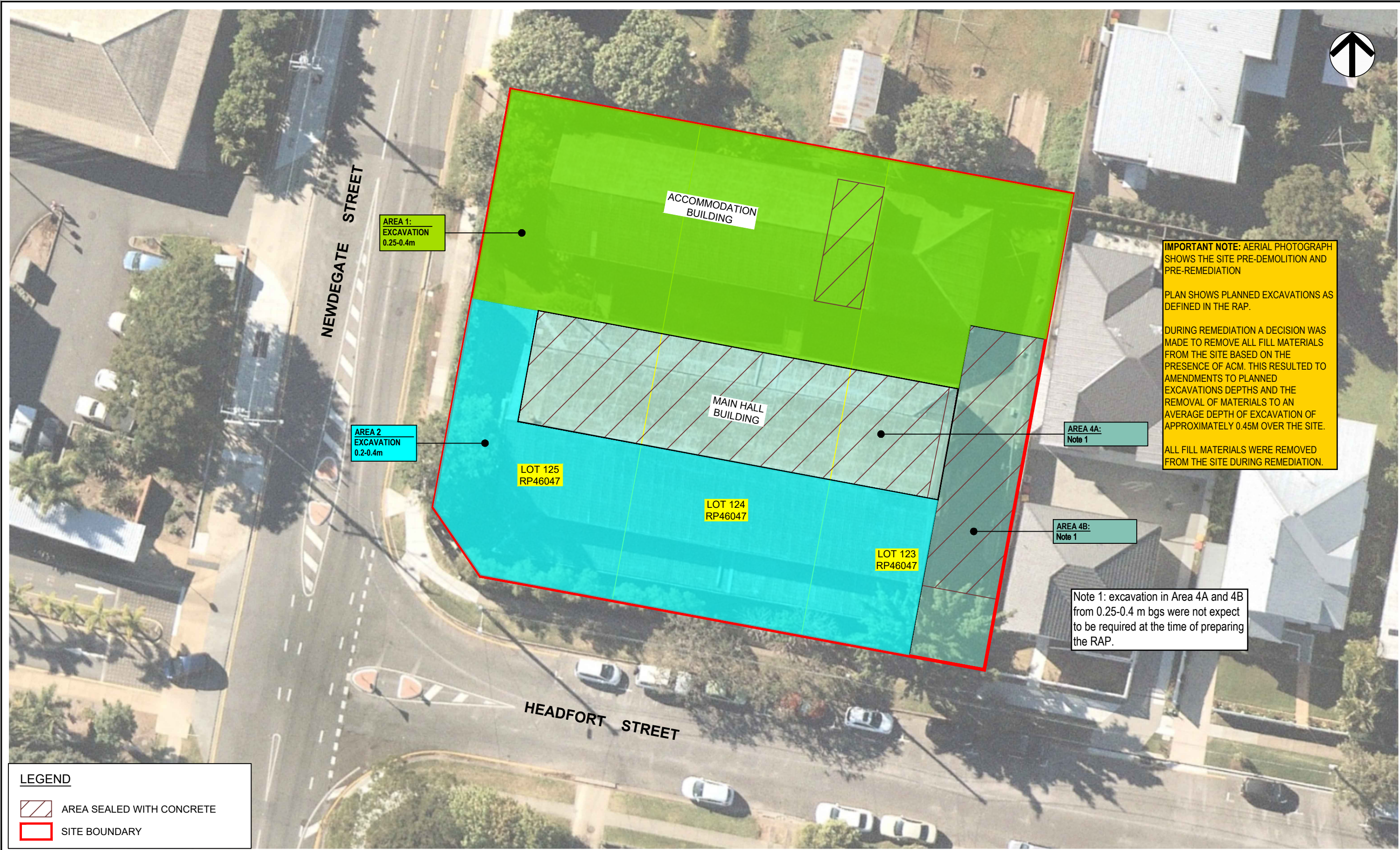
SOURCE: NEARMAP IMAGE - 9/08/2019

drawn	SMW / AW
approved	-
date	24-07-2023
scale	AS SHOWN
original size	A3



client:	DEPARTMENT OF VETERAN AFFAIRS		
project:	DVA GREENSLOPES 51/53/55 HEADFORT STREET, GREENSLOPES, QLD		
title:	SUMMARY OF HUMAN HEALTH EXCEEDANCES AND FILL DEPTH		
project no:	754-BNEEN282781	figure no:	FIGURE 3
		rev:	A

PLOT DATE: 24/07/2023 1:44:43 PM DWG FILE: F:\1 PROJECTS\1. SYDNEY\OTHER OFFICES\BNEEN\EN754-BNEEN282781\CA0754-BNEEN282781.DWG



IMPORTANT NOTE: AERIAL PHOTOGRAPH SHOWS THE SITE PRE-DEMOLITION AND PRE-REMEDICATION

PLAN SHOWS PLANNED EXCAVATIONS AS DEFINED IN THE RAP.

DURING REMEDIATION A DECISION WAS MADE TO REMOVE ALL FILL MATERIALS FROM THE SITE BASED ON THE PRESENCE OF ACM. THIS RESULTED TO AMENDMENTS TO PLANNED EXCAVATIONS DEPTHS AND THE REMOVAL OF MATERIALS TO AN AVERAGE DEPTH OF EXCAVATION OF APPROXIMATELY 0.45M OVER THE SITE.

ALL FILL MATERIALS WERE REMOVED FROM THE SITE DURING REMEDIATION.

AREA 4A:
Note 1

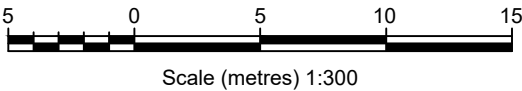
AREA 4B:
Note 1

Note 1: excavation in Area 4A and 4B from 0.25-0.4 m bgs were not expect to be required at the time of preparing the RAP.

LEGEND

- AREA SEALED WITH CONCRETE
- SITE BOUNDARY

revision	no.	description		drawn	approved	date
	A	ORIGINAL ISSUE				



SOURCE: NEARMAP IMAGE - 9/08/2019

drawn	SMW / AW
approved	-
date	24-07-2023
scale	AS SHOWN
original size	A3




client:	DEPARTMENT OF VETERAN AFFAIRS		
project:	DVA GREENSLOPES 51/53/55 HEADFORT STREET, GREENSLOPES, QLD		
title:	RAP EXCAVATION PLAN 0.25-0.4 M BGS		
project no:	754-BNEEN282781	figure no:	FIGURE 4B
		rev:	A



- LEGEND**
- Area 1C boundary Delineation Locations
 - Area 1C
 - ▭ Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 31/10/2023)



0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS
DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD
FIGURE 5 **DRAFT**
Area 1C Delineation Locations





- LEGEND**
- Floor Sampling Pre Import of Material
 - Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 31/10/2023)



0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS
DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 6 **DRAFT**
**Floor Validation Sampling
Prior to Importing Fill**



DATE: 16.11.23 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F006_GIS



Note: Trenches open during validation sampling on the 26/10/23 (represented by sample locations T01 to T27) were surveyed and are shown in the aerial image included in this Figure. Sample locations TR01 to TR06 were sampled on the 21/9/23. The Remediation Contractor has advised that trenches excavated to remove buried services were approximately 0.45 m wide and 0.6 m deep.

- LEGEND**
- Trench Validation Point
 - Driveway Validation Sample
 - Top of trench
 - Bottom of trench
 - ▭ Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 13/11/2023)



0 2 4
m

SCALE 1:200

PAGE SIZE: A3

PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS

DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 7 DRAFT

**Trench and Driveway
Sampling Locations**

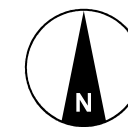




LEGEND

- × Excavation Floor Validation Point
- Headfort Street Boundary Validation Point
- Newdegate Street Boundary Validation Point
- Northern Boundary Validation Point
- Eastern Boundary Validation Point
- Horizontal Extent of Excavation
- Manhole Cover (Rising Main)
- Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 31/10/2023)



0 2.5 5 m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

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DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 8 **DRAFT**

Final Excavation Floor
and Boundary Validation Samples



TETRA TECH
COFFEY

DATE: 08.01.24 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F008_GIS



- LEGEND**
- Redundant Newdegate Street Validation Locations
 - Redundant Northern Boundary Validation Location
 - Horizontal Excavation Extent
 - ▭ Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 31/10/2023)



0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS

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51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 9 **DRAFT**

**Redundant Newdegate Street &
Northern Boundary Validation Locations**



DATE: 08.01.24 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F009_GIS



- LEGEND**
- Imported Fill Sample Locations
 - Horizontal Excavation Extent
 - ▭ Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 31/10/2023)



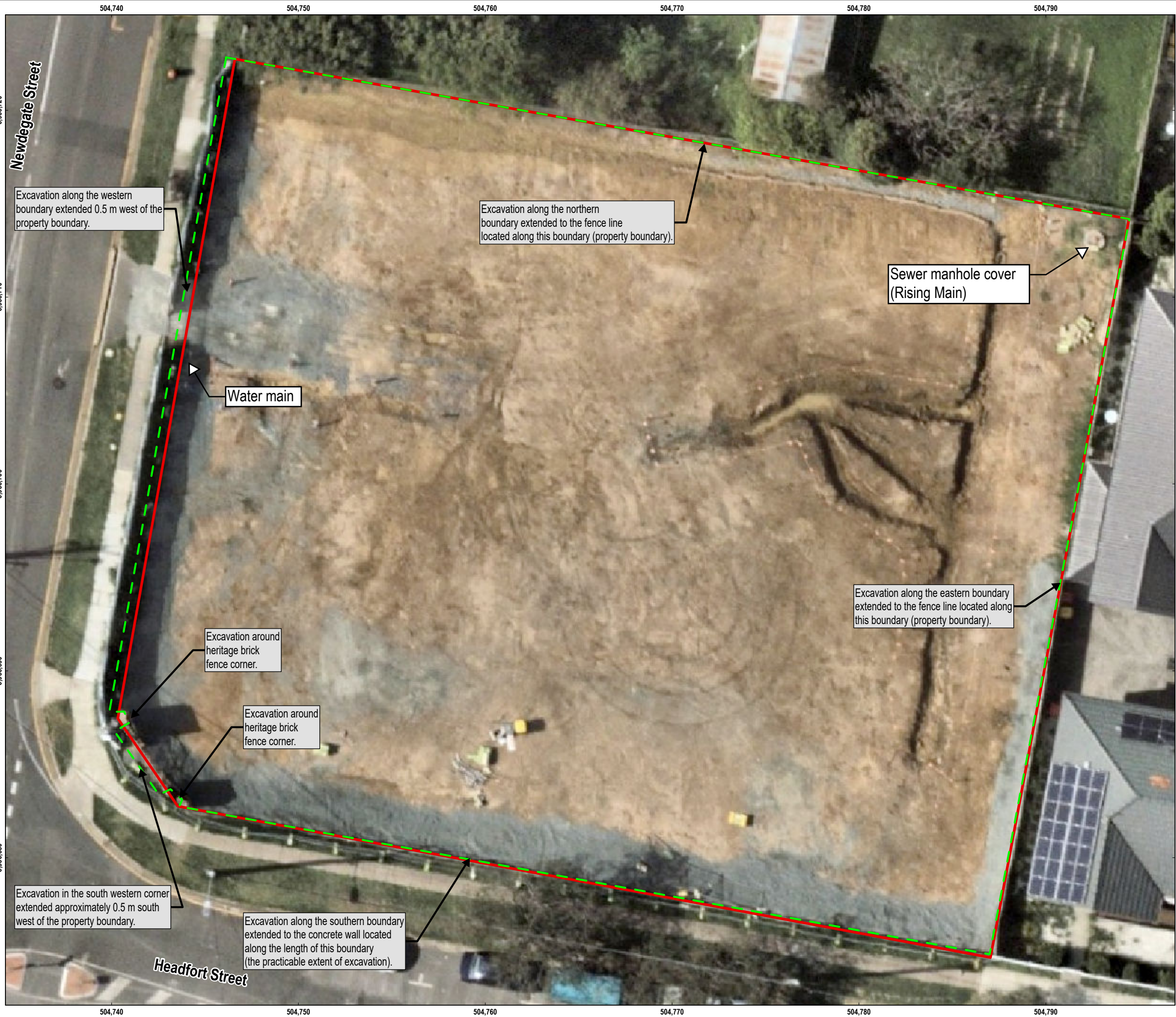
0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

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FIGURE 10 **DRAFT**
Imported Fill Sample Locations



DATE: 22.11.23 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F010_GIS



- LEGEND**
- Horizontal Excavation Extent
 - Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 13/11/2023)

0 2 4 m

SCALE 1:200

PAGE SIZE: A3

PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS

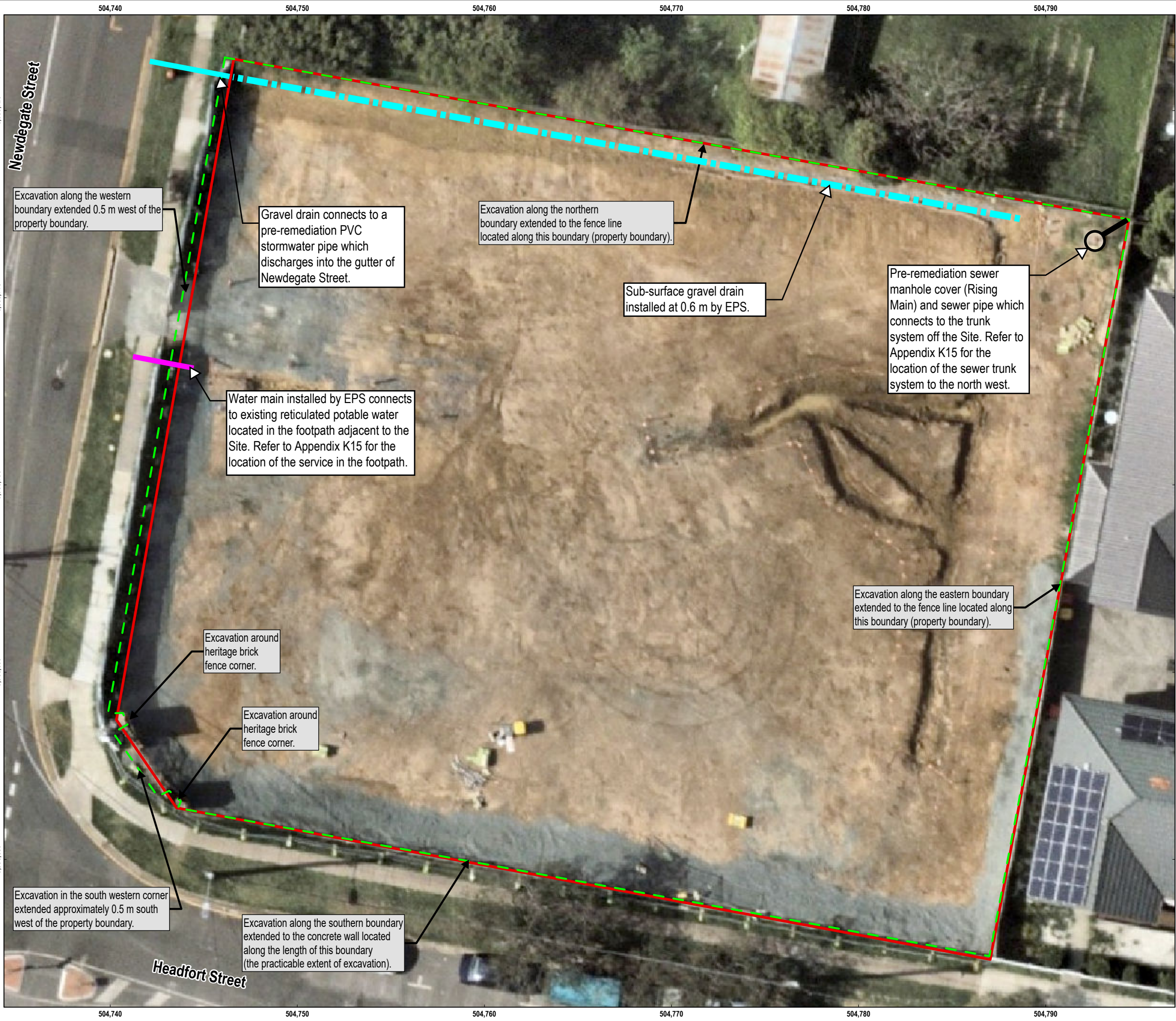
DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 11 **DRAFT**

Excavation Extents



DATE: 19.02.24 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F011_GIS



- LEGEND**
- Horizontal Excavation Extent
 - Surveyed Property Boundary

Underground Services Post Remediation
(approximate location)

- Gravel Drain
- Stormwater Pipe (PVC)
- Water Main
- Sewer Pipe
- Sewer Manhole Cover
(Rising Main)

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 13/11/2023)



0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

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DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 12 **DRAFT**
Services Post-Remediation




DATE: 19.02.24 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F011_GIS



- LEGEND**
- Horizontal Excavation Extent
 - Surveyed Property Boundary

SOURCE
Site boundary and investigation locations from Tetra Tech Coffey.
Contours from Department of Resources Queensland
Aerial imagery from Nearmap (capture date: 13/11/2023)



0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS

DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD

FIGURE 13 **DRAFT**

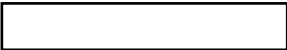
Pre-Remediation Ground Levels



DATE: 08.04.24 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F012A_GIS



- LEGEND**
- Horizontal Excavation Extent
 - Surveyed Property Boundary
 - Approximate location of imported materials used for shoring of boundary walls



SOURCE
Site boundary, Contours and investigation locations from Tetra Tech Coffey.
Aerial imagery from Nearmap (capture date: 13/11/2023)



0 2 4
m

SCALE 1:200
PAGE SIZE: A3
PROJECTION: GDA 1994 MGA Zone 56

DEPARTMENT OF VETERAN AFFAIRS
DVA GREENSLOPES
51-55 HEADFORT STREET, GREENSLOPES, QLD
FIGURE 14 **DRAFT**
Post-Remediation Ground Levels



DATE: 08.04.24 PROJECT: 754-BNEEN282781 FILE: 282781_VAL_F012B_GIS

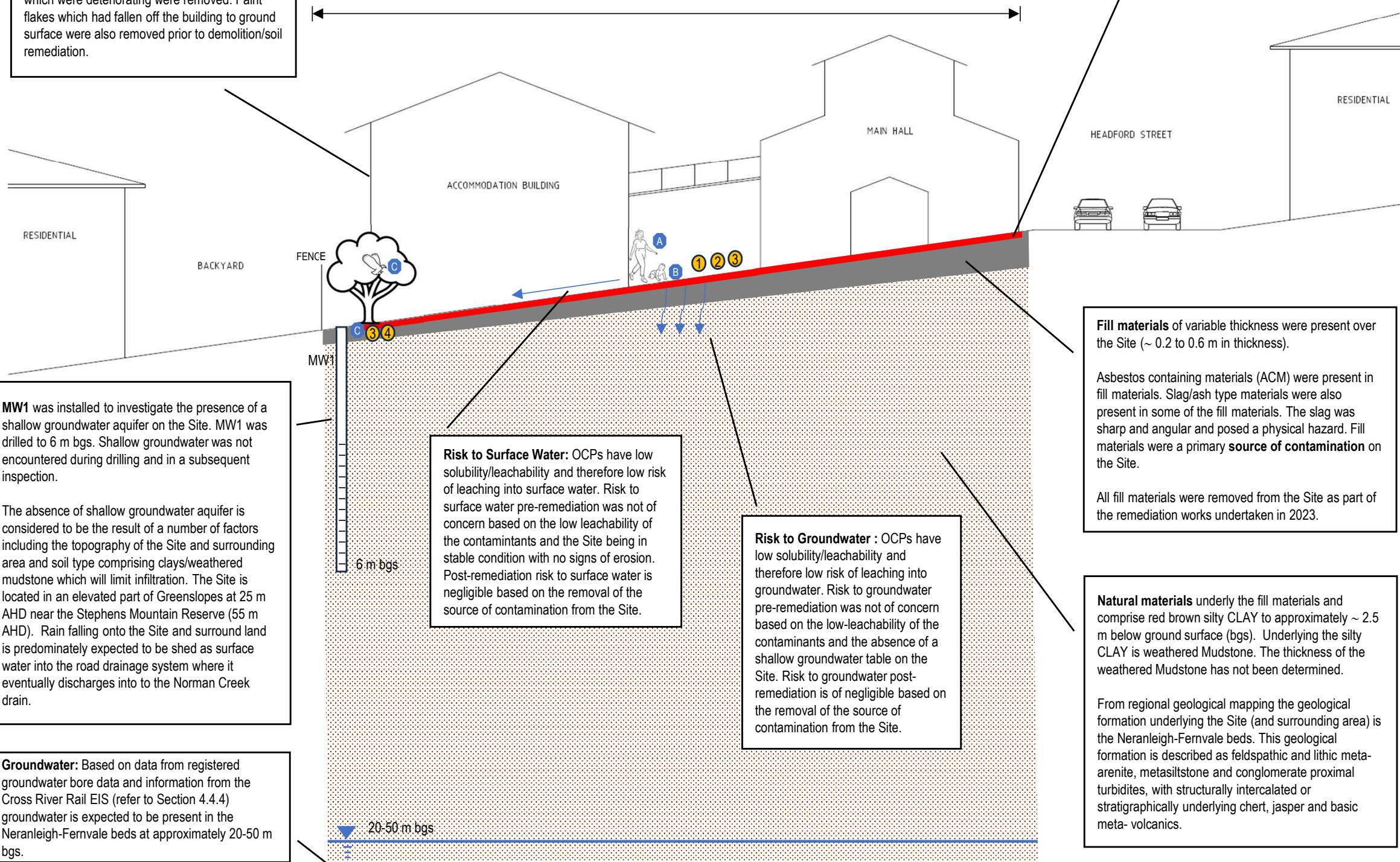
Receptors	Exposure Pathways
A Adult future site users / construction and maintenance workers B Child future site users	1 Inhalation of dust particles and asbestos fibres 2 Dermal contact with soil 3 Incidental ingestion of soil
C Terrestrial flora and fauna	3 Incidental ingestion of soil 4 Biological uptake mechanisms

Termiticides (termite barriers) were historically installed around the perimeter of the buildings and resulted in the contamination of soil materials with organo-chlorine pesticides (OCPs). OCPs in soil were a primary **source of contamination** on the Site. Elevated concentrations of OCPs were generally limited to shallow soil materials less than 0.2 m below ground surface where the termiticides were originally applied.

All soil materials with OCP contamination which exceeded NEPM HIL-A Residential Health Guidelines were removed from the Site as part of the remediation works undertaken in 2023.

Asbestos containing materials (ACM) were present in buildings and in paints used on the buildings. Lead based paints were also used. Prior to demolition/soil remediation exterior paints which were deteriorating were removed. Paint flakes which had fallen off the building to ground surface were also removed prior to demolition/soil remediation.

SITE



MW1 was installed to investigate the presence of a shallow groundwater aquifer on the Site. MW1 was drilled to 6 m bgs. Shallow groundwater was not encountered during drilling and in a subsequent inspection.

The absence of shallow groundwater aquifer is considered to be the result of a number of factors including the topography of the Site and surrounding area and soil type comprising clays/weathered mudstone which will limit infiltration. The Site is located in an elevated part of Greenslopes at 25 m AHD near the Stephens Mountain Reserve (55 m AHD). Rain falling onto the Site and surround land is predominately expected to be shed as surface water into the road drainage system where it eventually discharges into to the Norman Creek drain.

Groundwater: Based on data from registered groundwater bore data and information from the Cross River Rail EIS (refer to Section 4.4.4) groundwater is expected to be present in the Neranleigh-Fernvale beds at approximately 20-50 m bgs.

Risk to Surface Water: OCPs have low solubility/leachability and therefore low risk of leaching into surface water. Risk to surface water pre-remediation was not of concern based on the low leachability of the contaminants and the Site being in stable condition with no signs of erosion. Post-remediation risk to surface water is negligible based on the removal of the source of contamination from the Site.

Risk to Groundwater : OCPs have low solubility/leachability and therefore low risk of leaching into groundwater. Risk to groundwater pre-remediation was not of concern based on the low-leachability of the contaminants and the absence of a shallow groundwater table on the Site. Risk to groundwater post-remediation is of negligible based on the removal of the source of contamination from the Site.

Fill materials of variable thickness were present over the Site (~ 0.2 to 0.6 m in thickness).

Asbestos containing materials (ACM) were present in fill materials. Slag/ash type materials were also present in some of the fill materials. The slag was sharp and angular and posed a physical hazard. Fill materials were a primary **source of contamination** on the Site.

All fill materials were removed from the Site as part of the remediation works undertaken in 2023.

Natural materials under the fill materials and comprise red brown silty CLAY to approximately ~ 2.5 m below ground surface (bgs). Underlying the silty CLAY is weathered Mudstone. The thickness of the weathered Mudstone has not been determined.

From regional geological mapping the geological formation underlying the Site (and surrounding area) is the Neranleigh-Fernvale beds. This geological formation is described as feldspathic and lithic meta-arenite, metasiltstone and conglomerate proximal turbidites, with structurally intercalated or stratigraphically underlying chert, jasper and basic meta- volcanics.

Legend

- Termite Barrier
- Fill Materials
- Natural Materials

NOT TO SCALE

ILLUSTRATION OF SITE PRE-DEMOLITION AND PRE-REMEDIATION



Figure 15 Pre-Remediation Illustrative Conceptual Site Model

C.1.1 Chemical Results - Final Validation Samples

C.1.1 Chemical Results - Final Validation Samples										
	4,4-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordan	δ-BHC	DDD	DDT	Dieldrin
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Remediation Criteria	-	-	-	6	-	50	-	-	-	-

Ground Surface																				
Field ID	Date	Sample Area	Material Type	Sample Location	Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.						

C.1.1 Chemical Results - Final Validation Samples

C.1.1 Chemical Results - Final Validation Samples										
	4,4-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordane	δ-BHC	DDD	DDT	Dieldrin
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Remediation Criteria	-	-	-	6	-	50	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface		Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)																
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2		0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26		0.05	25.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	0.08	<0.05	<0.1	<0.05	<0.05	<0.05	0.08
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26		0.2	25.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	0.1	<0.05	<0.1	<0.05	<0.05	<0.05	0.1
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26		0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7		0.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7		0.35	26.35	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7		0.5	26.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7		0.7	26	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6		0.1	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6		0.3	26.3	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6		0.4	26.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6		0.6	26	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26		0.1	25.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26		0.5	25.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26		0.6	25.4	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26		0.65	25.35	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6		0.1	25.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6		0.5	25.1	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6		0.6	25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6		0.7	24.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1		0.1	25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1		0.3	24.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1		0.45	24.65	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5		0.1	24.4	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5		0.7	23.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5		0.9	23.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2		0.1	24.1	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5		0.2	23.3	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4		0.15	23.25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5		0.15	23.35	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6		0.15	23.45	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8		0.15	23.65	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8		0.15	23.65	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1		0.15	23.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1		0.15	23.95	Boundary	Final	Duplicate of HSB27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1		0.15	23.95	Boundary	Final	Triplicate of HSB27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7		0.3	24.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7		0.3	24.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5		0.3	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5		0.3	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3		0.1	23.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3		0.15	23.15	Floor	Final	Duplicate sample of A1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3		0.15	23.15	Floor	Final	Duplicate sample of A1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3		0.15	23.15	Floor	Final	Triplicate sample of A1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4		0.1	23.3	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3		0.1	23.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5		0.1	23.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3		0.1	23.2	Floor	Final	Normal	<0.05	<0.05	<0.05	0.12	0.12	<0.05	<0.1	<0.05	<0.05	<0.05
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6		0.1	23.5	F												

C.1.1 Chemical Results - Final Validation Samples

C.1.1 Chemical Results - Final Validation Samples										
	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	Dieldrin
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Remediation Criteria	-	-	-	6	-	50	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)															
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	<0.05	<0.05	<0.05	0.14	<0.05	<0.1	<0.05	<0.05	<0.05	0.14
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	0.88	<0.05	<0.1	<0.05	<0.05	<0.05	0.88
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	<0.05	<0.05	0.2	1.5	<0.05	<0.1	<0.05	<0.05	0.06	1.3
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	0.78	<0.05	<0.1	<0.05	<0.05	<0.05	0.78
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.05
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	<0.05	<0.05	<0.05	0.98	<0.05	<0.1	<0.05	<0.05	<0.05	0.98
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	<0.05	<0.05	<0.05	0.7	<0.05	<0.05	<0.05	<0.05	<0.2	0.7
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	0.3	<0.05	<0.1	<0.05	<0.05	<0.05	0.3
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	<0.05	<0.05	0.05	1.65	<0.05	<0.1	<0.05	<0.05	<0.05	1.6
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	0.49	<0.05	<0.1	<0.05	<0.05	<0.05	0.49
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	<0.05	<0.05	0.09	0.49	<0.05	<0.1	<0.05	<0.05	<0.05	0.4
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	<0.05	<0.05	0.15	0.15	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	<0.05	<0.05	0.07	0.07	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	<0.05	<0.05	0.19	1.63	<0.05	0.21	<0.05	<0.05	<0.2	1.44
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	<0.05	<0.05	<0.05	0.18	<0.05	<0.1	<0.05	<0.05	<0.05	0.18
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	5.2	<0.05	<0.05	<0.05	<0.05
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.4	<0.05	<0.05	<0.05	<0.05
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	<0.05	<0.05	<0.05	<0.05
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.5	<0.05	<0.05	<0.05	<0.05
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	6.2	<0.05	<0.05	<0.05	<0.05
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	<0.05	<0.05	<0.05	<0.05
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.6	<0.05	<0.05	<0.05	<0.05
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	<0.05	<0.05	<0.05	<0.05	<0.05	0.65	<0.05	<0.05	<0.2	<0.05
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.8	<0.05	<0.05	<0.05	<0.05
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.8	<0.05	<0.05	<0.05	<0.05
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05

C.1.1 Chemical Results - Final Validation Samples

C.1.1 Chemical Results - Final Validation Samples																				
											4,4-DDE	β-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordane	β-BHC	DDD	DDT	Dieldrin
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
EQL											-	-	-	6	-	50	-	-	-	-
Remediation Criteria											-	-	-	6	-	50	-	-	-	-
Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.4	<0.05	<0.05	<0.05	<0.05
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	<0.05	<0.05	<0.05	0.09	<0.05	<0.1	<0.05	<0.05	0.05	0.09
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triuplicate sample of G7	<0.05	<0.05	<0.05	<0.05	<0.05	0.72	<0.05	<0.05	<0.2	<0.05
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.05	<0.05
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triuplicate sample of H1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1	<0.05	<0.05	<0.05	<0.05
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.8	<0.05	<0.05	<0.05	<0.05
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triuplicate sample of H9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triuplicate sample of TR03_TRENCHFLOOR_230921	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	<0.05	<0.05	0.06	1.56	<0.05	<0.1	<0.05	<0.05	<0.05	1.5
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS0										

C.1.1 Chemical Results - Final Validation Samples

C.1.1 Chemical Results - Final Validation Samples										
	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	Dieldrin
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Remediation Criteria	-	-	-	6	-	50	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type											
					Elevation at Sample Location (m AHD)																
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor		24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
T03_W1	18/10/2023	Trench	Natural Ground	Wall		23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T03_W2	18/10/2023	Trench	Natural Ground	Wall		23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T04_B	18/10/2023	Trench	Natural Ground	Floor		23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T04_W1	18/10/2023	Trench	Natural Ground	Wall		23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T04_W2	18/10/2023	Trench	Natural Ground	Wall		23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	0.07	<0.05	1.6	4.6	<0.05	<0.1	<0.05	<0.05	<0.05	3
T05_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T05_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC103	18/10/2023	Trench DUP	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05
T05_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T06_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T06_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T06_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T07_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T07_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T07_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T08_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T08_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T08_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T09_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T09_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T09_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T10_B	18/10/2023	Trench	Natural Ground	Floor		23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T10_W1	18/10/2023	Trench	Natural Ground	Wall		23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T10_W2	18/10/2023	Trench	Natural Ground	Wall		23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	<0.05	<0.05	<0.05	0.14	<0.05	<0.1	<0.05	<0.05	<0.05	0.14
T11_B	18/10/2023	Trench	Natural Ground	Floor		23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T11_W1	18/10/2023	Trench	Natural Ground	Wall		23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	<0.05	<0.05	<0.05	0.35	<0.05	<0.1	<0.05	<0.05	<0.05	0.35
T11_W2	18/10/2023	Trench	Natural Ground	Wall		23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T12_B	18/10/2023	Trench	Natural Ground	Floor		23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T12_W1	18/10/2023	Trench	Natural Ground	Wall		23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T12_W2	18/10/2023	Trench	Natural Ground	Wall		23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T13_B	18/10/2023	Trench	Natural Ground	Floor		24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05
T13_W1	18/10/2023	Trench	Natural Ground	Wall		24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T13_W2	18/10/2023	Trench	Natural Ground	Wall		24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	<0.05	<0.05	<0.05	<0.05
T14_B	18/10/2023	Trench	Natural Ground	Floor		24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T14_W1	18/10/2023	Trench	Natural Ground	Wall		24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T14_W2	18/10/2023	Trench	Natural Ground	Wall		24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T15_B	18/10/2023	Trench	Natural Ground	Floor		25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T15_W1	18/10/2023	Trench	Natural Ground	Wall		25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T15_W2	18/10/2023	Trench	Natural Ground	Wall		25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T16_B	18/10/2023	Trench	Natural Ground	Floor		25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T16_W1	18/10/2023	Trench	Natural Ground	Wall		25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T16_W2	18/10/2023	Trench	Natural Ground	Wall		25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T17-B	26/10/2023	Trench	Natural Ground	Floor		23.8	0.55	23.25	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T17-W1	26/10/2023	Trench	Natural Ground	Wall		23.8	0.15	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T17-W2	26/10/2023	Trench	Natural Ground	Wall		23.8	0.15	23.65	Trench	Final	Normal	<0.05	<0.05	1.1	1.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T18-B	26/10/2023	Trench	Natural Ground	Floor		24	0.55	23.45	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor		24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall		24	0.35	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	0.1	<0.05	<0.1	<0.05	<0.05	<0.05	0.1
T18-W2	26/10/2023	Trench	Natural Ground	Wall		24	0.35	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T19-B	26/10/2023	Trench	Natural Ground	Floor		24.3	0.4	23.9	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T19-W1	26/10/2023	Trench	Natural Ground	Wall		24.3	0.2	24.1	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T19-W2	26/10/2023	Trench	Natural Ground	Wall		24.3	0.25	24.05	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T20-B	26/10/2023	Trench	Natural Ground	Floor		24.1	0.55	23.55	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T20-W1	26/10/2023	Trench	Natural Ground	Wall		24.1	0.2	23.9	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T20-W2	26/10/2023	Trench	Natural Ground	Wall		24.1	0.15	23.95	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05
T21-B	26/10/2023	Trench	Natural Ground	Floor		24.2	0.6	23.6	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05			

C.1.1 Chemical Results - Final Validation Samples

											4,4-DDE	p-BHC	Aldrin	Aldrin + Dieldrin	p-BHC	chlordane	p-BHC	DDD	DDT	Dieldrin
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Remediation Criteria											-	-	-	6	-	50	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	<0.05	<0.05	<0.05	<0.05
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.6	<0.05	<0.05	<0.05	<0.05
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.05
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	<0.05	<0.05	<0.05	<0.05	<0.05	12	<0.05	<0.05	<0.05	<0.05
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	7.5	<0.05	<0.05	<0.05	<0.05
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	1.3	<0.05	<0.05	<0.05	<0.05

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.1.1 Chemical Results - Final Validation Samples

			Organochlorine Pesticides								
			Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPA/c
EQL			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria			0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1
			270	270	10	-	-	-	6	300	-

					Ground Surface																						
Field ID	Date	Sample Area	Material Type	Sample Location	Elevation at Sample	Sample Depth	Sample Depth	Main Grouping	Final/Redundant	Sample Type																	
					Location (m AHD)	(m bgs)	(m AHD)																				
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-						
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-	-						
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1						
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-						
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-						
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05											

C.1.1 Chemical Results - Final Validation Samples

											Organochlorine Pesticides									
											Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1
Remediation Criteria											270	270	10	-	-	-	6	300	-	-
Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<

C.1.1 Chemical Results - Final Validation Samples

C.1.1 Chemical Results - Final Validation Samples				Organochlorine Pesticides									
				Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPAVic	Other organochlorine pesticides EPAVic
EQL				mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria				270	270	10	-	-	-	6	300	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface		Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample																
					Location (m AHD)																
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6		0.1	24.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6		0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7		0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7		0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7		0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7		0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7		0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9		0.1	23.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.14	<0.1
B6	26/10/2023	Final Floor	Natural Ground	Floor	24		0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.88	<0.1
B7	26/10/2023	Final Floor	Natural Ground	Floor	24		0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.56	<0.1
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2		0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.78	<0.1
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7		0.1	23.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8		0.1	24.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1		0.1	24	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2		0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1		0.1	24	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.98	<0.1
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1		0.15	23.95	Floor	Final	Duplicate sample of C3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1		0.15	23.95	Floor	Final	Duplicate sample of C3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1		0.15	23.95	Floor	Final	Triplicate sample of C3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24		0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	<0.1
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2		0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.65	<0.1
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2		0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.49	<0.1
C7	26/10/2023	Final Floor	Natural Ground	Floor	24		0.1	23.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.49	<0.1
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24		0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24		0.15	23.85	Floor	Final	Duplicate sample of C7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.15	<0.1
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24		0.15	23.85	Floor	Final	Duplicate sample of C7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24		0.15	23.85	Floor	Final	Triplicate sample of C7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9		0.1	23.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9		0.1	23.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	<0.1
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9		0.1	24.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9		0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7		0.1	24.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3		0.1	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2		0.1	24.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4		0.1	24.3	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.07	<0.05	5.27	5.27
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4		0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5		0.1	24.4	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.4	1.4
D6	26/10/2023	Final Floor	Natural Ground	Floor	24		0.1	23.9	Floor	Final	Normal	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	0.78	0.78
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7		0.1	24.6	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.5	1.5
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3		0.1	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	6.26	6.26
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3		0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3		0.1	24.2	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2		0.1	25.1	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2		0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2		0.15	25.05	Floor	Final	Duplicate sample of D10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2		0.15	25.05	Floor	Final	Duplicate sample of D10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2		0.15	25.05	Floor	Final	Triplicate sample of D10	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1		0.1	25	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8		0.1	24.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8		0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6		0.1	24.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	0.7
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8		0.1	24.7	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.6	1.6
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8		0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9		0.1	24.8	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	0.4
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9		0.15	24.75	Floor	Final	Duplicate sample of E5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.2
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9		0.15	24.75	Floor	Final	Duplicate sample of E5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.2
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9		0.15	24.75	Floor	Final	Triplicate sample of E5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25		0.1	24.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
E7	26/10/2023	Final Floor	Natural Ground	Floor	25		0.1	24.9	Floor	Final	Normal	<0.05	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05	0.89	0.89
E8	26/10/2023	Final Floor	Natural Ground	Floor	25		0.1	24.9	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.8	0.8
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6		0.1	24.5	Floor	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1

C.1.1 Chemical Results - Final Validation Samples

											Organochlorine Pesticides									
											Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPA/Vic	Other organochlorine pesticides EPA/Vic
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1
											270	270	10	-	-	-	6	300	-	-
Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.1
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.1
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.1
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.4	1.4
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal		<0.05	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	0.21	<0.1
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal		-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal		-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5
G7	26/10/2023	Final Floor	Natural Ground																	

Organochlorine Pesticides

EQ1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1
Remediation Criteria	270	270	10	-	-	-	6	300	-	-

QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	<0.05	<0.05	<0.05	<0.05	0.06	<0.05	<0.05	<0.05	4.67	<0.1
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	<									

											Organochlorine Pesticides									
											Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPA/Vic	Other organochlorine pesticides EPA/Vic
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	0.78	0.78
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.6	1.6
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	0.26	<0.05	<0.05	0.08	<0.05	<0.05	<0.05	<0.05	12.39	12.39
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	0.13	<0.05	<0.05	0.07	<0.05	<0.05	0.06	<0.05	7.84	7.84
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.3
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.3	1.3

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.1.1 Chemical Results - Final Validation Samples

											Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium
EQL											mg/kg 0.05	mg/kg 0.05	mg/kg 0.05	mg/kg 0.05	mg/kg 0.5	mg/kg 0.05	mg/kg 0.05	mg/kg 0.05	mg/kg 2	mg/kg 0.4
Remediation Criteria											270	-	-	10	20	240	-	-	160 (Note 1)	20

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	26	<0.5
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	17	<0.5
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.1	<0.5
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.8	<0.5
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.7	<0.5
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	16	<0.5
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.4	<0.5
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.6	<0.5
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.2	<0.5
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.4	<0.5
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4	<0.5
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.6	<0.5
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	58	<0.5
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8	<0.5
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.4	<0.5
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.8	<0.5
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.1	<0.5
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<5	<1
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	17	<0.5
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.8	<0.5
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.5	<0.5
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	41	<0.5
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3	<0.5
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.3	<0.5
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.2	<0.5
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.3	<0.5
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.5	<0.5
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	<0.05	<0.05	<0.05	-	<0.05	-	-	15	<0.5
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	39	<0.5
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.8	<0.5
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.7	<0.5
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.5	<0.5
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	40	<0.5
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	75	<0.5
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.5	<0.5
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.1	<0.5
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.1	<0.5
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.4	<0.5
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.1	<0.5
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	19	<0.5
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.7	<0.5
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.7	<0.5
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	74	<0.5
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230918)	-	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	350	<0.5
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	280	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	270	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	18	<0.5
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230918)	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	150	<0.5
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	110	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	170	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	43	<0.5

											Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	0.5	0.05	0.05	0.05	2	0.4
											270	-	-	10	20	240	-	-	160 (Note 1)	20

Ground Surface					Elevation at Sample		Sample Depth	Sample Depth													
Field ID	Date	Sample Area	Material Type	Sample Location	Location (m AHD)	(m bgs)	(m AHD)	Main Grouping	Final/Redundant	Sample Type											
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	9.3	<0.5
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	78	<0.5
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	31	<0.5
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	5.1	<0.5
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	19	<0.5
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	40	<0.5
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	3	<0.5
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	4.5	<0.5
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	22	<0.5
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	5.8	<0.5
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	3	<0.5
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	21	<0.5
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	7.6	<0.5
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	22	<0.5
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	31	<0.5
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	44	<0.5
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	36	<0.5
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	7.8	<0.5
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	7.3	<0.5
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	5.9	<0.5
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	7	<1
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	16	<0.5
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	7	<1
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	23	<0.5
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	20	<0.5
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	8.1	<0.5
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	18	<0.4
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	48	<0.5
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	45	<0.5
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	23	<0.5
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	7.5	<0.5
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	9.8	<0.5
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	9.2	<0.5
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	4.7	<0.5
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	5.7	<0.5
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	-	<0.05	<0.05	<0.05	<0.05	-	<0.05	-	-	3.9	<0.5
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	5	<1
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	<0.05	<0.05	<0.05							

C.1.1 Chemical Results - Final Validation Samples

											Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	0.5	0.05	0.05	0.05	2	0.4
											270	-	-	10	20	240	-	-	160 (Note 1)	20

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.5	<0.5
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.1	<0.5
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4	<0.5
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.5	<0.5
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.3	<0.5
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.4	<0.5
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	0.06	-	-	6.6	<0.5
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.1	<0.5
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.5	<0.5
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.5	<0.5
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2	<0.5
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.6	<0.5
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	<2	<0.5
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.3	<0.5
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.9	<0.5
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<5	<1
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.6	<0.5
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.5	<0.5
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.9	<0.5
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	<0.05	<0.05	<0.05	<0.05	-	<0.05	0.09	0.12	6	<1
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.5	<0.5
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.9	<0.5
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.8	<0.5
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.6	<0.5
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.9	<0.5
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.6	<0.5
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.3	<0.5
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.7	<0.5
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.1	<0.5
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.8	<0.5
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.1	<0.5
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.7	<0.5
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8	<0.5
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<5	<1
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.6	<0.5
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.8	<0.5
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4	<0.5
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.7	<0.5
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5	<0.5
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.6	<0.5
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.6	<0.5
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	<0.05	<0.05	<0.05	<0.05	-	<0.05	0.3	0.35	<5	<1
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.4	<0.5
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.7	<0.5
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.9	<0.5

C.1.1 Chemical Results - Final Validation Samples

											Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	0.5	0.05	0.05	0.05	2	0.4
											270	-	-	10	20	240	-	-	160 (Note 1)	20

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.9	<0.5
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	<2	<0.5
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.3	<0.5
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	<2	<0.5
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.1	<0.5
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.2	<0.5
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.1	<0.5
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.5	<0.5
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	0.05	-	-	10	<0.5
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.8	<0.5
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.3	<0.5
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.7	<0.5
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.7	<0.5
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.3	<0.5
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.9	<0.5
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.3	<0.5
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8	<0.5
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.8	<0.5
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.7	<0.5
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.4	<0.5
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	<0.05	<0.05	<0.05	<0.05	-	<0.05	0.34	0.38	<5	<1
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	0.05	-	-	9.6	<0.5
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.4	<0.5
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.7	<0.5
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.8	<0.5
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.6	<0.5
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<5	<1
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.7	<0.5
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.6	<0.5
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5.4	<0.5
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.3	<0.5
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.1	<0.5
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	15	<0.5
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	16	<0.5
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	<0.05	<0.05	<0.05	-	<0.05	-	-	15	<0.5
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<5	<1
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.6	<0.5
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.3	<0.5
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.6	<0.5
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	<0.05	<0.05	<0.05	-	<0.05	-	-	4.1	<0.5
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	<5	<1
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.8	<0.5
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	2.7	<0.5
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	3.6	<0.5
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	15	<0.4
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	4.6	<0.4
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	7	<0.4
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	9.3	<0.4
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	5.6	<0.4
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	7.1	<0.4
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	5.6	<0.4
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.5	<0.4

											Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	0.5	0.05	0.05	0.05	2	0.4
											270	-	-	10	20	240	-	-	160 (Note 1)	20

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	6	<1
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	5.1	<0.4
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	9.1	<0.4
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	9.2	<0.4
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	4.4	<0.4
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	<0.05	<0.05	<0.05	<0.5	0.07	-	-	14	<0.4
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	10	<0.4
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	12	<0.4
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.1	<0.4
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	8	<1
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	11	<0.4
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.6	<0.4
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	9.1	<0.4
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	7.4	<0.4
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	3.2	<0.4
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.3	<0.4
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.9	<0.4
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	3.9	<0.4
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	18	<0.4
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	5.4	<0.4
T09_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	2.6	<0.4
T09_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	15	<0.4
T09_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	3.6	<0.4
T10_B	18/10/2023	Trench	Natural Ground	Floor	23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	4.9	<0.4
T10_W1	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	5.2	<0.4
T10_W2	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	11	<0.4
T11_B	18/10/2023	Trench	Natural Ground	Floor	23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.4	<0.4
T11_W1	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.7	<0.4
T11_W2	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	5.5	<0.4
T12_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.1	<0.4
T12_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.2	<0.4
T12_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	6.7	<0.4
T13_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.4	<0.4
T13_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.4	<0.4
T13_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.6	<0.4
T14_B	18/10/2023	Trench	Natural Ground	Floor	24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.2	<0.4
T14_W1	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	7.3	<0.4
T14_W2	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	13	<0.4
T15_B	18/10/2023	Trench	Natural Ground	Floor	25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	13	<0.4
T15_W1	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	8.8	<0.4
T15_W2	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	12	<0.4
T16_B	18/10/2023	Trench	Natural Ground	Floor	25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	12	<0.4
T16_W1	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	11	<0.4
T16_W2	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	32	<0.4
T17-B	26/10/2023	Trench	Natural Ground	Floor	23.8	0.55	23.25	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
T17-W1	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	8.4	<0.5
T17-W2	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.2	<0.5
T18-B	26/10/2023	Trench	Natural Ground	Floor	24	0.55	23.45	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	16	<0.5
T18-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.9	<0.5
T19-B	26/10/2023	Trench	Natural Ground	Floor	24.3	0.4	23.9	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.7	<0.5
T19-W1	26/10/2023	Trench	Natural Ground	Wall	24.3	0.2	24.1	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.6	<0.5
T19-W2	26/10/2023	Trench	Natural Ground	Wall	24.3	0.25	24.05	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
T20-B	26/10/2023	Trench	Natural Ground	Floor	24.1	0.55	23.55	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.2	<0.5
T20-W1	26/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
T20-W2	26/10/2023	Trench	Natural Ground	Wall	24.1	0.15	23.95	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	5	<0.5
T21-B	26/10/2023	Trench	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	17	<0.5
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W1	26/10/2023	Trench	Natural Ground	Wall	24.2	0.25	23.95	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	13	<0.5
T21-W2	26/10/2023	Trench	Natural Ground	Wall	24.2	0.3	23.9	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<

C.1.1 Chemical Results - Final Validation Samples										
	Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium
EQL	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria	0.05	0.05	0.05	0.05	0.5	0.05	0.05	0.05	2	0.4
	270	-	-	10	20	240	-	-	160 (Note 1)	20

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	7.7	<0.5
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	6.3	<0.5
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.8	<0.5
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	14	<0.5
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.8	<0.5
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	20	<0.5
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	9.8	<0.5
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	11	<0.5
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	16	<0.5
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	10	<0.5
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	<0.05	<0.05	<0.05	-	<0.05	-	-	12	<0.5
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	2.4	<0.4
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	2.9	<0.4
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	2.6	<0.4
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	<0.05	0.05	<0.05	<0.5	<0.05	-	-	3.5	<0.4
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	2.4	<0.4
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	<0.05	0.08	<0.05	<0.5	<0.05	-	-	4.1	<0.4
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	4	<0.4
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	3.4	<0.4
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	<0.05	<0.05	<0.05	<0.5	<0.05	-	-	3.3	<0.4

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.1.1 Chemical Results - Final Validation Samples

											Metals									
											Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	Chlorpyrifos-methyl	Demeton-S	Ethoprop
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											1	2	5	5	0.1	2	5	0.05	0.2	0.2
Remediation Criteria											100	12000 (Note 2)	6000	300	40	400	7400	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	29	18	21	0.2	11	64	-	-	-
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	110	17	180	<0.1	32	56	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	170	25	25	<0.1	49	67	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	5.8	13	<5	<0.1	9.1	14	-	-	-
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	180	26	<5	<0.1	57	31	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	96	10	<5	<0.1	24	21	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	-	<5	9.2	<5	<0.1	5.2	10	-	-	-
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	130	29	<5	<0.1	53	28	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	150	26	5.8	<0.1	59	31	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	<5	16	8.9	0.2	5	24	-	-	-
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	62	6.6	<5	<0.1	23	17	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	77	9.2	7.9	<0.1	30	29	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	<5	8.8	<5	<0.1	5.8	14	-	-	-
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	71	9.5	6.3	<0.1	37	28	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	53	7.1	<5	<0.1	23	18	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	-	<5	14	11	<0.1	8.1	31	-	-	-
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	92	16	7.5	<0.1	47	31	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	64	32	33	<0.1	37	260	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	<5	13	9.4	<0.1	7.5	17	-	-	-
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	39	8.9	<5	<0.1	25	21	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	46	8.8	5.9	<0.1	43	36	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	40	6.4	<5	<0.1	31	23	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	-	27	5	<5	<0.1	22	15	<0.05	-	-
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	<5	14	33	<0.1	5.2	160	-	-	-
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	94	18	5.1	<0.1	45	35	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	70	11	<5	<0.1	48	39	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	40	22	230	<0.1	13	190	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	67	11	10	<0.1	36	29	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	50	9.3	8.7	<0.1	24	22	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	15	13	34	<0.1	12	62	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	75	13	<5	<0.1	37	26	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	45	9.1	<5	<0.1	24	23	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	22	29	98	<0.1	9.5	160	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	28	18	87	<0.1	14	96	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	7.7	14	26	<0.1	6.8	48	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	88	15	6.2	<0.1	42	34	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	93	16	7.6	<0.1	43	36	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	18	28	130	<0.1	8.7	170	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	24	21	30	<0.1	16	56	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	95	15	<5	<0.1	45	30	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	66	11	<5	<0.1	31	25	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	22	13	42	<0.1	11	100	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	39	18	48	<0.1	16	70	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	160	22	<5	<0.1	56	32	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	170	21	<5	<0.1	55	32	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	37	31	100	<0.1	14	190	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	180	25	<5	<0.1	58	34	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	180	25	<5	<0.1	63	38	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	42	38	40	<0.1	12	73	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	-	210	25	<5	<0.1	70	38	-	-	-
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	37	24	80	<0.1	15	250	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	140	180	48	<0.1	12	130	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	-	71	21	40	<0.1	23	110	-	-	-
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	230	24	<5	<0.1	61	44	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	55	65	42	<0.1	11	97	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	-	82	35	47	0.1	23	280	-	-	-

											Metals									
											Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	Chlorpyrifos-methyl	Demeton-S	Ethoprop
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											1	2	5	5	0.1	2	5	0.05	0.2	0.2
Remediation Criteria											100	12000 (Note 2)	6000	300	40	400	7400	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface		Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)																
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2		0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	170	14	5.3	<0.1	43	27	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26		0.05	25.95	Boundary	Final	Normal	-	65	46	13	<0.1	13	52	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26		0.2	25.8	Boundary	Final	Normal	-	43	19	8.6	<0.1	14	49	-	-	-
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26		0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	86	9.6	22	<0.1	20	35	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7		0.1	26.6	Boundary	Final	Normal	-	29	17	130	<0.1	12	220	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7		0.35	26.35	Boundary	Final	Normal	-	23	22	42	<0.1	9.2	150	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7		0.5	26.2	Boundary	Final	Normal	-	76	14	5.7	<0.1	34	29	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7		0.7	26	Boundary	Final	Normal	-	85	15	9	<0.1	35	34	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6		0.1	26.5	Boundary	Final	Normal	-	32	19	160	<0.1	14	250	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6		0.3	26.3	Boundary	Final	Normal	-	39	25	95	<0.1	16	140	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6		0.4	26.2	Boundary	Final	Normal	-	140	23	8.4	<0.1	57	38	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6		0.6	26	Boundary	Final	Normal	-	86	14	5.6	<0.1	34	24	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26		0.1	25.9	Boundary	Final	Normal	-	26	21	200	<0.1	13	270	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26		0.5	25.5	Boundary	Final	Normal	-	36	22	74	<0.1	17	94	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26		0.6	25.4	Boundary	Final	Normal	-	46	7.7	9	<0.1	19	24	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26		0.65	25.35	Boundary	Final	Normal	-	53	11	22	<0.1	21	36	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6		0.1	25.5	Boundary	Final	Normal	-	26	20	190	<0.1	16	290	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6		0.5	25.1	Boundary	Final	Normal	-	16	46	140	<0.1	14	180	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6		0.6	25	Boundary	Final	Normal	-	60	16	190	<0.1	23	91	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6		0.7	24.9	Boundary	Final	Normal	-	80	25	370	<0.1	32	150	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1		0.1	25	Boundary	Final	Normal	-	18	28	160	<0.1	12	230	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1		0.3	24.8	Boundary	Final	Normal	-	6.7	43	39	<0.1	12	110	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1		0.45	24.65	Boundary	Final	Normal	-	53	7	12	<0.1	19	26	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5		0.1	24.4	Boundary	Final	Normal	-	35	19	110	<0.1	18	150	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Normal	-	6.6	7.6	94	<0.1	<5	50	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	29	15	49	<0.1	9.7	120	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	11	10	76	<0.1	5	53	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	17	17	81	<0.1	8.7	120	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5		0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	10	15	39	<0.1	6	44	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5		0.7	23.8	Boundary	Final	Normal	-	130	24	52	<0.1	56	100	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5		0.9	23.6	Boundary	Final	Normal	-	70	19	39	<0.1	38	77	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2		0.1	24.1	Boundary	Final	Normal	-	37	23	92	<0.1	16	460	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5		0.2	23.3	Boundary	Final	Normal	-	36	13	57	<0.1	16	150	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4		0.15	23.25	Boundary	Final	Normal	-	68	9.1	39	<0.1	16	62	-	-	-
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5		0.15	23.35	Boundary	Final	Normal	-	120	30	14	<0.1	83	68	-	-	-
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6		0.15	23.45	Boundary	Final	Normal	-	95	28	35	<0.1	47	130	-	-	-
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8		0.15	23.65	Boundary	Final	Normal	-	65	11	15	<0.1	20	28	-	-	-
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8		0.15	23.65	Boundary	Final	Normal	-	81	9.4	5.8	<0.1	17	15	-	-	-
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	-	70	14	31	<0.1	22	75	-	-	-
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	-	170	19	7.1	<0.1	42	38	-	-	-
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	-	110	6.4	5.8	<0.1	13	26	-	-	-
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9		0.15	23.75	Boundary	Final	Normal	-	96	17	7	<0.1	29	40	-	-	-
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1		0.15	23.95	Boundary	Final	Normal	-	79	19	22	<0.1	27	150	-	-	-
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1		0.15	23.95	Boundary	Final	Duplicate of HSB27	-	66	14	14	<0.1	20	95	-	-	-
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1		0.15	23.95	Boundary	Final	Triplicate of HSB27	-	42	16	20	<0.1	17	133	-	-	-
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7		0.3	24.4	Floor	Final	Normal	-	55	7.9	5.8	<0.1	21	17	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7		0.3	24.4	Floor	Final	Normal	-	77	6.9	<5	<0.1	21	15	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5		0.3	24.2	Floor	Final	Normal	-	91	12	5.1	<0.1	33	20	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5		0.3	24.2	Floor	Final	Normal	-	69	10	5.1	<0.1	22	15	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3		0.1	23.2	Floor	Final	Normal	-	99	34	<5	<0.1	29	26	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3		0.15	23.15	Floor	Final	Duplicate sample of A1	-	120	30	<5	<0.1	32	28	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3		0.15	23.15	Floor	Final	Duplicate sample of A1	-	120	27	5	<0.1	32	28	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3		0.15	23.15	Floor	Final	Triplicate sample of A1	-	56	22	<5	<0.1	14	13	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4		0.1	23.3	Floor	Final	Normal	-	82	17	12	<0.1	29	26	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3		0.1	23.2	Floor	Final	Normal	-	130	22	16	<0.1	36	36	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5		0.1	23.4	Floor	Final	Normal	-	86	10	11	<0.1	23	26	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3		0.1	23.2	Floor	Final	Normal	-	130	23	9.9	<0.1	37	31	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6		0.1	23.5	Floor	Final	Normal	-	130	18	12	<0.1	36	42	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8		0.1	23.7	Floor	Final	Normal	-	10								

C.1.1 Chemical Results - Final Validation Samples

											Metals									
											Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	Chlorpyrifos-methyl	Demeton-S	Ethoprop
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											1	2	5	5	0.1	2	5	0.05	0.2	0.2
Remediation Criteria											100	12000 (Note 2)	6000	300	40	400	7400	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	70	40	110	0.2	19	170	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	0.3	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	190	86	<5	<0.1	59	37	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	110	37	10	<0.1	38	35	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	87	14	11	<0.1	25	31	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	89	13	7.7	<0.1	29	31	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	120	13	6	<0.1	31	25	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	77	11	<5	<0.1	14	21	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	78	11	13	<0.1	18	43	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	100	25	19	<0.1	27	60	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	79	8.8	<5	<0.1	17	16	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	94	15	14	<0.1	34	49	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	110	35	<5	<0.1	33	26	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	120	33	<5	<0.1	32	21	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	47	<5	5.7	<0.1	15	15	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	49	9.1	22	<0.1	18	36	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	120	16	9.2	<0.1	51	30	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	35	<5	9	<0.1	9	10	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	30	5.8	13	<0.1	6.8	20	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	72	17	41	<0.1	24	74	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	100	20	18	<0.1	26	48	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	130	17	9.6	<0.1	34	36	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	120	18	15	<0.1	33	40	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	140	22	7.1	<0.1	41	42	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	67	15	15	<0.1	24	37	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	110	20	22	<0.1	35	59	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	110	14	16	<0.1	26	47	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	46	9.1	43	5.7	9.7	69	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	3.8	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	64	8.2	7.2	<0.1	23	23	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	47	5.4	8	<0.1	15	43	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	100	13	9.2	<0.1	40	46	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	150	20	7.3	<0.1	70	42	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	110	16	6.2	<0.1	46	25	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	88	12	5.3	<0.1	21	20	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	110	17	27	<0.1	28	79	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	190	23	<5	<0.1	60	42	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	110	20	50	<0.1	28	120	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	38	18	50	0.1	13	230	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	0.1	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	47	18	54	0.1	16	210	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	81	22	34	<0.1	27	120	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	41	13	31	<0.1	11	100	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	71	11	12	<0.1	38	45	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	130	20	5.8	<0.1	95	53	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	66	19	30	<0.1	34	78	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	130	15	14	<0.1	43	48	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	73	14	10	<0.1	21	25	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	67	7.1	<5	<0.1	20	16	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	68	5.9	<5	<0.1	18	15	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	38	7	8	<0.1	13	15	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	120	22	<5	<0.1	35	26	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	120	20	12	<0.1	31	44	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	91	15	11	<0.1	26	41	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	38	7.4	10	<0.1	7.8	30	-	-	-

C.1.1 Chemical Results - Final Validation Samples

											Metals									
											Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	Chlorpyrifos-methyl	Demeton-S	Ethoprop
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											1	2	5	5	0.1	2	5	0.05	0.2	0.2
Remediation Criteria											100	12000 (Note 2)	6000	300	40	400	7400	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	86	17	14	<0.1	20	50	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	74	9.6	6.2	<0.1	20	34	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	83	26	5.7	<0.1	35	36	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	57	8.1	<5	<0.1	27	21	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	69	9.2	6.3	<0.1	29	23	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	61	13	20	<0.1	22	34	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	79	8.1	<5	<0.1	24	21	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	91	16	13	<0.1	25	34	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	100	16	77	<0.1	28	50	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	62	13	16	<0.1	16	43	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	150	22	8.2	<0.1	34	40	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	53	8.8	10	<0.1	25	36	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	89	16	<5	<0.1	44	31	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	130	56	<5	<0.1	39	38	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	88	19	22	<0.1	39	54	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	70	10	8.6	<0.1	26	35	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	84	17	23	<0.1	31	69	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	91	23	14	<0.1	30	47	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	100	20	11	<0.1	37	63	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	87	25	11	<0.1	27	45	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	48	25	7	<0.1	15	25	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	110	22	6.7	<0.1	25	31	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	130	34	7.5	<0.1	29	36	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	140	16	<5	<0.1	41	32	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	85	18	21	<0.1	36	350	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	73	14	13	<0.1	36	46	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	88	16	12	<0.1	44	50	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	35	11	18	<0.1	17	87	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	41	12	5.4	<0.1	26	90	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	43	8	6.8	<0.1	21	33	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	50	9.3	16	<0.1	28	50	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	71	11	9.1	<0.1	33	29	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	76	13	68	0.1	26	110	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	74	9.4	8.9	<0.1	20	32	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	87	14	9.7	0.1	21	28	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	130	18	13	<0.1	29	48	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	160	17	<5	<0.1	32	34	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	<1	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	140	15	9.4	<0.1	33	46	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	85	14	<5	<0.1	19	18	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	180	27	13	<0.1	61	61	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	<1	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	71	11	<5	<0.1	30	19	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	77	12	5.1	<0.1	32	19	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	67	15	13	<0.1	37	29	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	130	21	5.2	<0.1	72	42	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	58	11	<5	<0.1	36	16	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	130	20	<5	<0.1	65	34	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	120	18	5.3	<0.1	60	30	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	77	15	13	<0.1	35	59	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	86	23	61	<0.1	30	130	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	96	14	19	<0.1	19	45	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	110	22	<5	<0.1	52	35	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	71	20	26	<0.1	21	68	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	81	10	<5	<0.1	18	23	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	100	20	<5	<0.1	48	30	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	78	17	<5	<0.1	25	23	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	97	20	<5	<0.1	33	31	-	-	-

												Metals									
												Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	Chlorpyrifos-methyl	Demeton-S	Ethoprop
												mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL												1	2	5	5	0.1	2	5	0.05	0.2	0.2
Remediation Criteria												100	12000 (Note 2)	6000	300	40	400	7400	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type											
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	-	96	16	<5	<0.1	25	27	-	-	-	
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	79	12	<5	<0.1	24	27	-	-	-	
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	120	23	6.4	<0.1	44	67	-	-	-	
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	120	24	<5	<0.1	49	30	-	-	-	
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	45	6.6	<5	<0.1	13	18	-	-	-	
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	130	11	13	<0.1	26	47	-	-	-	
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	95	19	<5	<0.1	29	26	-	-	-	
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	110	13	<5	<0.1	24	24	-	-	-	
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	62	11	10	<0.1	20	30	-	-	-	
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	-	71	11	17	<0.1	22	45	-	-	-	
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	96	17	25	<0.1	28	43	-	-	-	
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	79	13	7.8	<0.1	22	24	-	-	-	
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	92	12	<5	<0.1	19	14	-	-	-	
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	68	11	<5	<0.1	17	12	-	-	-	
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	47	12	<5	<0.1	27	15	-	-	-	
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	57	13	23	<0.1	25	48	-	-	-	
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	67	15	5.5	<0.1	29	16	-	-	-	
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	55	13	<5	<0.1	27	19	-	-	-	
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	100	25	7	<0.1	74	81	-	-	-	
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	92	16	5.7	<0.1	38	24	-	-	-	
T09_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	85	18	<5	<0.1	40	24	-	-	-	
T09_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	140	27	17	<0.1	57	76	-	-	-	
T09_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	110	19	<5	<0.1	57	20	-	-	-	
T10_B	18/10/2023	Trench	Natural Ground	Floor	23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	73	17	<5	<0.1	37	30	-	-	-	
T10_W1	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	100	21	<5	<0.1	50	31	-	-	-	
T10_W2	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	90	21	18	<0.1	39	63	-	-	-	
T11_B	18/10/2023	Trench	Natural Ground	Floor	23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	89	21	<5	<0.1	43	35	-	-	-	
T11_W1	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	120	20	<5	<0.1	35	27	-	-	-	
T11_W2	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	99	23	<5	<0.1	34	30	-	-	-	
T12_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	120	24	<5	<0.1	55	40	-	-	-	
T12_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	110	21	<5	<0.1	48	31	-	-	-	
T12_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	130	22	<5	<0.1	57	30	-	-	-	
T13_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	120	22	59	<0.1	45	70	-	-	-	
T13_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	130	24	<5	<0.1	54	36	-	-	-	
T13_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	150	25	5.1	<0.1	55	36	-	-	-	
T14_B	18/10/2023	Trench	Natural Ground	Floor	24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	130	23	<5	<0.1	50	33	-	-	-	
T14_W1	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	150	21	<5	<0.1	50	28	-	-	-	
T14_W2	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	160	21	7.5	<0.1	49	32	-	-	-	
T15_B	18/10/2023	Trench	Natural Ground	Floor	25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	170	23	5.1	<0.1	49	35	-	-	-	
T15_W1	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	82	12	27	<0.1	22	48	-	-	-	
T15_W2	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	130	22	5.7	<0.1	48	36	-	-	-	
T16_B	18/10/2023	Trench	Natural Ground	Floor	25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	150	24	<5	<0.1	57	36	-	-	-	
T16_W1	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	150	24	<5	<0.1	59	32	-	-	-	
T16_W2	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	140	16	21	<0.1	40	110	-	-	-	
T17-B	26/10/2023	Trench	Natural Ground	Floor	23.8	0.55	23.25	Trench	Final	Normal	-	190	32	5.5	<0.1	72	54	-	-	-	
T17-W1	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	120	10	7.3	<0.1	20	19	-	-	-	
T17-W2	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	160	28	13	<0.1	50	59	-	-	-	
T18-B	26/10/2023	Trench	Natural Ground	Floor	24	0.55	23.45	Trench	Final	Normal	-	220	31	11	<0.1	73	53	-	-	-	
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.6	23.4	Trench	Final	Normal	<1	-	-	-	-	-	-	-	-	-	
T18-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	160	20	39	<0.1	37	48	-	-	-	
T18-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	140	21	7.6	<0.1	53	31	-	-	-	
T19-B	26/10/2023	Trench	Natural Ground	Floor	24.3	0.4	23.9	Trench	Final	Normal	-	150	24	6.3	<0.1	51	43	-	-	-	
T19-W1	26/10/2023	Trench	Natural Ground	Wall	24.3	0.2	24.1	Trench	Final	Normal	-	140	13	9.2	<0.1	28	36	-	-	-	
T19-W2	26/10/2023	Trench	Natural Ground	Wall	24.3	0.25	24.05	Trench	Final	Normal	-	170	40	90	0.1	57	610	-	-	-	
T20-B	26/10/2023	Trench	Natural Ground	Floor	24.1	0.55	23.55	Trench	Final	Normal	-	140	20	<5	<0.1	38	36	-	-	-	
T20-W1	26/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal	-	160	23	35	<0.1	30	76	-	-	-	
T20-W2	26/10/2023	Trench	Natural Ground	Wall	24.1	0.15	23.95	Trench	Final	Normal	-	76	15	93	<0.1	22	110	-	-	-	
T21-B	26/10/2023	Trench	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	220	34	5.5	<0.1	83	53	-	-	-	
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	<1	-	-	-	-	-	-	-	-	-	
T21-W1	26/10/2023	Trench	Natural Ground	Wall	24.2	0.25	23.95	Trench	Final	Normal	-	170	22	5.1	<0.1	51	33	-	-	-	
T21-W2	26/10/2023	Trench	Natural Ground	Wall	24.2	0.3	23.9	Trench	Final	Normal	-	170	22	<5	<0.1	46	26	-	-	-	

											Metals									
											Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel	Zinc	Chlorpyrifos-methyl	Demeton-S	Ethoprop
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											1	2	5	5	0.1	2	5	0.05	0.2	0.2
Remediation Criteria											100	12000 (Note 2)	6000	300	40	400	7400	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth	Sample Depth	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)						(m bgs)	(m AHD)								
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	160	22	<5	<0.1	47	39	-	-	-
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	<1	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	150	19	17	<0.1	44	53	-	-	-
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	110	9.9	<5	<0.1	21	22	-	-	-
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	130	23	<5	<0.1	49	35	-	-	-
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	140	19	<5	<0.1	44	25	-	-	-
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	140	24	<5	<0.1	49	33	-	-	-
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	140	25	<5	<0.1	43	36	-	-	-
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	170	24	<5	<0.1	45	32	-	-	-
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	150	24	7.8	<0.1	44	46	-	-	-
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	42	23	72	<0.1	18	140	-	-	-
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	110	12	5.6	<0.1	19	22	-	-	-
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	130	9.7	5.6	<0.1	22	21	-	-	-
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	170	25	5.6	<0.1	66	39	-	-	-
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	<1	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	94	9.3	<5	<0.1	17	16	-	-	-
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	150	23	<5	<0.1	49	28	-	-	-
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	68	9.6	5.2	<0.1	26	16	-	-	-
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	96	16	5.5	<0.1	46	25	-	-	-
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	89	8.6	<5	<0.1	25	14	-	-	-
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	90	15	6.9	<0.1	40	36	-	-	-
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	63	5.5	<5	<0.1	18	14	-	-	-
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	39	9.4	27	<0.1	19	50	-	-	-
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	100	18	<5	<0.1	43	25	-	-	-
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	97	15	5.2	<0.1	34	20	-	-	-
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	96	14	<5	<0.1	29	20	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

											Fenitrothion	Fensulfotthion	Malathion	Merphos	Omethoate	Pyrazophos	Terbufos	Tokuthion	Azinophos methyl	Bolstar (Suprofos)
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.2	0.2	0.05	0.2	2	0.2	0.2	0.2	0.05	0.2

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	-	-	-	-	-	-	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	-	-	<0.05	-	-	-	-	<0.05	-	-
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-

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Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type											
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	-	-	-	-	-	-	-	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	-	-	-	-	-	-	-	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	-	-	-	-	-	-	-	-	-	-	-
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	-	-	-	-	-	-	-	-	-	-	-
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	-	-	-	-	-	-	-	-	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6	0.1	23.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-
A9	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-	-

											Fenitrothion	Fensulfotthion	Malathion	Merphos	Omethoate	Pyrazophos	Terbufos	Tokuthion	Azinopbos methyl	Bolstar (Suprofos)
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.2	0.2	0.05	0.2	2	0.2	0.2	0.2	0.05	0.2

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	-	-	-	-	-	-	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	-	-	-	-	-	-	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	-	-	-	-	-	-	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	-	-	-	-	-	-	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Fenitrothion	Fensulfotthion	Malathion	Merphos	Omethoate	Pyrazophos	Terbufos	Tokuthion	Azinoplos methyl	Bolstar (Suprafos)
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.2	0.2	0.05	0.2	2	0.2	0.2	0.2	0.05	0.2

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	-	-	-	-	-	-	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	-	-	-	-	-	-	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	-	-	-	-	-	-	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	-	-	-	-	-	-	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	-	-	-	-	-	-	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	-	-	-	-	-	-	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	-	-	-	-	-	-	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	-	-	-	-	-	-	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	-	-	-	-	-	-	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	-	-	-	-	-	-	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-

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											Fenitrothion	Fensulfotthion	Malathion	Merphos	Omethoate	Pyrazophos	Terbufos	Tokuthion	Azinoplos methyl	Bolstar (Suprofos)
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.2	0.2	0.05	0.2	2	0.2	0.2	0.2	0.05	0.2

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	-	-	-	-	-	-	-	-	-
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	-	-	-	-	-	-	-	-	-
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	-	-	-	-	-	-	-	-	-
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	-	-	-	-	-	-	-	-	-
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	-	-	-	-	-	-	-	-	-
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	-	-	-	-	-	-	-	-	-
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	-	-	-	-	-	-	-	-	-
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	-	-	-	-	-	-	-	-	-
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	-	-	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

											Organophosphorous Pesticides									
											Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	-	-	-	-	-	-	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	<0.05	<0.05	<0.05	<0.05	-	-	<0.05	<0.05	-	<0.05
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Organophosphorous Pesticides									
											Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05
Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	-	-	-	-	-	-	-	-	-	-
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	-	-	-	-	-	-	-	-	-	-
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	-	-	-	-	-	-	-	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6	0.1	23.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A9	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Organophosphorous Pesticides									
											Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	-	-	-	-	-	-	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	-	-	-	-	-	-	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	-	-	-	-	-	-	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	-	-	-	-	-	-	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Organophosphorous Pesticides									
											Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	-	-	-	-	-	-	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	-	-	-	-	-	-	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	-	-	-	-	-	-	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	-	-	-	-	-	-	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	-	-	-	-	-	-	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	-	-	-	-	-	-	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	-	-	-	-	-	-	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	-	-	-	-	-	-	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	-	-	-	-	-	-	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	-	-	-	-	-	-	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-

											Organophosphorous Pesticides									
											Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	-	-	-	-	-	-	-	-	-
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	-	-	-	-	-	-	-	-	-
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	-	-	-	-	-	-	-	-	-
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	-	-	-	-	-	-	-	-	-
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	-	-	-	-	-	-	-	-	-
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	-	-	-	-	-	-	-	-	-
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	-	-	-	-	-	-	-	-	-
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	-	-	-	-	-	-	-	-	-
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	-	-	-	-	-	-	-	-	-
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	-	-	-	-	-	-	-	-	-
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	-	-	-	-	-	-	-	-	-
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	-	-	-	-	-	-	-	-	-
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	-	-	-	-	-	-	-	-	-
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	-	-	-	-	-	-	-	-	-
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	-	-	-	-	-	-	-	-	-
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	-	-	-	-	-	-	-	-	-
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	-	-	-	-	-	-	-	-	-
T09_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	-	-	-	-	-	-	-	-	-
T09_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	-	-	-	-	-	-	-	-	-
T09_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	-	-	-	-	-	-	-	-	-
T10_B	18/10/2023	Trench	Natural Ground	Floor	23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	-	-	-	-	-	-	-	-	-
T10_W1	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	-	-	-	-	-	-	-	-	-
T10_W2	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	-	-	-	-	-	-	-	-	-
T11_B	18/10/2023	Trench	Natural Ground	Floor	23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	-	-	-	-	-	-	-	-	-
T11_W1	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	-	-	-	-	-	-	-	-	-
T11_W2	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	-	-	-	-	-	-	-	-	-
T12_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	-	-	-	-	-	-	-	-	-
T12_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	-	-	-	-	-	-	-	-	-
T12_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	-	-	-	-	-	-	-	-	-
T13_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	-	-	-	-	-	-	-	-	-
T13_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	-	-	-	-	-	-	-	-	-
T13_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	-	-	-	-	-	-	-	-	-
T14_B	18/10/2023	Trench	Natural Ground	Floor	24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	-	-	-	-	-	-	-	-	-
T14_W1	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	-	-	-	-	-	-	-	-	-
T14_W2	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	-	-	-	-	-	-	-	-	-
T15_B	18/10/2023	Trench	Natural Ground	Floor	25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	-	-	-	-	-	-	-	-	-
T15_W1	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	-	-	-	-	-	-	-	-	-
T15_W2	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	-	-	-	-	-	-	-	-	-
T16_B	18/10/2023	Trench	Natural Ground	Floor	25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	-	-	-	-	-	-	-	-	-
T16_W1	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	-	-	-	-	-	-	-	-	-
T16_W2	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	-	-	-	-	-	-	-	-	-
T17-B	26/10/2023	Trench	Natural Ground	Floor	23.8	0.55	23.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W1	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W2	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B	26/10/2023	Trench	Natural Ground	Floor	24	0.55	23.45	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-B	26/10/2023	Trench	Natural Ground	Floor	24.3	0.4	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W1	26/10/2023	Trench	Natural Ground	Wall	24.3	0.2	24.1	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W2	26/10/2023	Trench	Natural Ground	Wall	24.3	0.25	24.05	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-B	26/10/2023	Trench	Natural Ground	Floor	24.1	0.55	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W1	26/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W2	26/10/2023	Trench	Natural Ground	Wall	24.1	0.15	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B	26/10/2023	Trench	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W1	26/10/2023	Trench	Natural Ground	Wall	24.2	0.25	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W2	26/10/2023	Trench	Natural Ground	Wall	24.2	0.3	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Organophosphorous Pesticides									
											Bromophos-ethyl	Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	-	-	-	-	-	-	-	-	-
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	-	-	-	-	-	-	-	-	-
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	-	-	-	-	-	-	-	-	-
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	-	-	-	-	-	-	-	-	-
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	-	-	-	-	-	-	-	-	-
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	-	-	-	-	-	-	-	-	-
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	-	-	-	-	-	-	-	-	-
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	-	-	-	-	-	-	-	-	-
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	-	-	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.1.1 Chemical Results - Final Validation Samples

[illegible]

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface		Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)																
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.7	27	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		0.75	26.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.7	27	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.8	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7		1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	-	-	-	-	-	-	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7		1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	<0.05	<0.05	-	<0.2	-	<0.2	-	<0.2	-	-
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7		0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7		1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7		1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7		0.45	26.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7		0.8	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7		0.55	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2		0.4	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2		1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2		0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2		0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2		0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2		0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3		0.4	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3		1	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3		0.7	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3		0.1	27.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2		0.3	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2		1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2		0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2		0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8		0.9	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8		1.1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8		0.95	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5		0.95	26.55	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5		1.1	26.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5		1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1		0.05	27.05	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1		0.2	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1		0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8		0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8		0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8		0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8		0.2	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8		0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2		0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2		0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2		0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2		0.2	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Ethion	Fenthion	EPN	Methyl parathion	Mevinphos (Phosdrin)	Monocrotophos	Naled (Dibrom)	Parathion	Phorate	Priniphos-methyl
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.05	0.05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Remediation Criteria											-	-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	-	-	-	-	-	-	-	-	-	-
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	-	-	-	-	-	-	-	-	-	-
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	-	-	-	-	-	-	-	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6	0.1	23.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A9	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Ethion	Fenthion	EPN	Methyl parathion	Mevinphos (Phosdm)	Monocrotophos	Naled (Dbrom)	Parathion	Phorate	Pirimphos-methyl
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth	Sample Depth	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)		(m bgs)	(m AHD)												
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	-	-	-	-	-	-	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	-	-	-	-	-	-	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	-	-	-	-	-	-	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	-	-	-	-	-	-	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Ethion	Fenthion	EPN	Methyl parathion	Mevinphos (Phosdm)	Monocrotophos	Naled (Dbrom)	Parathion	Phorate	Pirimphos-methyl
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.05	0.05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	-	-	-	-	-	-	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	-	-	-	-	-	-	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	-	-	-	-	-	-	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	-	-	-	-	-	-	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	-	-	-	-	-	-	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	-	-	-	-	-	-	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	-	-	-	-	-	-	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	-	-	-	-	-	-	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	-	-	-	-	-	-	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	-	-	-	-	-	-	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-

C.1.1 Chemical Results - Final Validation Samples

[illegible]

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type											
					Elevation at Sample Location (m AHD)																
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor		24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-
T03_W1	18/10/2023	Trench	Natural Ground	Wall		23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	-	-	-	-	-	-	-	-	-
T03_W2	18/10/2023	Trench	Natural Ground	Wall		23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	-	-	-	-	-	-	-	-	-
T04_B	18/10/2023	Trench	Natural Ground	Floor		23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	-	-	-	-	-	-	-	-	-
T04_W1	18/10/2023	Trench	Natural Ground	Wall		23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	-	-	-	-	-	-	-	-	-
T04_W2	18/10/2023	Trench	Natural Ground	Wall		23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	-	-	-	-	-	-	-	-	-
T05_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	-	-	-	-	-	-	-	-	-
T05_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	-	-	-	-	-	-	-	-	-
QC103	18/10/2023	Trench DUP	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
T05_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	-	-	-	-	-	-	-	-	-
T06_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	-	-	-	-	-	-	-	-	-
T06_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	-	-	-	-	-	-	-	-	-
T06_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	-	-	-	-	-	-	-	-	-
T07_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	-	-	-	-	-	-	-	-	-
T07_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	-	-	-	-	-	-	-	-	-
T07_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	-	-	-	-	-	-	-	-	-
T08_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	-	-	-	-	-	-	-	-	-
T08_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	-	-	-	-	-	-	-	-	-
T08_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	-	-	-	-	-	-	-	-	-
T09_B	18/10/2023	Trench	Natural Ground	Floor		23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	-	-	-	-	-	-	-	-	-
T09_W1	18/10/2023	Trench	Natural Ground	Wall		23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	-	-	-	-	-	-	-	-	-
T09_W2	18/10/2023	Trench	Natural Ground	Wall		23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	-	-	-	-	-	-	-	-	-
T10_B	18/10/2023	Trench	Natural Ground	Floor		23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	-	-	-	-	-	-	-	-	-
T10_W1	18/10/2023	Trench	Natural Ground	Wall		23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	-	-	-	-	-	-	-	-	-
T10_W2	18/10/2023	Trench	Natural Ground	Wall		23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	-	-	-	-	-	-	-	-	-
T11_B	18/10/2023	Trench	Natural Ground	Floor		23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	-	-	-	-	-	-	-	-	-
T11_W1	18/10/2023	Trench	Natural Ground	Wall		23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	-	-	-	-	-	-	-	-	-
T11_W2	18/10/2023	Trench	Natural Ground	Wall		23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	-	-	-	-	-	-	-	-	-
T12_B	18/10/2023	Trench	Natural Ground	Floor		23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	-	-	-	-	-	-	-	-	-
T12_W1	18/10/2023	Trench	Natural Ground	Wall		23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	-	-	-	-	-	-	-	-	-
T12_W2	18/10/2023	Trench	Natural Ground	Wall		23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	-	-	-	-	-	-	-	-	-
T13_B	18/10/2023	Trench	Natural Ground	Floor		24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	-	-	-	-	-	-	-	-	-
T13_W1	18/10/2023	Trench	Natural Ground	Wall		24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	-	-	-	-	-	-	-	-	-
T13_W2	18/10/2023	Trench	Natural Ground	Wall		24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	-	-	-	-	-	-	-	-	-
T14_B	18/10/2023	Trench	Natural Ground	Floor		24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	-	-	-	-	-	-	-	-	-
T14_W1	18/10/2023	Trench	Natural Ground	Wall		24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	-	-	-	-	-	-	-	-	-
T14_W2	18/10/2023	Trench	Natural Ground	Wall		24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	-	-	-	-	-	-	-	-	-
T15_B	18/10/2023	Trench	Natural Ground	Floor		25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	-	-	-	-	-	-	-	-	-
T15_W1	18/10/2023	Trench	Natural Ground	Wall		25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	-	-	-	-	-	-	-	-	-
T15_W2	18/10/2023	Trench	Natural Ground	Wall		25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	-	-	-	-	-	-	-	-	-
T16_B	18/10/2023	Trench	Natural Ground	Floor		25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	-	-	-	-	-	-	-	-	-
T16_W1	18/10/2023	Trench	Natural Ground	Wall		25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	-	-	-	-	-	-	-	-	-
T16_W2	18/10/2023	Trench	Natural Ground	Wall		25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	-	-	-	-	-	-	-	-	-
T17-B	26/10/2023	Trench	Natural Ground	Floor		23.8	0.55	23.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W1	26/10/2023	Trench	Natural Ground	Wall		23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W2	26/10/2023	Trench	Natural Ground	Wall		23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B	26/10/2023	Trench	Natural Ground	Floor		24	0.55	23.45	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor		24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall		24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W2	26/10/2023	Trench	Natural Ground	Wall		24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-B	26/10/2023	Trench	Natural Ground	Floor		24.3	0.4	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W1	26/10/2023	Trench	Natural Ground	Wall		24.3	0.2	24.1	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W2	26/10/2023	Trench	Natural Ground	Wall		24.3	0.25	24.05	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-B	26/10/2023	Trench	Natural Ground	Floor		24.1	0.55	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W1	26/10/2023	Trench	Natural Ground	Wall		24.1	0.2	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W2	26/10/2023	Trench	Natural Ground	Wall		24.1	0.15	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B	26/10/2023	Trench	Natural Ground	Floor		24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor		24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W1	26/10/2023	Trench	Natural Ground	Wall		24.2	0.25	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W2	26/10/2023	Trench	Natural Ground	Wall		24.2	0.3	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-

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											Prothiophos		Rotenone		Trichloronate		Tetrachloroniphos		Acenaphthene	
											mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
											0.05		0.2		0.2		0.2		0.5	
EQL											-		-		-		-		-	
Remediation Criteria											-		-		-		-		-	

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	-	-	-	-	-	-	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	<0.05	-	-	-	-	-	-	-	-	-
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

											Prothiofos									
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
EQL											-	-	-	-	-	-	-	-	-	-
Remediation Criteria											-	-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	-	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	-	-	-	-	-	-	-	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6	0.1	23.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A9	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Prothiós									
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
EQL											-	-	-	-	-	-	-	-	-	-
Remediation Criteria											-	-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth	Sample Depth	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)		(m AHD)													
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	-	-	-	-	-	-	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	-	-	-	-	-	-	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	-	-	-	-	-	-	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	-	-	-	-	-	-	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Prothiós									
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
EQL											-	-	-	-	-	-	-	-	-	-
Remediation Criteria											-	-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	-	-	-	-	-	-	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	-	-	-	-	-	-	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	-	-	-	-	-	-	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	-	-	-	-	-	-	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	-	-	-	-	-	-	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	-	-	-	-	-	-	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	-	-	-	-	-	-	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	-	-	-	-	-	-	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	-	-	-	-	-	-	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	-	-	-	-	-	-	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-

											Prothiotos									
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
											0.05	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
EQL											-	-	-	-	-	-	-	-	-	-
Remediation Criteria											-	-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface	Sample Depth	Sample Depth	Main Grouping	Final/Redundant	Sample Type										
					Elevation at Sample Location (m AHD)		(m bgs)	(m AHD)												
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	-	-	-	-	-	-	-	-	-
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	-	-	-	-	-	-	-	-	-
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	-	-	-	-	-	-	-	-	-
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	-	-	-	-	-	-	-	-	-
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	-	-	-	-	-	-	-	-	-
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	-	-	-	-	-	-	-	-	-
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	-	-	-	-	-	-	-	-	-
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	-	-	-	-	-	-	-	-	-
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	-	-	-	-	-	-	-	-	-
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	-	-	-	-	-	-	-	-	-
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	-	-	-	-	-	-	-	-	-
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	-	-	-	-	-	-	-	-	-
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	-	-	-	-	-	-	-	-	-
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	-	-	-	-	-	-	-	-	-
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	-	-	-	-	-	-	-	-	-
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	-	-	-	-	-	-	-	-	-
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	-	-	-	-	-	-	-	-	-
T09_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	-	-	-	-	-	-	-	-	-
T09_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	-	-	-	-	-	-	-	-	-
T09_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	-	-	-	-	-	-	-	-	-
T10_B	18/10/2023	Trench	Natural Ground	Floor	23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	-	-	-	-	-	-	-	-	-
T10_W1	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	-	-	-	-	-	-	-	-	-
T10_W2	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	-	-	-	-	-	-	-	-	-
T11_B	18/10/2023	Trench	Natural Ground	Floor	23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	-	-	-	-	-	-	-	-	-
T11_W1	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	-	-	-	-	-	-	-	-	-
T11_W2	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	-	-	-	-	-	-	-	-	-
T12_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	-	-	-	-	-	-	-	-	-
T12_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	-	-	-	-	-	-	-	-	-
T12_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	-	-	-	-	-	-	-	-	-
T13_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	-	-	-	-	-	-	-	-	-
T13_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	-	-	-	-	-	-	-	-	-
T13_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	-	-	-	-	-	-	-	-	-
T14_B	18/10/2023	Trench	Natural Ground	Floor	24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	-	-	-	-	-	-	-	-	-
T14_W1	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	-	-	-	-	-	-	-	-	-
T14_W2	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	-	-	-	-	-	-	-	-	-
T15_B	18/10/2023	Trench	Natural Ground	Floor	25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	-	-	-	-	-	-	-	-	-
T15_W1	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	-	-	-	-	-	-	-	-	-
T15_W2	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	-	-	-	-	-	-	-	-	-
T16_B	18/10/2023	Trench	Natural Ground	Floor	25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	-	-	-	-	-	-	-	-	-
T16_W1	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	-	-	-	-	-	-	-	-	-
T16_W2	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	-	-	-	-	-	-	-	-	-
T17-B	26/10/2023	Trench	Natural Ground	Floor	23.8	0.55	23.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W1	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W2	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B	26/10/2023	Trench	Natural Ground	Floor	24	0.55	23.45	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-B	26/10/2023	Trench	Natural Ground	Floor	24.3	0.4	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W1	26/10/2023	Trench	Natural Ground	Wall	24.3	0.2	24.1	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W2	26/10/2023	Trench	Natural Ground	Wall	24.3	0.25	24.05	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-B	26/10/2023	Trench	Natural Ground	Floor	24.1	0.55	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W1	26/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W2	26/10/2023	Trench	Natural Ground	Wall	24.1	0.15	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B	26/10/2023	Trench	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W1	26/10/2023	Trench	Natural Ground	Wall	24.2	0.25	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W2	26/10/2023	Trench	Natural Ground	Wall	24.2	0.3	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Prothiofos		Ronnel		Trichloronate		Tetrachloro/niphos		Acenaphthene	
											mg/kg		mg/kg		mg/kg		mg/kg		mg/kg	
											0.05		0.2		0.2		0.2		0.5	
											-		-		-		-		-	
EQL																				
Remediation Criteria											-		-		-		-		-	

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	-	-	-	-	-	-	-	-	-
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	-	-	-	-	-	-	-	-	-
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	-	-	-	-	-	-	-	-	-
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	-	-	-	-	-	-	-	-	-
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	-	-	-	-	-	-	-	-	-
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	-	-	-	-	-	-	-	-	-
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	-	-	-	-	-	-	-	-	-
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	-	-	-	-	-	-	-	-	-
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	-	-	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

											Polycyclic Aromatic Hydrocarbons									
											Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Indeno(1,2,3-c,d)pyrene
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											-	-	-	300	-	3	3	3	-	-
Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	-	-	-	-	-	-	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	-	-	-	-	-	-	-	-	-	-
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5

											Polycyclic Aromatic Hydrocarbons									
											Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Indeno(1,2,3-c,d)pyrene
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.5	0.5	0.5	0.5	0.5	3	3	3	-	-
Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	-	-	-	-	-	-	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	-	-	-	-	-	-	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6	<0.5	<0.5	<0.5
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	-	-	-	-	-	-	-	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6	0.1	23.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A9	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Polycyclic Aromatic Hydrocarbons									
											Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Indeno(1,2,3-c,d)pyrene
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	-	-	-	-	-	-	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	-	-	-	-	-	-	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	-	-	-	-	-	-	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	-	-	-	-	-	-	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Polycyclic Aromatic Hydrocarbons									
											Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Indeno(1,2,3-c,d)pyrene
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.5	0.5	0.5	300	0.5	3	3	3	0.5	0.5

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	-	-	-	-	-	-	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	-	-	-	-	-	-	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	-	-	-	-	-	-	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	-	-	-	-	-	-	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	-	-	-	-	-	-	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	-	-	-	-	-	-	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	-	-	-	-	-	-	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	-	-	-	-	-	-	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	-	-	-	-	-	-	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	-	-	-	-	-	-	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-

											Polycyclic Aromatic Hydrocarbons									
											Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Indeno(1,2,3-c,d)pyrene
EQL											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria											0.5	0.5	0.5	300	0.5	3	3	3	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	-	-	-	-	-	-	-	-	-	-
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	-	-	-	-	-	-	-	-	-
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	-	-	-	-	-	-	-	-	-
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	-	-	-	-	-	-	-	-	-
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	-	-	-	-	-	-	-	-	-
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	-	-	-	-	-	-	-	-	-
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	-	-	-	-	-	-	-	-	-
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	-	-	-	-	-	-	-	-	-
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	-	-	-	-	-	-	-	-	-	-
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	-	-	-	-	-	-	-	-	-
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	-	-	-	-	-	-	-	-	-
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	-	-	-	-	-	-	-	-	-
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	-	-	-	-	-	-	-	-	-
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	-	-	-	-	-	-	-	-	-
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	-	-	-	-	-	-	-	-	-
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	-	-	-	-	-	-	-	-	-
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	-	-	-	-	-	-	-	-	-
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	-	-	-	-	-	-	-	-	-
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	-	-	-	-	-	-	-	-	-
T09_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	-	-	-	-	-	-	-	-	-
T09_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	-	-	-	-	-	-	-	-	-
T09_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	-	-	-	-	-	-	-	-	-
T10_B	18/10/2023	Trench	Natural Ground	Floor	23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	-	-	-	-	-	-	-	-	-
T10_W1	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	-	-	-	-	-	-	-	-	-
T10_W2	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	-	-	-	-	-	-	-	-	-
T11_B	18/10/2023	Trench	Natural Ground	Floor	23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	-	-	-	-	-	-	-	-	-
T11_W1	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	-	-	-	-	-	-	-	-	-
T11_W2	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	-	-	-	-	-	-	-	-	-
T12_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	-	-	-	-	-	-	-	-	-
T12_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	-	-	-	-	-	-	-	-	-
T12_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	-	-	-	-	-	-	-	-	-
T13_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	-	-	-	-	-	-	-	-	-
T13_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	-	-	-	-	-	-	-	-	-
T13_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	-	-	-	-	-	-	-	-	-
T14_B	18/10/2023	Trench	Natural Ground	Floor	24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	-	-	-	-	-	-	-	-	-
T14_W1	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	-	-	-	-	-	-	-	-	-
T14_W2	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	-	-	-	-	-	-	-	-	-
T15_B	18/10/2023	Trench	Natural Ground	Floor	25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	-	-	-	-	-	-	-	-	-
T15_W1	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	-	-	-	-	-	-	-	-	-
T15_W2	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	-	-	-	-	-	-	-	-	-
T16_B	18/10/2023	Trench	Natural Ground	Floor	25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	-	-	-	-	-	-	-	-	-
T16_W1	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	-	-	-	-	-	-	-	-	-
T16_W2	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	-	-	-	-	-	-	-	-	-
T17-B	26/10/2023	Trench	Natural Ground	Floor	23.8	0.55	23.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W1	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T17-W2	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B	26/10/2023	Trench	Natural Ground	Floor	24	0.55	23.45	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T18-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-B	26/10/2023	Trench	Natural Ground	Floor	24.3	0.4	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W1	26/10/2023	Trench	Natural Ground	Wall	24.3	0.2	24.1	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T19-W2	26/10/2023	Trench	Natural Ground	Wall	24.3	0.25	24.05	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-B	26/10/2023	Trench	Natural Ground	Floor	24.1	0.55	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W1	26/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T20-W2	26/10/2023	Trench	Natural Ground	Wall	24.1	0.15	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B	26/10/2023	Trench	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W1	26/10/2023	Trench	Natural Ground	Wall	24.2	0.25	23.95	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T21-W2	26/10/2023	Trench	Natural Ground	Wall	24.2	0.3	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-

											Polycyclic Aromatic Hydrocarbons									
											Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(g,h,i)perylene	Indeno(1,2,3-c,d)pyrene
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Remediation Criteria											-	-	-	300	-	3	3	3	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type										
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-	-	-	-
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	-	-	-	-	-	-	-	-	-
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	-	-	-	-	-	-	-	-	-
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	-	-	-	-	-	-	-	-	-
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	-	-	-	-	-	-	-	-	-
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	-	-	-	-	-	-	-	-	-
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	-	-	-	-	-	-	-	-	-
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	-	-	-	-	-	-	-	-	-
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	-	-	-	-	-	-	-	-	-
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	-	-	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

					Pesticides		
	Pyrene	Naphthalene	Benzo(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos	Pirimphos-ethyl
EQL	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria	0.5	0.5	0.5	0.5	0.05	0.05	0.05
	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type							
HS01_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS01_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-
HS01_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.75	26.95	Boundary	Final	Normal	-	-	-	-	-	-	-
HS02_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.7	27	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS02_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS02_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.85	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-
HS03_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.8	26.9	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS03_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS03_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-
HS04_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.85	26.85	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS04_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS04_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.9	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-
HS05_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS05_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS05_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	0.95	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-
HS06_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	1	26.7	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS06_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HS06_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS07_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.95	26.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS07_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.2	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HS07_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
QC03_230912	12/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Duplicate sample of HS07_NW_230912	-	-	-	-	-	-	-
QC04_230912	12/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.7	1.1	26.6	Boundary	Final	Triplicate sample of HS07_NW_230912	-	-	-	-	<0.05	<0.05	<0.05
HS08_ASH_230912	12/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.7	0.9	26.8	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HS08_F_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.7	1.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS08_NW_230912	12/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.7	1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-
HS09_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	26.7	0.45	26.25	Boundary	Final	Normal	-	-	-	-	-	-	-
HS09_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	26.7	0.8	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-
HS09_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	26.7	0.55	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.4	26.8	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-
QC01-230918	18/09/2023	Headfort Street Boundary DUP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Duplicate sample of HS10_NW_230918	-	-	-	-	-	-	-
QC02_230918	18/09/2023	Headfort Street Boundary TRIP	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Triplicate sample of HS10_NW_230918	-	-	-	-	-	-	-
HS10_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10A_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.3	0.4	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10A_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.3	1	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10A_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.3	0.7	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10A_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.3	0.1	27.2	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10B_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.2	0.3	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10B_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.2	1	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10B_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.2	0.7	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HS10B_TS_230918	18/09/2023	Headfort Street Boundary	Topsoil	Wall	27.2	0.1	27.1	Boundary	Final	Normal	-	-	-	-	-	-	-
HS11_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.8	0.9	26.9	Boundary	Final	Normal	-	-	-	-	-	-	-
HS11_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.8	1.1	26.7	Boundary	Final	Normal	-	-	-	-	-	-	-
HS11_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.8	0.95	26.85	Boundary	Final	Normal	-	-	-	-	-	-	-
HS12_ASH_230918	18/09/2023	Headfort Street Boundary	Ash Fill	Wall	27.5	0.95	26.55	Boundary	Final	Normal	-	-	-	-	-	-	-
HS12_FLOOR_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Floor	27.5	1.1	26.4	Boundary	Final	Normal	-	-	-	-	-	-	-
HS12_NW_230918	18/09/2023	Headfort Street Boundary	Natural Ground	Wall	27.5	1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA01_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	27.1	0.05	27.05	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA01_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	27.1	0.2	26.9	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSA01_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	27.1	0.25	26.85	Boundary	Final	Normal (Sample ID use by lab is HAS01_NW_230920)	-	-	-	-	-	-	-
HSA02_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA02_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.8	0.05	26.75	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA02_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.8	0.2	26.6	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSA02_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.8	0.25	26.55	Boundary	Final	Normal (Sample ID use by lab is HAS02_NW_230920)	-	-	-	-	-	-	-
HSA03_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA03_TS_230920 (Rebatch As	20/09/2023	Eastern Boundary (Rebatch)	Topsoil	Wall	26.2	0.05	26.15	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA03_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26.2	0.2	26	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-

											Pesticides						
											Pyrene	Naphthalene	Benzo(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos	Phospho-ethyl
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.5	0.5	0.5	0.5	0.05	0.05	0.05
Remediation Criteria											-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type							
HSA03_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26.2	0.25	25.95	Boundary	Final	Normal (Sample ID use by lab is HAS03_NW_230920)	-	-	-	-	-	-	-
HSA04_TS_230920	20/09/2023	Eastern Boundary	Topsoil	Wall	26	0.05	25.95	Boundary	Final	Normal	-	-	-	-	-	-	-
HSA04_FILL_230920	20/09/2023	Eastern Boundary	Fill	Wall	26	0.2	25.8	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSA04_NW_230920	20/09/2023	Eastern Boundary	Natural Ground	Wall	26	0.25	25.75	Boundary	Final	Normal (Sample ID use by lab is HAS04_NW_230920)	-	-	-	-	-	-	-
HSB01_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.7	0.1	26.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB01_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.7	0.35	26.35	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB01_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.7	0.5	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB01_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.7	0.7	26	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB02_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26.6	0.1	26.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB02_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26.6	0.3	26.3	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB02_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26.6	0.4	26.2	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB02_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26.6	0.6	26	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB03_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	26	0.1	25.9	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB03_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	26	0.5	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB03_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	26	0.6	25.4	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB03_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	26	0.65	25.35	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB04_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.6	0.1	25.5	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB04_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.6	0.5	25.1	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB04_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	25.6	0.6	25	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB04_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.6	0.7	24.9	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB05_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	25.1	0.1	25	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB05_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	25.1	0.3	24.8	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB05_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	25.1	0.45	24.65	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB06_TS_231016	16/10/2023	Newdegate St Boundary	Topsoil	Wall	24.5	0.1	24.4	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB06_ASH_231016	16/10/2023	Newdegate St Boundary	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Normal	-	-	-	-	-	-	-
QC01_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-
QC02_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-
QC03_DUP_231016	16/10/2023	Newdegate St Boundary DUP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Duplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-
QC04_Trip	16/10/2023	Newdegate St Boundary TRIP	Ash Fill	Wall	24.5	0.55	23.95	Boundary	Final	Triplicate sample of HSB06_ASH_231016	-	-	-	-	-	-	-
HSB06_NW_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.5	0.7	23.8	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB06_F_231016	16/10/2023	Newdegate St Boundary	Natural Ground	Floor	24.5	0.9	23.6	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB07	26/10/2023	Newdegate St Boundary	Natural Ground	Wall	24.2	0.1	24.1	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB08	18/10/2023	Newdegate St Boundary	Natural Ground	Wall	23.5	0.2	23.3	Boundary	Final	Normal	-	-	-	-	-	-	-
HSB18	14/12/2023	Northern Boundary	Natural Ground	Floor	23.4	0.15	23.25	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB19	14/12/2023	Northern Boundary	Natural Ground	Floor	23.5	0.15	23.35	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB20	14/12/2023	Northern Boundary	Natural Ground	Floor	23.6	0.15	23.45	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB21	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB22	14/12/2023	Northern Boundary	Natural Ground	Floor	23.8	0.15	23.65	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB23	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB24	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB25	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB26	14/12/2023	Northern Boundary	Natural Ground	Floor	23.9	0.15	23.75	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
HSB27	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Normal	<0.5	<0.5	<0.5	<0.5	-	-	-
QC101	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Duplicate of HSB27	<0.5	<0.5	<0.5	<0.5	-	-	-
QC102	14/12/2023	Northern Boundary	Natural Ground	Floor	24.1	0.15	23.95	Boundary	Final	Triplicate of HSB27	<0.5	<0.5	<0.5	<0.5	-	-	-
DW-B1	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-
DW-B2	18/10/2023	Driveway	Natural Ground	Floor	24.7	0.3	24.4	Floor	Final	Normal	-	-	-	-	-	-	-
DW-B3	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-
DW-B4	18/10/2023	Driveway	Natural Ground	Floor	24.5	0.3	24.2	Floor	Final	Normal	-	-	-	-	-	-	-
A1	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-
QC106	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor DUP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Duplicate sample of A1	-	-	-	-	-	-	-
QC107	26/10/2023	Final Floor TRIP	Natural Ground	Floor	23.3	0.15	23.15	Floor	Final	Triplicate sample of A1	-	-	-	-	-	-	-
A2	26/10/2023	Final Floor	Natural Ground	Floor	23.4	0.1	23.3	Floor	Final	Normal	-	-	-	-	-	-	-
A3	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-
A4	26/10/2023	Final Floor	Natural Ground	Floor	23.5	0.1	23.4	Floor	Final	Normal	-	-	-	-	-	-	-
A5	26/10/2023	Final Floor	Natural Ground	Floor	23.3	0.1	23.2	Floor	Final	Normal	-	-	-	-	-	-	-
A6	26/10/2023	Final Floor	Natural Ground	Floor	23.6	0.1	23.5	Floor	Final	Normal	-	-	-	-	-	-	-
A7	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-
A8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-
A9	26/10/2023	Final Floor	Natural Ground	Floor	23.8	0.1	23.7	Floor	Final	Normal	-	-	-	-	-	-	-

											Pesticides						
											Pyrene	Naphthalene	Benzo(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos	Pyrimphos-ethyl
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.5	0.5	0.5	0.5	0.05	0.05	0.05
Remediation Criteria											-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type							
A10	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-
A10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-
B1	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-
B1 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-
B2	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-
B3	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-
B4	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-
B5	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-
B6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-
B7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-
B8	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-
B9	26/10/2023	Final Floor	Natural Ground	Floor	23.7	0.1	23.6	Floor	Final	Normal	-	-	-	-	-	-	-
B10	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-
C1	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-
C2	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-
C3	26/10/2023	Final Floor	Natural Ground	Floor	24.1	0.1	24	Floor	Final	Normal	-	-	-	-	-	-	-
QC108	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Duplicate sample of C3	-	-	-	-	-	-	-
QC109	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.1	0.15	23.95	Floor	Final	Triplicate sample of C3	-	-	-	-	-	-	-
C4	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-
C5	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-
C6	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-
C7	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-
C7 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-
QC120	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor DUP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Duplicate sample of C7	-	-	-	-	-	-	-
QC121	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24	0.15	23.85	Floor	Final	Triplicate sample of C7	-	-	-	-	-	-	-
C8	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-
C9	26/10/2023	Final Floor	Natural Ground	Floor	23.9	0.1	23.8	Floor	Final	Normal	-	-	-	-	-	-	-
C10	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-
C10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-
D1	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-
D2	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-
D3	26/10/2023	Final Floor	Natural Ground	Floor	24.2	0.1	24.1	Floor	Final	Normal	-	-	-	-	-	-	-
D4	26/10/2023	Final Floor	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-
D4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.4	0.1	24.3	Floor	Final	Normal	-	-	-	-	-	-	-
D5	26/10/2023	Final Floor	Natural Ground	Floor	24.5	0.1	24.4	Floor	Final	Normal	-	-	-	-	-	-	-
D6	26/10/2023	Final Floor	Natural Ground	Floor	24	0.1	23.9	Floor	Final	Normal	-	-	-	-	-	-	-
D7	26/10/2023	Final Floor	Natural Ground	Floor	24.7	0.1	24.6	Floor	Final	Normal	-	-	-	-	-	-	-
D8	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-
D8 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-
D9	26/10/2023	Final Floor	Natural Ground	Floor	24.3	0.1	24.2	Floor	Final	Normal	-	-	-	-	-	-	-
D10	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-
D10 (Rebatch Hg)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-
QC116	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Duplicate sample of D10	-	-	-	-	-	-	-
QC117	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.2	0.15	25.05	Floor	Final	Triplicate sample of D10	-	-	-	-	-	-	-
E1	26/10/2023	Final Floor	Natural Ground	Floor	25.1	0.1	25	Floor	Final	Normal	-	-	-	-	-	-	-
E2	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-
E2 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-
E3	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-
E4	26/10/2023	Final Floor	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-
E4 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	24.8	0.1	24.7	Floor	Final	Normal	-	-	-	-	-	-	-
E5	26/10/2023	Final Floor	Natural Ground	Floor	24.9	0.1	24.8	Floor	Final	Normal	-	-	-	-	-	-	-
QC110	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor DUP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Duplicate sample of E5	-	-	-	-	-	-	-
QC111	26/10/2023	Final Floor TRIP	Natural Ground	Floor	24.9	0.15	24.75	Floor	Final	Triplicate sample of E5	-	-	-	-	-	-	-
E6	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-
E7	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-
E8	26/10/2023	Final Floor	Natural Ground	Floor	25	0.1	24.9	Floor	Final	Normal	-	-	-	-	-	-	-
E9	26/10/2023	Final Floor	Natural Ground	Floor	24.6	0.1	24.5	Floor	Final	Normal	-	-	-	-	-	-	-

											Pesticides						
											Pyrene	Naphthalene	Benza(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos	Phospho-ethyl
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.5	0.5	0.5	0.5	0.05	0.05	0.05
Remediation Criteria											-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type							
E10	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-
F1	26/10/2023	Final Floor	Natural Ground	Floor	25.5	0.1	25.4	Floor	Final	Normal	-	-	-	-	-	-	-
F2	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-
F3	26/10/2023	Final Floor	Natural Ground	Floor	25.2	0.1	25.1	Floor	Final	Normal	-	-	-	-	-	-	-
F4	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-
F5	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-
F6	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-
F7	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-
F8	26/10/2023	Final Floor	Natural Ground	Floor	25.3	0.1	25.2	Floor	Final	Normal	-	-	-	-	-	-	-
F9	26/10/2023	Final Floor	Natural Ground	Floor	25.4	0.1	25.3	Floor	Final	Normal	-	-	-	-	-	-	-
F10	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-
F10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-
G1	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-
G2	26/10/2023	Final Floor	Natural Ground	Floor	25.6	0.1	25.5	Floor	Final	Normal	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-
G3	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-
G4	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-
G5	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-
G6	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-
G7	26/10/2023	Final Floor	Natural Ground	Floor	25.8	0.1	25.7	Floor	Final	Normal	-	-	-	-	-	-	-
QC112	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor DUP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Duplicate sample of G7	-	-	-	-	-	-	-
QC113	26/10/2023	Final Floor TRIP	Natural Ground	Floor	25.8	0.15	25.65	Floor	Final	Triplicate sample of G7	-	-	-	-	-	-	-
G8	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-
G9	26/10/2023	Final Floor	Natural Ground	Floor	25.7	0.1	25.6	Floor	Final	Normal	-	-	-	-	-	-	-
G10	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-
G10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-
H1	26/10/2023	Final Floor	Natural Ground	Floor	26.3	0.1	26.2	Floor	Final	Normal	-	-	-	-	-	-	-
QC118	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Duplicate sample of H1	-	-	-	-	-	-	-
QC119	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.3	0.15	26.15	Floor	Final	Triplicate sample of H1	-	-	-	-	-	-	-
H2	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-
H3	26/10/2023	Final Floor	Natural Ground	Floor	26.1	0.1	26	Floor	Final	Normal	-	-	-	-	-	-	-
H4	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-
H5	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-
H6	26/10/2023	Final Floor	Natural Ground	Floor	25.9	0.1	25.8	Floor	Final	Normal	-	-	-	-	-	-	-
H7	26/10/2023	Final Floor	Natural Ground	Floor	26	0.1	25.9	Floor	Final	Normal	-	-	-	-	-	-	-
H8	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-
H9	26/10/2023	Final Floor	Natural Ground	Floor	26.2	0.1	26.1	Floor	Final	Normal	-	-	-	-	-	-	-
QC114	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-
QC114 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor DUP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Duplicate sample of H9	-	-	-	-	-	-	-
QC115	26/10/2023	Final Floor TRIP	Natural Ground	Floor	26.2	0.15	26.05	Floor	Final	Triplicate sample of H9	-	-	-	-	-	-	-
H10	26/10/2023	Final Floor	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-
H10 (Rebatch Cr VI)	26/10/2023	Final Floor (Rebatch)	Natural Ground	Floor	26.8	0.1	26.7	Floor	Final	Normal	-	-	-	-	-	-	-
TR01_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.55	24.65	Trench	Final	Normal	-	-	-	-	-	-	-
TR02_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.35	24.85	Trench	Final	Normal	-	-	-	-	-	-	-
TR03_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Normal	-	-	-	-	-	-	-
QC14_230921	21/09/2023	Trench DUP	Natural Ground	Floor	25.1	0.6	24.5	Trench	Final	Duplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-
QC15_230921	21/09/2023	Trench TRIP	Natural Ground	Floor	25.2	0.6	24.6	Trench	Final	Triplicate sample of TR03_TRENCH FLOOR_230921	-	-	-	-	-	-	-
TR04_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-
TR05_TRENCH WALL_230921	21/09/2023	Trench	Natural Ground	Wall	25.2	0.25	24.95	Trench	Final	Normal	-	-	-	-	-	-	-
TR06_TRENCH FLOOR_230921	21/09/2023	Trench	Natural Ground	Floor	25.2	0.5	24.7	Trench	Final	Normal	-	-	-	-	-	-	-
T01_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.55	23.75	Trench	Final	Normal (Sample ID used by lab is TS01_B)	-	-	-	-	-	-	-
T01_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.225	24.075	Trench	Final	Normal (Sample ID used by lab is TS01_W1)	-	-	-	-	-	-	-
T01_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.22	24.08	Trench	Final	Normal (Sample ID used by lab is TS01_W2)	-	-	-	-	-	-	-
T02_B	18/10/2023	Trench	Natural Ground	Floor	24	0.5	23.5	Trench	Final	Normal (Sample ID used by lab is TS02_B)	-	-	-	-	-	-	-
T02_W1	18/10/2023	Trench	Natural Ground	Wall	24	0.25	23.75	Trench	Final	Normal (Sample ID used by lab is TS02_W1)	-	-	-	-	-	-	-
T02_W2	18/10/2023	Trench	Natural Ground	Wall	24	0.3	23.7	Trench	Final	Normal (Sample ID used by lab is TS02_W2)	-	-	-	-	-	-	-
T03_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal (Sample ID used by lab is TS03_B)	-	-	-	-	-	-	-
QC101	18/10/2023	Trench DUP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Duplicate sample of TS03_B	-	-	-	-	-	-	-

											Pesticides						
											Pyrene	Naphthalene	Benzo(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos	Phospho-ethyl
											mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL											0.5	0.5	0.5	0.5	0.05	0.05	0.05
Remediation Criteria											-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type							
QC102	18/10/2023	Trench TRIP	Natural Ground	Floor	24.1	0.15	23.95	Trench	Final	Triplicate sample of TS03_B	-	-	-	-	-	-	-
T03_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W1)	-	-	-	-	-	-	-
T03_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.35	23.55	Trench	Final	Normal (Sample ID used by lab is TS03_W2)	-	-	-	-	-	-	-
T04_B	18/10/2023	Trench	Natural Ground	Floor	23.6	0.55	23.05	Trench	Final	Normal (Sample ID used by lab is TS04_B)	-	-	-	-	-	-	-
T04_W1	18/10/2023	Trench	Natural Ground	Wall	23.6	0.32	23.28	Trench	Final	Normal (Sample ID used by lab is TS04_W1)	-	-	-	-	-	-	-
T04_W2	18/10/2023	Trench	Natural Ground	Wall	23.6	0.35	23.25	Trench	Final	Normal (Sample ID used by lab is TS04_W2)	-	-	-	-	-	-	-
T05_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS05_B)	-	-	-	-	-	-	-
T05_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.4	23	Trench	Final	Normal (Sample ID used by lab is TS05_W1)	-	-	-	-	-	-	-
QC103	18/10/2023	Trench DUP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Duplicate sample of TS05_W1	-	-	-	-	-	-	-
QC104	18/10/2023	Trench TRIP	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Triplicate sample of TS05_W1	-	-	-	-	-	-	-
T05_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS05_W2)	-	-	-	-	-	-	-
T06_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS06_B)	-	-	-	-	-	-	-
T06_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W1)	-	-	-	-	-	-	-
T06_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS06_W2)	-	-	-	-	-	-	-
T07_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.5	22.9	Trench	Final	Normal (Sample ID used by lab is TS07_B)	-	-	-	-	-	-	-
T07_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W1)	-	-	-	-	-	-	-
T07_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.25	23.15	Trench	Final	Normal (Sample ID used by lab is TS07_W2)	-	-	-	-	-	-	-
T08_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.55	22.85	Trench	Final	Normal (Sample ID used by lab is TS08_B)	-	-	-	-	-	-	-
T08_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS08_W1)	-	-	-	-	-	-	-
T08_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.21	23.19	Trench	Final	Normal (Sample ID used by lab is TS08_W2)	-	-	-	-	-	-	-
T09_B	18/10/2023	Trench	Natural Ground	Floor	23.4	0.6	22.8	Trench	Final	Normal (Sample ID used by lab is TS09_B)	-	-	-	-	-	-	-
T09_W1	18/10/2023	Trench	Natural Ground	Wall	23.4	0.3	23.1	Trench	Final	Normal (Sample ID used by lab is TS09_W1)	-	-	-	-	-	-	-
T09_W2	18/10/2023	Trench	Natural Ground	Wall	23.4	0.32	23.08	Trench	Final	Normal (Sample ID used by lab is TS09_W2)	-	-	-	-	-	-	-
T10_B	18/10/2023	Trench	Natural Ground	Floor	23.5	0.6	22.9	Trench	Final	Normal (Sample ID used by lab is TS10_B)	-	-	-	-	-	-	-
T10_W1	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W1)	-	-	-	-	-	-	-
T10_W2	18/10/2023	Trench	Natural Ground	Wall	23.5	0.3	23.2	Trench	Final	Normal (Sample ID used by lab is TS10_W2)	-	-	-	-	-	-	-
T11_B	18/10/2023	Trench	Natural Ground	Floor	23.7	0.6	23.1	Trench	Final	Normal (Sample ID used by lab is TS11_B)	-	-	-	-	-	-	-
T11_W1	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W1)	-	-	-	-	-	-	-
T11_W2	18/10/2023	Trench	Natural Ground	Wall	23.7	0.3	23.4	Trench	Final	Normal (Sample ID used by lab is TS11_W2)	-	-	-	-	-	-	-
T12_B	18/10/2023	Trench	Natural Ground	Floor	23.9	0.6	23.3	Trench	Final	Normal (Sample ID used by lab is TS12_B)	-	-	-	-	-	-	-
T12_W1	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W1)	-	-	-	-	-	-	-
T12_W2	18/10/2023	Trench	Natural Ground	Wall	23.9	0.3	23.6	Trench	Final	Normal (Sample ID used by lab is TS12_W2)	-	-	-	-	-	-	-
T13_B	18/10/2023	Trench	Natural Ground	Floor	24.3	0.6	23.7	Trench	Final	Normal (Sample ID used by lab is TS13_B)	-	-	-	-	-	-	-
T13_W1	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W1)	-	-	-	-	-	-	-
T13_W2	18/10/2023	Trench	Natural Ground	Wall	24.3	0.3	24	Trench	Final	Normal (Sample ID used by lab is TS13_W2)	-	-	-	-	-	-	-
T14_B	18/10/2023	Trench	Natural Ground	Floor	24.9	0.6	24.3	Trench	Final	Normal (Sample ID used by lab is TS14_B)	-	-	-	-	-	-	-
T14_W1	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W1)	-	-	-	-	-	-	-
T14_W2	18/10/2023	Trench	Natural Ground	Wall	24.9	0.3	24.6	Trench	Final	Normal (Sample ID used by lab is TS14_W2)	-	-	-	-	-	-	-
T15_B	18/10/2023	Trench	Natural Ground	Floor	25	0.6	24.4	Trench	Final	Normal (Sample ID used by lab is TS15_B)	-	-	-	-	-	-	-
T15_W1	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W1)	-	-	-	-	-	-	-
T15_W2	18/10/2023	Trench	Natural Ground	Wall	25	0.3	24.7	Trench	Final	Normal (Sample ID used by lab is TS15_W2)	-	-	-	-	-	-	-
T16_B	18/10/2023	Trench	Natural Ground	Floor	25.7	0.6	25.1	Trench	Final	Normal (Sample ID used by lab is TS16_B)	-	-	-	-	-	-	-
T16_W1	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W1)	-	-	-	-	-	-	-
T16_W2	18/10/2023	Trench	Natural Ground	Wall	25.7	0.3	25.4	Trench	Final	Normal (Sample ID used by lab is TS16_W2)	-	-	-	-	-	-	-
T17-B	26/10/2023	Trench	Natural Ground	Floor	23.8	0.55	23.25	Trench	Final	Normal	-	-	-	-	-	-	-
T17-W1	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T17-W2	26/10/2023	Trench	Natural Ground	Wall	23.8	0.15	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T18-B	26/10/2023	Trench	Natural Ground	Floor	24	0.55	23.45	Trench	Final	Normal	-	-	-	-	-	-	-
T18-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.6	23.4	Trench	Final	Normal	-	-	-	-	-	-	-
T18-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T18-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.35	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T19-B	26/10/2023	Trench	Natural Ground	Floor	24.3	0.4	23.9	Trench	Final	Normal	-	-	-	-	-	-	-
T19-W1	26/10/2023	Trench	Natural Ground	Wall	24.3	0.2	24.1	Trench	Final	Normal	-	-	-	-	-	-	-
T19-W2	26/10/2023	Trench	Natural Ground	Wall	24.3	0.25	24.05	Trench	Final	Normal	-	-	-	-	-	-	-
T20-B	26/10/2023	Trench	Natural Ground	Floor	24.1	0.55	23.55	Trench	Final	Normal	-	-	-	-	-	-	-
T20-W1	26/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal	-	-	-	-	-	-	-
T20-W2	26/10/2023	Trench	Natural Ground	Wall	24.1	0.15	23.95	Trench	Final	Normal	-	-	-	-	-	-	-
T21-B	26/10/2023	Trench	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-
T21-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.2	0.6	23.6	Trench	Final	Normal	-	-	-	-	-	-	-
T21-W1	26/10/2023	Trench	Natural Ground	Wall	24.2	0.25	23.95	Trench	Final	Normal	-	-	-	-	-	-	-
T21-W2	26/10/2023	Trench	Natural Ground	Wall	24.2	0.3	23.9	Trench	Final	Normal	-	-	-	-	-	-	-

C.1.1 Chemical Results - Final Validation Samples

					Pesticides		
	Pyrene	Naphthalene	Benzo(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos	Pirimphos-ethyl
EQL	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria	0.5	0.5	0.5	0.5	0.05	0.05	0.05
	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Location	Ground Surface Elevation at Sample Location (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Main Grouping	Final/Redundant	Sample Type							
T22-B	26/10/2023	Trench	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-
T22-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24.4	0.38	24.02	Trench	Final	Normal	-	-	-	-	-	-	-
T22-W1	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-
T22-W2	26/10/2023	Trench	Natural Ground	Wall	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-
T22_F_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.5	23.9	Trench	Final	Normal	-	-	-	-	-	-	-
T22_WA_231016	16/10/2023	Trench	Natural Ground	Wall	24.4	0.15	24.25	Trench	Final	Normal	-	-	-	-	-	-	-
T22_WB_231016	16/10/2023	Trench	Natural Ground	Floor	24.4	0.2	24.2	Trench	Final	Normal	-	-	-	-	-	-	-
T23-B	26/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-
T23-W1	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T23-W2	26/10/2023	Trench	Natural Ground	Wall	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T23_F_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.5	23.4	Trench	Final	Normal	-	-	-	-	-	-	-
T23_WA_231016	16/10/2023	Trench	Natural Ground	Wall	23.9	0.2	23.7	Trench	Final	Normal	-	-	-	-	-	-	-
T23_WB_231016	16/10/2023	Trench	Natural Ground	Floor	23.9	0.25	23.65	Trench	Final	Normal	-	-	-	-	-	-	-
T24-B	26/10/2023	Trench	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-
T24-B (Rebatch Cr VI)	26/10/2023	Trench (Rebatch)	Natural Ground	Floor	24	0.45	23.55	Trench	Final	Normal	-	-	-	-	-	-	-
T24-W1	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-
T24-W2	26/10/2023	Trench	Natural Ground	Wall	24	0.15	23.85	Trench	Final	Normal	-	-	-	-	-	-	-
T25_B	18/10/2023	Trench	Natural Ground	Floor	24.6	0.6	24	Trench	Final	Normal (Sample ID used by lab is TS25_B)	-	-	-	-	-	-	-
T25_W1	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W1)	-	-	-	-	-	-	-
T25_W2	18/10/2023	Trench	Natural Ground	Wall	24.6	0.3	24.3	Trench	Final	Normal (Sample ID used by lab is TS25_W2)	-	-	-	-	-	-	-
T26_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.45	23.65	Trench	Final	Normal (Sample ID used by lab is TS26_B)	-	-	-	-	-	-	-
T26_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W1)	-	-	-	-	-	-	-
T26_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS26_W2)	-	-	-	-	-	-	-
T27_B	18/10/2023	Trench	Natural Ground	Floor	24.1	0.5	23.6	Trench	Final	Normal (Sample ID used by lab is TS27_B)	-	-	-	-	-	-	-
T27_W1	18/10/2023	Trench	Natural Ground	Wall	24.1	0.19	23.91	Trench	Final	Normal (Sample ID used by lab is TS27_W1)	-	-	-	-	-	-	-
T27_W2	18/10/2023	Trench	Natural Ground	Wall	24.1	0.2	23.9	Trench	Final	Normal (Sample ID used by lab is TS27_W2)	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HS01_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.7	27	533	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS01_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	0.75	26.95	549	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS01_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	0.9	26.8	547	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS02_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.7	27	500	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS02_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	0.85	26.85	624	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS02_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.1	26.6	636	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS03_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.8	26.9	540	Brown coarse-grained soil, coal, fragments of fire black, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS03_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	0.9	26.8	545	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS03_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.1	26.6	669	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS04_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.85	26.85	503	Brown coarse-grained soil, coal, fragments of fire brick, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS04_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	0.9	26.8	648	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS04_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.1	26.6	664	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS05_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.9	26.8	457	Brown coarse-grained soil, coal, fragments of fire brick, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS05_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	0.95	26.75	752	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS05_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.1	26.6	768	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS06_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	1	26.7	469	Brown fine-grained clayey soil, coal, fragments of fire brick, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS06_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	1.1	26.6	720	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS06_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.2	26.5	677	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HS07_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.95	26.75	546	Brown coarse-grained soil, coal, fragments of fire brick, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS07_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	1.1	26.6	942	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
QC03_230912 (HS07_NW_230912)	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	1.1	26.6	38	Brown coarse-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS07_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.2	26.5	724	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS08_ASH_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Ash Fill	27.7	0.9	26.8	585	Brown fine-grained clayey soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS08_NW_230912	12 Sep 2023	Headfort Street Boundary	Wall	Final	Natural Ground	27.7	1	26.7	658	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS08_F_230912	12 Sep 2023	Headfort Street Boundary	Floor	Final	Natural Ground	27.7	1.1	26.6	663	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS09_ASH_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Ash Fill	26.7	0.45	26.25	498	Brown coarse-grained sandy soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS09_NW_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Natural Ground	26.7	0.55	26.15	612	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS09_FLOOR_230918	18-Sep-23	Headfort Street Boundary	Floor	Final	Natural Ground	26.7	0.8	25.9	576	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10_TS_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Topsoil	27.2	0.1	27.1	711	Brown fine-grained clayey soil and rocks	FA: Chrysotile asbestos detected in soft synthetic material. Approximate raw weight of FA = 0.0065g Estimated asbestos content in FA = 0.0020g* AF: Chrysotile asbestos detected in the form of loose fibres. Approximate raw weight of AF = 0.00040g* Estimated asbestos content in AF = 0.00040g* Total estimated asbestos content in FA and AF = 0.0024g* Total estimated asbestos concentration in FA and AF = 0.00033% w/w* No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	0.00033%	-
HS10_ASH_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Ash Fill	27.2	0.4	26.8	633	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10_NW_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Natural Ground	27.2	0.7	26.5	597	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10_FLOOR_230918	18-Sep-23	Headfort Street Boundary	Floor	Final	Natural Ground	27.2	1	26.2	424	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10A_TS_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Topsoil	27.3	0.1	27.2	548	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HS10A_ASH_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Ash Fill	27.3	0.4	26.9	739	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10A_NW_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Natural Ground	27.3	0.7	26.6	488	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10A_FLOOR_230918	18-Sep-23	Headfort Street Boundary	Floor	Final	Natural Ground	27.3	1	26.3	558	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10B_TS_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Topsoil	27.2	0.1	27.1	699	Brown coarse-grained sandy soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10B_ASH_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Ash Fill	27.2	0.3	26.9	664	Brown fine-grained clayey soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10B_NW_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Natural Ground	27.2	0.7	26.5	627	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS10B_FLOOR_230918	18-Sep-23	Headfort Street Boundary	Floor	Final	Natural Ground	27.2	1	26.2	559	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS11_ASH_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Ash Fill	27.8	0.9	26.9	599	Brown coarse-grained soil, coal, cement, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS11_NW_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Natural Ground	27.8	0.95	26.85	527	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS11_FLOOR_230918	18-Sep-23	Headfort Street Boundary	Floor	Final	Natural Ground	27.8	1.1	26.7	502	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS12_ASH_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Ash Fill	27.5	0.95	26.55	557	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS12_NW_230918	18-Sep-23	Headfort Street Boundary	Wall	Final	Natural Ground	27.5	1	26.5	649	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HS12_FLOOR_230918	18-Sep-23	Headfort Street Boundary	Floor	Final	Natural Ground	27.5	1.1	26.4	542	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA01_TS_230920	20-Sep-23	Eastern Boundary	Wall	Final	Topsoil	27.1	0.05	27.05	575	Brown coarse grained sandy clayey soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA01_FILL_230920	20-Sep-23	Eastern Boundary	Wall	Final	Fill	27.1	0.2	26.9	557	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA01_NW_230920	20-Sep-23	Eastern Boundary	Wall	Final	Natural Ground	27.1	0.25	26.85	452	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sampled ID used by lab is HAS01_NW_230920
HSA02_TS_230920	20-Sep-23	Eastern Boundary	Wall	Final	Topsoil	26.8	0.05	26.75	701	Brown coarse grained sandy clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA02_FILL_230920	20-Sep-23	Eastern Boundary	Wall	Final	Fill	26.8	0.2	26.6	830	Brown coarse grained sandy clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HSA02_NW_230920	20-Sep-23	Eastern Boundary	Wall	Final	Natural Ground	26.8	0.25	26.55	520	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is HAS02_NW_230920
HSA03_TS_230920	20-Sep-23	Eastern Boundary	Wall	Final	Topsoil	26.2	0.05	26.15	685	Brown coarse grained sandy clayey soil, cement, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA03_FILL_230920	20-Sep-23	Eastern Boundary	Wall	Final	Fill	26.2	0.2	26	610	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA03_NW_230920	20-Sep-23	Eastern Boundary	Wall	Final	Natural Ground	26.2	0.25	25.95	545	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is HAS03_NW_230920
HSA04_TS_230920	20-Sep-23	Eastern Boundary	Wall	Final	Topsoil	26	0.05	25.95	783	Brown coarse-grained soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA04_FILL_230920	20-Sep-23	Eastern Boundary	Wall	Final	Fill	26	0.2	25.8	885	Brown coarse-grained soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSA04_NW_230920	20-Sep-23	Eastern Boundary	Wall	Final	Natural Ground	26	0.25	25.75	719	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is HAS04_NW_230920
HSB01_TS_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Topsoil	26.7	0.1	26.6	441	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB01_ASH_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Ash Fill	26.7	0.35	26.35	509	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB01_NW_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	26.7	0.5	26.2	573	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB01_F_231016	16-Oct-23	Newdegate St Boundary	Floor	Final	Natural Ground	26.7	0.7	26	541	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_TS_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Topsoil	26.6	0.1	26.5	460	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_ASH_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Ash Fill	26.6	0.3	26.3	535	Brown fine-grained clayey soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_NW_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	26.6	0.4	26.2	587	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_F_231016	16-Oct-23	Newdegate St Boundary	Floor	Final	Natural Ground	26.6	0.6	26	487	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB03_TS_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Topsoil	26	0.1	25.9	482	Brown fine-grained clayey soil, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB03_ASH_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Ash Fill	26	0.5	25.5	501	Brown coarse-grained soil, coal, glass, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB03_NW_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	26	0.6	25.4	515	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HSB03_F_231016	16-Oct-23	Newdegate St Boundary	Floor	Final	Natural Ground	26	0.65	25.35	674	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB04_TS_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Topsoil	25.6	0.1	25.5	522	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB04_ASH_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Ash Fill	25.6	0.5	25.1	452	Brown fine-grained clayey soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB04_NW_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	25.6	0.6	25	522	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB04_F_231016	16-Oct-23	Newdegate St Boundary	Floor	Final	Natural Ground	25.6	0.7	24.9	775	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB05_TS_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Topsoil	25.1	0.1	25	422	Brown coarse grained sandy clayey soil, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB05_ASH_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Ash Fill	25.1	0.3	24.8	391	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB05_F_231016	16-Oct-23	Newdegate St Boundary	Floor	Final	Natural Ground	25.1	0.45	24.65	627	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB06_TS_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Topsoil	24.5	0.1	24.4	553	Brown fine-grained clayey soil, bitumen and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB06_ASH_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Ash Fill	24.5	0.55	23.95	367	Dark grey coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB06_NW_231016	16-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	24.5	0.7	23.8	635	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB06_F_231016	16-Oct-23	Newdegate St Boundary	Floor	Final	Natural Ground	24.5	0.9	23.6	447	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB07	26-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	24.2	0.1	24.1	399	Deep grey fine-grained clayey soil, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB08	18-Oct-23	Newdegate St Boundary	Wall	Final	Natural Ground	23.5	0.2	23.3	453	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB18 (HSB_018)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.4	0.15	23.25	706.59	Dark brown silty clay LP - Dry ash, trace	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB19 (HSB_019)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.5	0.15	23.35	583.78	rootlets, weathered rock	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB20 (HSB_020)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.6	0.15	23.45	690.58	Dark brown silty clay LP - Dry ash, trace	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB21 (HSB_021)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.8	0.15	23.65	588.26	rootlets, weathered rock	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB22 (HSB_022)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.8	0.15	23.65	631.55	Dark brown clay, dark red brown dirt MP-	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB23 (HSB_023)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.9	0.15	23.75	531.97	HP - Trace weathered rootlets, ash	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HSB24 (HSB_024)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.9	0.15	23.75	457.62	Dark brown clay, dark red brown dirt MP-	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB25 (HSB_025)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.9	0.15	23.75	839.86	HP - Trace weathered rootlets, ash	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB26 (HSB_026)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	23.9	0.15	23.75	493.5	MP-HP clay dark brown - Dry trace	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
HSB27 (HSB_027)	14-Dec-23	Northern Boundary	Floor	Final	Natural Ground	24.1	0.15	23.95	519.2	MP-HP clay dark brown - Dry trace weathered rock, rootlets	No asbestos detected (NAD) at a reporting limit of 0.1g/kg. No Trace Asbestos. NAD at the reporting limit of 0.001% w/w	Non-detect	Non-detect	-
DW-B1	18-Oct-23	Driveway	Floor	Final	Natural Ground	24.7	0.3	24.4	490	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
DW-B2	18-Oct-23	Driveway	Floor	Final	Natural Ground	24.7	0.3	24.4	676	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
DW-B3	18-Oct-23	Driveway	Floor	Final	Natural Ground	24.5	0.3	24.2	615	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
DW-B4	18-Oct-23	Driveway	Floor	Final	Natural Ground	24.5	0.3	24.2	641	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.3	0.1	23.2	976	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.4	0.1	23.3	900	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.3	0.1	23.2	1127	Brown fine-grained clayey soil, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.5	0.1	23.4	1081	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.3	0.1	23.2	932	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.6	0.1	23.5	915	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.8	0.1	23.7	808	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.9	0.1	23.8	983	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.8	0.1	23.7	1112	Brown coarse-grained sandy soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
A10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.6	0.1	24.5	913	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.7	0.1	23.6	1343	Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
B2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.7	0.1	23.6	895	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.7	0.1	23.6	1189	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.7	0.1	23.6	893	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.9	0.1	23.8	962	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24	0.1	23.9	934	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24	0.1	23.9	1039	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.2	0.1	24.1	973	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.7	0.1	23.6	847	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
B10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.8	0.1	24.7	922	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.1	0.1	24	1396	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.2	0.1	24.1	920	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.1	0.1	24	695	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24	0.1	23.9	817	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.2	0.1	24.1	1155	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.2	0.1	24.1	864	Brown fine-grained clayey soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24	0.1	23.9	927	Brown fine-grained clayey soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.9	0.1	23.8	895	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
C9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	23.9	0.1	23.8	943	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
C10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.9	0.1	24.8	947	Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.7	0.1	24.6	468	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.3	0.1	24.2	960	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.2	0.1	24.1	1071	Brown fine-grained clayey soil, glass and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.4	0.1	24.3	968	Brown fine-grained clayey soil, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.5	0.1	24.4	1052	Brown fine-grained clayey soil, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24	0.1	23.9	1133	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.7	0.1	24.6	1148	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.3	0.1	24.2	784	Brown fine-grained clayey soil, cement, brick and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.3	0.1	24.2	1031	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
D10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.2	0.1	25.1	758	Brown fine-grained clayey soil, cement, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.1	0.1	25	820	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.8	0.1	24.7	574	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.6	0.1	24.5	566	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.8	0.1	24.7	730	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.9	0.1	24.8	827	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25	0.1	24.9	628	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25	0.1	24.9	865	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
E8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25	0.1	24.9	757	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	24.6	0.1	24.5	923	Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
E10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.8	0.1	25.7	638	Brown fine-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.5	0.1	25.4	726	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.2	0.1	25.1	883	Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.2	0.1	25.1	638	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.3	0.1	25.2	646	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.3	0.1	25.2	702	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.4	0.1	25.3	741	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.3	0.1	25.2	771	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.3	0.1	25.2	717	Brown fine-grained clayey soil, cement, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.4	0.1	25.3	881	Brown coarse-grained soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
F10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.7	0.1	25.6	557	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.9	0.1	25.8	678	Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.6	0.1	25.5	491	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.8	0.1	25.7	1038	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.9	0.1	25.8	975	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.7	0.1	25.6	959	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
G6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.8	0.1	25.7	1038	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.8	0.1	25.7	873	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.9	0.1	25.8	792	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.7	0.1	25.6	710	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
G10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26	0.1	25.9	582	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H1	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26.3	0.1	26.2	634	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H2	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26	0.1	25.9	641	Brown fine-grained clayey soil, coal, cement, debris and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H3	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26.1	0.1	26	677	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H4	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26	0.1	25.9	691	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H5	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26	0.1	25.9	737	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H6	26-Oct-23	Final Floor	Floor	Final	Natural Ground	25.9	0.1	25.8	625	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H7	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26	0.1	25.9	689	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H8	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26.2	0.1	26.1	730	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H9	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26.2	0.1	26.1	597	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
H10	26-Oct-23	Final Floor	Floor	Final	Natural Ground	26.8	0.1	26.7	622	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
TR01_TRENCH WALL_23	21-Sep-23	Trench	Wall	Final	Natural Ground	25.2	0.55	24.65	613	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
TR02_TRENCH WALL_23	21-Sep-23	Trench	Wall	Final	Natural Ground	25.2	0.35	24.85	465	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
TR03_TRENCH FLOOR_23	21-Sep-23	Trench	Floor	Final	Natural Ground	25.2	0.6	24.6	687	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
TR04_TRENCH WALL_23	21-Sep-23	Trench	Wall	Final	Natural Ground	25.2	0.25	24.95	612	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
TR05_TRENCH WALL_23	21-Sep-23	Trench	Wall	Final	Natural Ground	25.2	0.25	24.95	546	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
TR06_TRENCH FLOOR_23	21-Sep-23	Trench	Floor	Final	Natural Ground	25.2	0.5	24.7	440	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T01_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24.3	0.55	23.75	466	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS01_B
T01_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24.3	0.225	24.075	509	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS01_W1
T01_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24.3	0.22	24.08	442	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS01_W2
T02_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24	0.5	23.5	392	Brown fine-grained clayey soil and rocks	AF: Chrysotile asbestos detected in the form of loose fibre bundles. Approximate raw weight of AF = 0.013g* Estimated asbestos content in AF = 0.011g* Total estimated asbestos concentration in AF = 0.0029% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.0029%	Sample ID used by lab is TS02_B
T02_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24	0.25	23.75	400	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS02_W1
T02_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24	0.3	23.7	373	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS02_W2
T03_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.9	0.5	23.4	549	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS03_B
T03_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.35	23.55	514	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS03_W1
T03_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.35	23.55	534	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS03_W2
T04_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.6	0.55	23.05	507	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS04_B
T04_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.6	0.32	23.28	440	Brown fine-grained clayey soil and rocks	AF: Chrysotile asbestos detected in the form of loose fibre bundles. Approximate raw weight of AF = 0.0056g* Estimated asbestos content in AF = 0.0050g* Total estimated asbestos concentration in AF = 0.0011% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.0011%	Sample ID used by lab is TS04_W1
T04_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.6	0.35	23.25	507	Brown fine-grained clayey soil, brick, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS04_W2

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
T05_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.4	0.55	22.85	581	Brown fine-grained clayey soil and rocks	FA: Chrysotile asbestos detected in fibre plaster material. Approximate raw weight of FA = 0.0038g Estimated asbestos content in FA = 0.0015g* Total estimated asbestos concentration in FA = 0.00026% w/w* No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	0.00026%	Sample ID used by lab is TS05_B
T05_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.4	23	529	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS05_W1
T05_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.3	23.1	542	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS05_W2
T06_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.4	0.5	22.9	565	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS06_B
T06_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.25	23.15	557	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS06_W1
T06_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.25	23.15	503	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS06_W2
T07_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.4	0.5	22.9	567	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS07_B
T07_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.25	23.15	500	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS07_W1
T07_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.25	23.15	501	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS07_W2
T08_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.4	0.55	22.85	606	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS08_B
T08_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.3	23.1	461	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS08_W1
T08_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.21	23.19	467	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS08_W2
T09_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.4	0.6	22.8	408	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS09_B
T09_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.3	23.1	502	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS09_W1
T09_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.4	0.32	23.08	588	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS09_W2
T10_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.5	0.6	22.9	515	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS10_B

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
T10_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.5	0.3	23.2	580	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS10_W1
T10_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.5	0.3	23.2	503	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS10_W2
T11_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.7	0.6	23.1	601	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS11_B
T11_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.7	0.3	23.4	505	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS11_W1
T11_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.7	0.3	23.4	597	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS11_W2
T12_B	18-Oct-23	Trench	Floor	Final	Natural Ground	23.9	0.6	23.3	567	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS12_B
T12_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.3	23.6	413	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS12_W1
T12_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.3	23.6	589	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS12_W2
T13_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24.3	0.6	23.7	436	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS13_B
T13_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24.3	0.3	24	533	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS13_W1
T13_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24.3	0.3	24	425	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS13_W2
T14_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24.9	0.6	24.3	587	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS14_B
T14_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24.9	0.3	24.6	441	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS14_W1
T14_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24.9	0.3	24.6	521	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS14_W2
T15_B	18-Oct-23	Trench	Floor	Final	Natural Ground	25	0.6	24.4	319	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS15_B
T15_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	25	0.3	24.7	545	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS15_W1
T15_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	25	0.3	24.7	442	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS15_W2
T16_B	18-Oct-23	Trench	Floor	Final	Natural Ground	25.7	0.6	25.1	548	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS16_B

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
T16_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	25.7	0.3	25.4	502	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS16_W1
T16_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	25.7	0.3	25.4	506	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS16_W2
T17-B	26-Oct-23	Trench	Floor	Final	Natural Ground	23.8	0.55	23.25	650	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T17-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	23.8	0.15	23.65	832	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T17-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	23.8	0.15	23.65	596	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T18-B	26-Oct-23	Trench	Floor	Final	Natural Ground	24	0.55	23.45	564	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T18-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	24	0.35	23.65	593	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T18-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	24	0.35	23.65	489	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T19-B	26-Oct-23	Trench	Floor	Final	Natural Ground	24.3	0.4	23.9	601	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T19-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	24.3	0.2	24.1	693	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T19-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	24.3	0.25	24.05	507	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T20-B	26-Oct-23	Trench	Floor	Final	Natural Ground	24.1	0.55	23.55	752	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T20-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	24.1	0.2	23.9	509	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T20-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	24.1	0.15	23.95	837	Brown fine-grained clayey soil, cement, plaster cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T21-B	26-Oct-23	Trench	Floor	Final	Natural Ground	24.2	0.6	23.6	597	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T21-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	24.2	0.25	23.95	512	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T21-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	24.2	0.3	23.9	432	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T22_WA_231016	16-Oct-23	Trench	Wall	Final	Natural Ground	24.4	0.15	24.25	471	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
T22_WB_231016	16-Oct-23	Trench	Floor	Final	Natural Ground	24.4	0.2	24.2	609	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T22_F_231016	16-Oct-23	Trench	Floor	Final	Natural Ground	24.4	0.5	23.9	502	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T22-B	26-Oct-23	Trench	Floor	Final	Natural Ground	24.4	0.38	24.02	489	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T22-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	24.4	0.2	24.2	471	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T22-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	24.4	0.2	24.2	510	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T23_WA_231016	16-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.2	23.7	613	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T23_WB_231016	16-Oct-23	Trench	Floor	Final	Natural Ground	23.9	0.25	23.65	378	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T23_F_231016	16-Oct-23	Trench	Floor	Final	Natural Ground	23.9	0.5	23.4	432	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T23-B	26-Oct-23	Trench	Floor	Final	Natural Ground	23.9	0.5	23.4	500	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T23-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.25	23.65	454	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T23-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	23.9	0.25	23.65	581	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T24-B	26-Oct-23	Trench	Floor	Final	Natural Ground	24	0.45	23.55	544	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T24-W1	26-Oct-23	Trench	Wall	Final	Natural Ground	24	0.15	23.85	467	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T24-W2	26-Oct-23	Trench	Wall	Final	Natural Ground	24	0.15	23.85	490	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
T25_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24.6	0.6	24	535	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS25_B
T25_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24.6	0.3	24.3	545	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS25_W1
T25_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24.6	0.3	24.3	560	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS25_W2
T26_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24.1	0.45	23.65	383	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS26_B

C.1.2 Asbestos Results - Final Validation Samples

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Surface Elevation (m AHD)	Sample Depth (m bgs)	Sample Depth (m AHD)	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
												Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
T26_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24.1	0.2	23.9	573	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS26_W1
T26_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24.1	0.2	23.9	489	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS26_W2
T27_B	18-Oct-23	Trench	Floor	Final	Natural Ground	24.1	0.5	23.6	627	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS27_B
T27_W1	18-Oct-23	Trench	Wall	Final	Natural Ground	24.1	0.19	23.91	546	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS27_W1
T27_W2	18-Oct-23	Trench	Wall	Final	Natural Ground	24.1	0.2	23.9	641	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	Sample ID used by lab is TS27_W2

C.2.1 Chemical Results - Area Used to Stockpile Imported Materials

									4,4-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordane	γ-BHC	DDD	DDT	Dieldrin	Endosulfan I	
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
									-	-	-	6	-	50	-	-	-	-	-	270

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type												
V01_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V02_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V03_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V04_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.8	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V05_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V06_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V07_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	1.2	<0.05	<0.05	<0.05	<0.05	<0.05	0.05
QC01 DUP	7/09/2023	Floor Pre-material import check DUP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Duplicate sample of V07_230908	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
QC02 TRIP	7/09/2023	Floor Pre-material import check TRIP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Triplicate sample of V07_230908	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05
V08_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	0.06	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	0.21	<0.05	<0.05	<0.05
V09_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V10_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	0.07	<0.05	<0.05	<0.05
V11_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
V12_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.2.1 Chemical Results - Area Used to Stockpile Imported Materials

C.2.1 Chemical Results - Area Used to Stockpile Imported Materials									Organochlorine Pesticides										
									Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPA/Vic	Other organochlorine pesticides EPA/Vic	Endosulfan	Endosulfan sulphate
									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL									0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.05	0.05
Remediation Criteria									270	10	-	-	-	6	300	-	-	270	-

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type												
V01_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05
V02_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.3	-	<0.05
V03_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05
V04_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.8	1.8	-	<0.05
V05_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.5	0.5	-	<0.05
V06_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05
V07_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.25	1.25	-	<0.05
QC01 DUP	7/09/2023	Floor Pre-material import check DUP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Duplicate sample of V07_230908	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.7	0.7	-	<0.05
QC02 TRIP	7/09/2023	Floor Pre-material import check TRIP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Triplicate sample of V07_230908	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-	<0.05	<0.05
V08_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.77	0.5	-	<0.05
V09_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.4	0.4	-	<0.05
V10_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.57	0.5	-	<0.05
V11_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05
V12_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.2.1 Chemical Results - Area Used to Stockpile Imported Materials

									Metals										
									Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium	Chromium (hexavalent)	Chromium (Total)	Copper
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.05	0.05	0.5	0.05	0.05	0.05	2	0.4	1	2	5
									-	10	20	240	-	-	160 (Note 1)	20	100	12000 (Note 2)	6000
Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type											
V01_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	-	<0.05	-	-	2.4	<0.5	-	110	19
V02_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	2.7	<0.5	-	41	6.3
V03_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	7.4	<0.5	-	92	8.6
V04_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	9.3	<0.5	-	80	16
V05_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	4.9	<0.5	-	76	13
V06_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	6	<0.5	-	130	23
V07_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	9.4	<0.5	-	75	9.6
QC01 DUP	7/09/2023	Floor Pre-material import check DUP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Duplicate sample of V07_230908	<0.05	<0.05	<0.5	<0.05	-	-	8.4	<0.5	-	78	9.9
QC02 TRIP	7/09/2023	Floor Pre-material import check TRIP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Triplicate sample of V07_230908	<0.05	<0.05	-	<0.05	<0.05	<0.05	7	<1	-	87	10
V08_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	0.27	-	-	11	<0.5	-	93	12
V09_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	6.6	<0.5	-	74	12
V10_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	0.07	-	-	8	<0.5	-	98	14
V11_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	<0.5	<0.05	-	-	3.9	<0.5	-	49	5.8
V12_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<0.05	<0.05	-	<0.05	-	-	3.3	<0.5	-	52	6.3

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.2.1 Chemical Results - Area Used to Stockpile Imported Materials

									Lead	Mercury	Nickel	Zinc
									mg/kg	mg/kg	mg/kg	mg/kg
EQL									5	0.1	2	5
Remediation Criteria									300	40	400	7400

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type				
V01_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	5.3	<0.1	55	32
V02_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	<5	<0.1	22	15
V03_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	9	<0.1	55	52
V04_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	15	<0.1	29	42
V05_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	8.7	<0.1	36	27
V06_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	11	<0.1	77	29
V07_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	9.5	<0.1	21	26
QC01 DUP	7/09/2023	Floor Pre-material import check DUP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Duplicate sample of V07_230908	11	<0.1	21	24
QC02 TRIP	7/09/2023	Floor Pre-material import check TRIP	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Triplicate sample of V07_230908	<5	<0.1	19	13
V08_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	22	<0.1	30	50
V09_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	8	<0.1	29	38
V10_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	13	<0.1	35	40
V11_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	5.4	<0.1	27	16
V12_230908	7/09/2023	Floor Pre-material import check	Natural Ground	0-0.1 m bgs	Floor	Imported Material	Redundant	Normal	9.6	<0.1	23	17

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.2.2 Asbestos Results - Area Used to Stockpile Imported Materials

Sample ID	Sample Date	Main Grouping	Location	Sample Depth (m bgs)	Final/ Redundant	Material Type	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
										Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
V01_230908	7-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	404	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V02_230908	8-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	459	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V03_230908	9-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	553	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V04_230908	10-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	382	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V05_230908	11-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	447	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V06_230908	12-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	551	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V07_230908	13-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	592	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V08_230908	14-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	620	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V09_230908	15-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	558	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V10_230908	16-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	520	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V11_230908	17-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	378	Brown fine-grained clayey soil, cement and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
V12_230908	18-Sep-23	Imported Materials	Floor	0-0.1	Redundant	Natural Ground	437	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

C.3.1 Chemical Results - Imported Materials

C.3.1 Chemical Results - Imported Materials									
	4,4-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordane	γ-BHC	DDD	DDT
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Remediation Criteria	-	-	-	6	-	50	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type										
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal										
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal										
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal										
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal										
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal										
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal										
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404										
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404										

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Organochlorine Pesticides								
									Dieldrin	Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Organochlorine pesticides EPAV/c	Other organochlorine pesticides EPAV/c	Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Chlordane (cis)
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.1	0.1	0.05	0.05	0.05	0.05	0.5	0.05	0.05
									-	-	270	-	-	10	20	240	-
Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.1	<0.1	-	<0.05	<0.05	<0.05	-	<0.05	-
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Metals								
									Chlordane (trans)	Arsenic	Cadmium	Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.05	2	0.4	1	2	5	5	0.1	2

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.9	<0.5	-	140	81	<5	<0.1	45
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	8.9	<0.5	-	160	60	<5	<0.1	48
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	5.1	<0.5	-	170	99	<5	<0.1	51
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.8	<0.5	-	130	64	<5	<0.1	40
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.7	<0.5	-	180	79	<5	<0.1	52
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.5	<0.5	-	140	87	<5	<0.1	39
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	11	<0.5	-	140	67	<5	<0.1	38
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	5.1	<0.5	-	220	89	<5	<0.1	62
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	4.5	<0.5	-	260	120	<5	<0.1	72
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.3	<0.5	-	230	100	<5	<0.1	57
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	5	<0.5	-	190	89	<5	<0.1	54
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	2.1	<0.5	-	190	79	<5	<0.1	49
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal				<0.5	53				
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal				<0.5	54				
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal				<0.5	59				
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal				<0.5	55				
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal				<0.5	62				
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal				<0.5	45				
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404				<0.5	47				
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404				<1	170				

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									BTEX								
									Zinc	Benzene	Toluene	Ethylbenzene	Xylene Total	Naphthalene (VOC)	Xylene (o)	Xylene (m & p)	CS - C9
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									5	0.1	0.1	0.1	0.3	0.5	0.1	0.2	20
									7400	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	29	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	32	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	34	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	26	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	35	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	25	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.1	<0.1	<0.1	<0.3	<0.5	<0.1	<0.2	<20
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	29	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.1	<0.1	<0.1	<0.3	<0.5	<0.1	<0.2	<20
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	38	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.1	<0.1	<0.1	<0.3	<0.5	<0.1	<0.2	<20
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	51	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.1	<0.1	<0.1	<0.3	<0.5	<0.1	<0.2	<20
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	39	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.1	<0.1	<0.1	<0.3	<0.5	<0.1	<0.2	<20
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	39	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.1	<0.1	<0.1	<0.3	<0.5	<0.1	<0.2	<20
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	35	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Total Petroleum Hydrocarbons					Total Recoverable Hydrocarbons			
									C10 - C14	C15 - C28	C29 - C36	C10 - C36 (Sum of total)	C10 - C40 (Sum of total)	F1 (C6 - C10)	F1 (C6 - C10) less BTEX	F2 (C10 - C16)	F2 C10 - C16 (minus Naphthalene)
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									20	50	50	50	100	20	20	50	50

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<20	<50	<50	<50	<100	<20	<20	<50	<50
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<20	<50	<50	<50	<100	<20	<20	<50	<50
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<20	<50	<50	<50	<100	<20	<20	<50	<50
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<20	<50	<50	<50	<100	<20	<20	<50	<50
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<20	<50	<50	<50	<100	<20	<20	<50	<50
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<20	<50	<50	<50	<100	<20	<20	<50	<50
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

	ns		Particle Size							
	F3 (C16 - C34)	F4 (C34 - C40)	Description	weight of sample	Chlorpyrifos-methyl	Demeton-S	Ethionap	Fenitrothion	Fensultothion	
	mg/kg	mg/kg	-	g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
EQL	100	100		0.01	0.05	0.2	0.2	0.2	0.2	
Remediation Criteria	-	-	-	-	-	-	-	-	-	

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<100	<100	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<100	<100	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<100	<100	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<100	<100	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<100	<100	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<100	<100	-	-	<0.2	<0.2	<0.2	<0.2	<0.2
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Malathion	Merphos	Omethoate	Pyrazophos	Terbufos	Tokuthion	Azinophos methyl	Boislar (Sulprofos)	Bromophos-ethyl
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.05	0.2	2	0.2	0.2	0.2	0.05	0.2	0.05
Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	-
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	-
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	-
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	-
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	-
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2	-
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Organophosphorous Pesticides								
									Carbophenothion	Chlorfenvinphos	Chlorpyrifos	Coumaphos	Demeton-O	Diazinon	Dichlorvos	Disulfoton	Dimethoate
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.05	0.05	0.05	2	0.2	0.05	0.05	0.2	0.05

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.2	<0.2	<2	<0.2	<0.2	<0.2	<0.2	<0.2
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Ethion	Fenthion	EPN	Methyl parathion	Mevinphos (Phosdim)	Monocrotophos	Naled (Dibrom)	Parathion	Phorate
									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL									0.05	0.05	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Remediation Criteria									-	-	-	-	-	-	-	-	-
Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	<0.2	<0.2	<0.2	<0.2	<2	<0.2	<0.2	<0.2
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									Primpipos-methyl	Prothofos	Ronnel	Trichloronate	Tetrachlorinphos	Acenaphthene	Acenaphthylene	Benz(a)anthracene	Benzo(k)fluoranthene
									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL									0.2	0.05	0.2	0.2	0.2	0.5	0.5	0.5	0.5
Remediation Criteria									-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	-	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	-	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	-	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	-	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	-	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.2	-	<0.2	<0.2	<0.2	<0.5	<0.5	<0.5	<0.5
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

C.3.1 Chemical Results - Imported Materials									
Polycyclic Aromatic Hydrocarbons									
	Chrysene	Benzo(b+i)fluoranthene	Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Half)
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Remediation Criteria	-	-	-	-	-	300	-	3	3

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	0.6
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

C.3.1 Chemical Results - Imported Materials									
							Pesticides		
	Benz(a)pyrene TEQ calc (Zero)	Benz(a)pyrene	Indeno(1,2,3-c,d)pyrene	Pyrene	Naphthalene	Benz(a) pyrene	Fluorene	Demeton-S-methyl	Fenamiphos
EQL	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.05	0.05

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type														
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	-	-	-	-	-
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal														
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal														
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal														
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal														
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal														
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal														
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404														
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404														

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

C.3.1 Chemical Results - Imported Materials									
	Primphos-ethyl	10:2 Fluorotelomer sulfonic acid (10:2 FTS)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	N-Ethyl perfluorooctane sulfonamide (NEFOSA)	N-ethylperfluorooctanesulfonamidoethanol (NEFOSE)	Perfluorononanesulfonic acid (PFNS)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	-	-	-	-	-	-	-	-	-
Remediation Criteria	-	-	-	-	-	-	-	-	-

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

									Per and po								
									Perfluorooctanesulfonic acid (PFOS)	Perfluoropropanesulfonic acid (PFPS)	Perfluorotetradecanoic acid (PFTeDA)	Perfluorotridecanoic acid (PFTrDA)	Sum of enHealth PFAS (PFHxS + PFOS + PFOA)*	Sum of PFAS (WA DER List)_	Sum of PFASs (n=28)	Sum of US EPA PFAS (PFOS + PFOA)*	Perfluorobutane sulfonic acid (PFBS)
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.005	0.005	0.005	0.005	0.005	0.01	0.05	0.005	0.005

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005	<0.005
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005	<0.005
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005	<0.005
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005	<0.005
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005	<0.005
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.05	<0.005	<0.005
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

									lyfluoroalkyl substances								
									Perfluoropentane sulfonic acid (PFPeS)	Perfluorohexane sulfonic acid (PFHxS)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluorodecane sulfonic acid (PFDS)	Perfluorobutanoic acid (PFBA)	Perfluoropentanoic acid (PFPeA)	Perfluorohexanoic acid (PFHxA)	Perfluoroheptanoic acid (PFHpA)	Perfluorooctanoic acid (PFOA)
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

									N-Methylperfluorooctanesulfonamidoethanol (N-MeFOSE)	Perfluorodecanoic acid (PFDA)	Perfluoroundecanoic acid (PFUnDA)	Perfluorododecanoic acid (PFDoDA)	N-ethyl-perfluorooctanesulfonamidoacetic acid (NEFOSAA)	N-methylperfluorooctane sulfonamidoacetic acid (NMeFOSAA)	N-Methyl perfluorooctane sulfonamide (NMeFOSA)	6,2 Fluorotelomer sulfonic acid (6,2 FTS)	Sum (PFHxS + PFOS)
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.005	0.005	0.005	0.005	0.01	0.01	0.005	0.01	0.005

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type									
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	-	-	-	-	-	-	-	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal									
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404									
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404									

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.1 Chemical Results - Imported Materials

C.3.1 Chemical Results - Imported Materials												Other	Physical Parameters	
												Weight Used for % Calculation	Moisture Content (dried @ 103°C)	Moisture Content
EQL												kg	%	%
Remediation Criteria												0.0001	1	1
												-	-	-

Field ID	Date	Sample Area	Material Type	Sample Depth	Sample Location	Main Grouping	Final/Redundant	Sample Type			
CF01_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.6	-
CF02_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.8	-
CF03_230612	12/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	4.1	-
CF_04_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.2	-
CF_05_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3.3	-
CF_06_230918	18/09/2023	Imported Material - Redundant	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	4.9	-
IF01	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	2.4	-
IF01 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	2.4	-
IF02	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<1	-
IF02 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<1	-
IF03	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<1	-
IF03 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<1	-
IF04	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<1	-
IF04 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	<1	-
IF05	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	3	-
IF05 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	2.8	-
IF06	26/10/2023	Imported Material	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	2.8	-
IF06 (Rebatch 8-Metals)	26/10/2023	Imported Material (Rebatch)	Imported Material	Note 3	N/A	Imported Material	Final	Normal	-	2.4	-
LF 01 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal			
LF 02 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal			
LF 03 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal			
LF 04 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal			
LF 05 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal			
LF 06 - 240404	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Normal			
QC100	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Duplicate sample of LF 06 - 240404			
QC200	24/04/2024	Imported Material	Imported Material	Note 4	N/A	Imported Material	Final	Triplicate sample of LF 06 - 240404			

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

Note 3: Sample collected directly from stockpiled materials

Note 4: Sample sites LF01 to LF06 were replicated on the 24/4/2024 and the samples were analysed for Cr (Total) and Cr (VI)

C.3.2 Asbestos Results - Imported Material

Sample ID	Sample Date	Main Grouping	Location	Final/ Redunant	Material Type	Sample Depth	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
										Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
CF01_230612	12-Sep-23	Imported Materials	N/A	Final	Imported Materials	Note 1	987	Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
CF02_230612	12-Sep-23	Imported Materials	N/A	Final	Imported Materials	Note 1	982	Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
CF02_230612	12-Sep-23	Imported Materials	N/A	Final	Imported Materials	Note 1	1022	Sample consisted of: Brown coarse-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
IF01	26-Oct-23	Imported Materials	N/A	Final	Imported Materials	Note 1	981	Sample consisted of: Brown fine-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
IF02	26-Oct-23	Imported Materials	N/A	Final	Imported Materials	Note 1	979	Sample consisted of: Brown fine-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
IF03	26-Oct-23	Imported Materials	N/A	Final	Imported Materials	Note 1	857	Sample consisted of: Brown fine-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
IF04	26-Oct-23	Imported Materials	N/A	Final	Imported Materials	Note 1	655	Sample consisted of: Brown fine-grained soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
IF05	26-Oct-23	Imported Materials	N/A	Final	Imported Materials	Note 1	734	Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
IF06	26-Oct-23	Imported Materials	N/A	Final	Imported Materials	Note 1	773	Sample consisted of: Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-

Note 1: sample collected from stockpiled materials

C.4.1 Chemical Results - Redundant Samples

									4,4-DDE	p,p'-BHC	Aldrin	Aldrin + Dieldrin	p,p'-BHC	chlordane	p,p'-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									-	-	-	6	-	50	-	-	-	-	270	270

Field ID	Date	Sample Area	Material Type	Sample Location	Sample Depth (m bgs)	Main Grouping	Final/Redundant	Sample Type												
HSB09	18/10/2023	Northern Boundary	Natural Ground	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	1	<0.05	<0.1	<0.05	<0.05	<0.05	1	<0.05	<0.05
HSB10	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB11	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB12	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB13	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB14	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	0.08	<0.05	<0.1	<0.05	<0.05	<0.05	0.08	<0.05	<0.05
HSB15	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	0.08	<0.05	<0.1	<0.05	<0.05	<0.05	0.08	<0.05	<0.05
HSB16	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB17	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	0.24	<0.05	<0.1	<0.05	<0.05	<0.05	0.24	<0.05	<0.05
HSB01_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB01_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.35	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB01_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.5	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB02_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB02_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.3	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB02_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.4	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB03_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
HSB03_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
QC06_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Duplicate of HSB03_ASH_230920	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
QC07_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Triplicate of HSB03_ASH_230920	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	<0.05	<0.05
HSB03_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.6	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.4.1 Chemical Results - Redundant Samples

Organochlorine Pesticides												
Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Organochlorine pesticides EPA/Vic	Other organochlorine pesticides EPA/Vic	Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	
mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.05	0.05	0.05	0.05	
10	-	-	-	6	300	-	-	270	-	-	10	

Field ID	Date	Sample Area	Material Type	Sample Location	Sample Depth (m bgs)	Main Grouping	Final/Redundant	Sample Type												
HSB09	18/10/2023	Northern Boundary	Natural Ground	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1	<0.1	-	<0.05	<0.05	<0.05
HSB10	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<0.5
HSB11	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<0.5
HSB12	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<0.5
HSB13	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<0.5
HSB14	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB15	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB16	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1	<1	-	<0.5	<0.5	<0.5
HSB17	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.24	<0.1	-	<0.05	<0.05	<0.05
HSB01_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB01_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.35	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB01_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.5	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB02_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB02_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.3	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB02_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.4	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB03_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
HSB03_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
QC06_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Duplicate of HSB03_ASH_230920	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05
QC07_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Triplicate of HSB03_ASH_230920	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	-	<0.05	<0.05	<0.05	<0.05
HSB03_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.6	Boundary	Redundant	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.1	-	<0.05	<0.05	<0.05

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.4.1 Chemical Results - Redundant Samples

C.4.1 Chemical Results - Redundant Samples									Metals											
									Toxaphene	DDT+DDE+DDD	Chlordane (cis)	Chlordane (trans)	Arsenic	Cadmium	Chromium (hexavalent)	Chromium (Total)	Copper	Lead	Mercury	Nickel
									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL									0.5	0.05	0.05	0.05	2	0.4	1	2	5	5	0.1	2
Remediation Criteria									20	240	-	-	160 (Note 1)	20	100	12000 (Note 2)	6000	300	40	400
Field ID	Date	Sample Area	Material Type	Sample Location	Sample Depth (m bgs)	Main Grouping	Final/Redundant	Sample Type												
HSB09	18/10/2023	Northern Boundary	Natural Ground	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.05	-	-	80	<0.4	-	48	26	170	0.1	22
HSB10	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<10	<0.5	-	-	30	<0.4	-	69	27	100	<0.1	40
HSB11	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<10	<0.5	-	-	23	<0.4	-	45	19	120	0.1	23
HSB12	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<10	<0.5	-	-	21	<0.4	-	120	19	66	<0.1	35
HSB13	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<10	<0.5	-	-	10	<0.4	-	79	19	50	<0.1	21
HSB14	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.05	-	-	4.5	<0.4	-	43	7.6	6.8	<0.1	11
HSB15	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.05	-	-	22	<0.4	-	28	9	19	<0.1	6.8
HSB16	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<10	<0.5	-	-	16	<0.4	-	80	16	31	<0.1	22
HSB17	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	<0.5	<0.05	-	-	12	0.4	-	48	33	130	0.2	19
HSB01_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	-	<0.05	-	-	23	<0.5	-	41	27	280	<0.1	18
HSB01_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.35	Boundary	Redundant	Normal	-	<0.05	-	-	20	<0.5	-	22	33	39	<0.1	14
HSB01_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.5	Boundary	Redundant	Normal	-	<0.05	-	-	12	<0.5	-	50	9.1	5.2	<0.1	22
HSB02_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	-	<0.05	-	-	35	<0.5	-	28	68	210	<0.1	40
HSB02_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.3	Boundary	Redundant	Normal	-	<0.05	-	-	12	<0.5	-	8.1	23	40	<0.1	6
HSB02_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.4	Boundary	Redundant	Normal	-	<0.05	-	-	8.2	<0.5	-	54	8.4	11	<0.1	24
HSB03_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	-	<0.05	-	-	13	<0.5	-	42	26	200	<0.1	26
HSB03_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Normal	-	<0.05	-	-	21	<0.5	-	11	37	48	<0.1	11
QC06_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Duplicate of HSB03_ASH_230920	-	<0.05	-	-	18	<0.5	-	8.3	40	62	<0.1	11
QC07_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Triplicate of HSB03_ASH_230920	-	<0.05	<0.05	<0.05	24	<1	-	6	39	44	<0.1	9
HSB03_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.6	Boundary	Redundant	Normal	-	<0.05	-	-	3.5	<0.5	-	53	5.9	<5	<0.1	18

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.4.1 Chemical Results - Redundant Samples

	Polycyclic Aromatic Hydrocart											
	Zinc	Acenaphthene	Acenaphthylene	Benz(a)anthracene	Benzo(k)fluoranthene	Chrysene	Benzo(b+j)fluoranthene	Dibenz(a,h)anthracene	Fluoranthene	Phenanthrene	PAHs (Sum of total)	Anthracene
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL	5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Remediation Criteria	7400	-	-	-	-	-	-	-	-	-	300	-

Field ID	Date	Sample Area	Material Type	Sample Location	Sample Depth (m bgs)	Main Grouping	Final/Redundant	Sample Type											
HSB09	18/10/2023	Northern Boundary	Natural Ground	Floor	0-0.1	Boundary	Redundant	Normal	480	-	-	-	-	-	-	-	-	-	-
HSB10	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	380	-	-	-	-	-	-	-	-	-	-
HSB11	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	280	-	-	-	-	-	-	-	-	-	-
HSB12	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	180	-	-	-	-	-	-	-	-	-	-
HSB13	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	140	-	-	-	-	-	-	-	-	-	-
HSB14	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	18	-	-	-	-	-	-	-	-	-	-
HSB15	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	77	-	-	-	-	-	-	-	-	-	-
HSB16	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	140	-	-	-	-	-	-	-	-	-	-
HSB17	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	310	-	-	-	-	-	-	-	-	-	-
HSB01_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	440	-	-	-	-	-	-	-	-	-	-
HSB01_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.35	Boundary	Redundant	Normal	110	<0.5	<0.5	<0.5	<0.5	0.6	<0.5	<0.5	<0.5	0.6	<0.5
HSB01_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.5	Boundary	Redundant	Normal	19	-	-	-	-	-	-	-	-	-	-
HSB02_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	290	-	-	-	-	-	-	-	-	-	-
HSB02_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.3	Boundary	Redundant	Normal	80	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB02_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.4	Boundary	Redundant	Normal	26	-	-	-	-	-	-	-	-	-	-
HSB03_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	400	-	-	-	-	-	-	-	-	-	-
HSB03_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Normal	72	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC06_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Duplicate of HSB03_ASH_230920	79	-	-	-	-	-	-	-	-	-	-
QC07_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Triplicate of HSB03_ASH_230920	80	-	-	-	-	-	-	-	-	-	-
HSB03_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.6	Boundary	Redundant	Normal	14	-	-	-	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.4.1 Chemical Results - Redundant Samples

									ons								
									Benz(a)pyrene TEQ (LOR)	Benz(a)pyrene TEQ calc (Half)	Benz(a)pyrene TEQ calc (Zero)	Benz(a,g,h,i)perylene	Indeno(1,2,3-c,d)pyrene	Pyrene	Naphthalene	Benz(a) pyrene	Fluorene
EQL									mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Remediation Criteria									0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

Field ID	Date	Sample Area	Material Type	Sample Location	Sample Depth (m bgs)	Main Grouping	Final/Redundant	Sample Type									
HSB09	18/10/2023	Northern Boundary	Natural Ground	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB10	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB11	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB12	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB13	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB14	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB15	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB16	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB17	18/10/2023	Northern Boundary	Topsoil	Floor	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB01_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB01_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.35	Boundary	Redundant	Normal	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB01_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.5	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB02_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB02_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.3	Boundary	Redundant	Normal	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
HSB02_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.4	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB03_TS_230920	20/09/2023	Newdegate St Boundary	Topsoil	Wall	0-0.1	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-
HSB03_ASH_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Normal	1.2	0.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
QC06_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Duplicate of HSB03_ASH_230920	-	-	-	-	-	-	-	-	-
QC07_230920	20/09/2023	Newdegate St Boundary	Ash Fill	Wall	0.5	Boundary	Redundant	Triplicate of HSB03_ASH_230920	-	-	-	-	-	-	-	-	-
HSB03_NW_230920	20/09/2023	Newdegate St Boundary	Natural Ground	Wall	0.6	Boundary	Redundant	Normal	-	-	-	-	-	-	-	-	-

Note 1: Modified Arsenic Criteria - Refer to Appendix K

Note 2: Modified criteria for Chromium (Total) based on USEPA Chromium III (refer to Section 7.3 in the Validation Report)

C.4.2 Asbestos Results - Redundant Samples

Sample ID	Sample Date	Main Grouping	Location	Sample Depth (m bgs)	Final/ Redunant	Material Type	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
										Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HSB01_TS_230920	20-Sep-23	Western Boundary	Wall	0-0.1	Redundant	Topsoil	638	Brown coarse grained sandy clayey soil, rocks and debris	ACM: Chrysotile asbestos detected in fibre cement material. Approximate raw weight of ACM = 0.17g Total estimated asbestos content in ACM = 0.017g* Total estimated asbestos concentration in ACM = 0.0027% w/w* No asbestos detected at the reporting limit of 0.01% w/w.* Organic fibre detected. No trace asbestos detected.	0.0027%	Non-detect	-
HSB01_ASH_230920	20-Sep-23	Newdegate St Boundary	Wall	0.35	Redundant	Ash Fill	534	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB01_NW_230920	20-Sep-23	Newdegate St Boundary	Wall	0.5	Redundant	Natural Ground	689	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_TS_230920	20-Sep-23	Newdegate St Boundary	Wall	0-0.1	Redundant	Topsoil	575	Brown coarse grained sandy clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_ASH_230920	20-Sep-23	Newdegate St Boundary	Wall	0.3	Redundant	Ash Fill	526	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB02_NW_230920	20-Sep-23	Newdegate St Boundary	Wall	0.4	Redundant	Natural Ground	639	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB03_TS_230920	20-Sep-23	Newdegate St Boundary	Wall	0-0.1	Redundant	Topsoil	550	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB03_ASH_230920	20-Sep-23	Newdegate St Boundary	Wall	0.5	Redundant	Ash Fill	547	Brown coarse-grained soil, coal, rocks and debris	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB03_NW_230920	20-Sep-23	Newdegate St Boundary	Wall	0.6	Redundant	Natural Ground	563	Brown fine-grained clayey soil, coal and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
QC06_230920	20-Sep-23	Newdegate St Boundary	Wall	0.5	Redundant	Ash Fill	47	Brown coarse-grained soil, coal and rocks	No asbestos detected at the reporting limit of 0.01% w/w. Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB09	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Natural Ground	359	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB10	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	526	Brown fine-grained clayey soil and rocks	AF: Chrysotile asbestos detected in the form of loose fibre bundles. Approximate raw weight of AF = 0.071g* Estimated asbestos content in AF = 0.064g* Total estimated asbestos concentration in AF = 0.012% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.012%	-
HSB11	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	446	Brown fine-grained clayey soil, organic debris and rocks	AF: Chrysotile asbestos detected in the form of loose fibre bundles. Approximate raw weight of AF = 0.080g* Estimated asbestos content in AF = 0.072g* Total estimated asbestos concentration in AF = 0.016% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.016%	-

C.4.2 Asbestos Results - Redundant Samples

Sample ID	Sample Date	Main Grouping	Location	Sample Depth (m bgs)	Final/ Redunant	Material Type	Sample Mass (g)	Sample Description	Asbestos Reported Result	NEPM HIL-A Criteria		Sample ID Comment
										Bonded ACM 0.01 %	Friable Asbestos (FA and AF) 0.001%	
HSB12	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	548	Brown fine-grained clayey soil, organic debris and rocks	AF: Chrysotile asbestos detected in the form of loose fibre bundles. Approximate raw weight of AF = 0.029g* Estimated asbestos content in AF = 0.026g* Total estimated asbestos concentration in AF = 0.0047% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.0047%	-
HSB13	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	535	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB14	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	530	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB15	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	663	Brown fine-grained clayey soil and rocks	No asbestos detected at the reporting limit of 0.001% w/w.* Organic fibre detected. No trace asbestos detected.	Non-detect	Non-detect	-
HSB16	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	617	Brown fine-grained clayey soil and rocks	AF: Chrysotile asbestos detected in the form of loose fibre bundles. Approximate raw weight of AF = 0.027g* Estimated asbestos content in AF = 0.024g* Total estimated asbestos concentration in AF = 0.0039% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.0039%	-
HSB17	18-Oct-23	Northern Boundary	Floor	0-0.1	Redundant	Topsoil	620	Brown fine-grained clayey soil, glass, organic debris and rocks	FA: Chrysotile asbestos detected in weathered fibre plaster material. Approximate raw weight of FA = 0.023g Estimated asbestos content in FA = 0.0092g* Total estimated asbestos concentration in FA = 0.0015% w/w* Organic fibre detected. No trace asbestos detected.	Non-detect	0.0015%	-

C.5.1 Chemical Results - Area 1C Confirmatory Samples for Waste Disposal

C.5.1 Chemical Results - Area 1C Confirmatory Samples for Waste Disposal	Organochlorine Pesticides																									
	4,4-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordan	γ-BHC	DDD	DDT	Dieldrin	Endosulfan I	Endosulfan II	Endrin	Endrin aldehyde	Endrin ketone	γ-BHC (Lindane)	Heptachlor	Methoxychlor	Endosulfan	Endosulfan sulphate	Heptachlor epoxide	Hexachlorobenzene	Toxaphene	DDT+DDE+DDD	Total OCP	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
EQL	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.1	
SYNTHETICALLY LINED LANDFILL DISPOSAL CRITERIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	

Field ID	Date	Sample	Sample Depth	Material Type	Sample Type																										
		Area	(m bgs)																												
1C1_230831	31/08/2023	Area 1C	0-0.1	Surface Sample	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.1	
1C2_230831	31/08/2023	Area 1C	0-0.1	Surface Sample	Normal	<0.05	<0.05	<0.05	11	<0.05	<0.1	<0.05	<0.05	<0.05	11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	11
1C3_230831	31/08/2023	Area 1C	0-0.1	Surface Sample	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.1
1C4_230831	31/08/2023	Area 1C	0-0.1	Surface Sample	Normal	<0.05	<0.05	<0.05	0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.1
1C5_230831	31/08/2023	Area 1C	0-0.1	Surface Sample	Normal	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	-	<0.05	<0.05	<0.05	-	<0.05	<0.1
1C6_230831	31/08/2023	Area 1C	0-0.1	Surface Sample	Normal	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	-	<0.5	<0.5	<0.5	-	<0.5	<0.5

C.5.2 Chemical Results - Area 1C Confirmatory Samples for Waste Disposal - Organochlorine Pesticides - TCLP Results

[illegible][illegible]

C.6 Chemical Results - Arsenic TCLP and ASLP Results

	µg/L
EQL	10

Field ID	Date	Sample Depth (m bgs)	Lab Report Number	Matrix Type	Leach Test	
HSA02_TS_230920	20 Sep 2023	0-0.1	1037505	Soil	ASLP	1,300
HSA02_TS_230920	20 Sep 2023	0-0.1	1037505	Soil	TCLP	2,500
HSA03_TS_230920	20 Sep 2023	0-0.1	1037505	Soil	ASLP	530
HSA03_TS_230920	20 Sep 2023	0-0.1	1037505	Soil	TCLP	980

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	Asbestos			Organochlorine Pesticides																								Polyaromatic Hydrocarbons												
				Asbestos (ID) (ND - not detected)	ACM (w/w)	Asbestos Fines (w/w)	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endrin aldehyde	Endrin ketone	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Total OCP	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(g,h,i)perylene			
Units			-	-	-	-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			-	-	-	-	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
EIL - Res/Open Space				-	-	-								180																										0.7			
HIL-A Residential				-	0.01%	0.001%				6		50				240				270			10		6		10	300	20		3	3	3										
SS01	0-0.1	ACM	16/07/2013	Chrysotile		0.007% (*)	1.3	<0.05	<0.05	<0.12	<0.05	0.9	<0.05	1.7	3.7	6.7	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	7.67	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SS02	0-0.1	ACM	16/07/2013	Chrysotile		0.022% (*)	<0.05	<0.05	<0.05	<0.25	<0.05	20	<0.05	<0.05	0.12	<0.22	0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	<0.1	20.58	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SS03	0-0.1		16/07/2013	ND		ND	0.09	<0.05	0.11	1.81	<0.05	0.3	<0.05	<0.05	0.13	<0.27	1.7	<0.05	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	2.4	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
SS04	0-0.1		16/07/2013	ND		ND	<0.05	<0.05	<0.05	1.15	<0.05	8.2	<0.05	<0.05	<0.05	<0.15	1.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.24	<0.05	<0.05	<0.1	9.54	-	-	-	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5		
SA01/A01	0-0.1	ACM	25/09/2013	Chrysotile		0.0005%																																					
SA02/A02	0-0.1		25/09/2013																																								
SA03/A03	0-0.1		25/09/2013																																								
SA04/A04	0-0.1	Slag, Brick	25/09/2013	ND		ND																																					
SA05/A05	0-0.1	Slag	25/09/2013																																								
SA06/A06	0-0.1	Slag	25/09/2013	ND		ND																																					
SA06/A06	0.3-0.4	Slag	25/09/2013	ND		ND																																					
SA07/A07	0-0.1		25/09/2013	ND		ND																																					
SA08/A08	0-0.1	Slag, Concrete, Wood	25/09/2013	ND		ND																																					
SA09/A09	0-0.1		25/09/2013	ND		ND																																					
SA10/A10	0-0.1	Slag	25/09/2013	ND		ND																																					
SA11/A11	0-0.1		25/09/2013	ND		ND																																					
SA13/A13	0-0.1		25/09/2013	ND		ND																																					
Main Hall (under building)	Grab sample	ACM	25/09/2013		0.0149%																																						
Accommodation Building (under building)	Grab sample	ACM	25/09/2013		0.0303%																																						
Unsealed External Areas	0-0.01		25/09/2013		0.0084%																																						
A01, A04, A10	0.15		25/09/2013		0.0090%																																						
A06, A10	0.15		25/09/2013		0.0038%																																						
HA01	0-0.1		25/09/2013				0.27	-	0.07	0.21	< 0.05	31	< 0.05	0.08	1.1	1.45	0.14	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	0.13	< 0.05	< 0.05	< 0.05	< 1	32.79	-	-	-	-	-	-	-	-	-		

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	Asbestos			Organochlorine Pesticides																								Polyaromatic Hydrocarbons														
				Asbestos (ID) (ND - not detected)	ACM (w/w)	Asbestos Fines (w/w)	4,4'DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endrin aldehyde	Endrin ketone	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Total OCP	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene					
Units			-	-	-	-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
EQL			-	-	-	-	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
EIL - Res/Open Space				-	-	-								180																												0.7			
HIL-A Residential				-	0.01%	0.001%				6		50				240					270			10		6		10	300	20		3	3	3											
QC04 (TRIP 2-0.3)	0.3		1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	0.23	<0.05	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.2	-	0.23															
3-0.0	0-0.1		1/10/2019				0.05	<0.05	<0.05	<0.05	<0.05	1.9	<0.05	0.27	0.59	0.91	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	2.81	-	-	-	-	-	-	-	-	-	-	-	-			
3-0.35	0.35		1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.1															
4-0.0	0-0.1		1/10/2019				0.31	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	4.1	4.41	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	4.41	-	-	-	-	-	-	-	-	-	-	-	-			
4-0.35	0.35		1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.1															
5-0.0	0-0.1		1/10/2019				1.3	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	1.5	5.4	8.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	8.2	-	-	-	-	-	-	-	-	-	-	-	-			
5-0.35	0.35		1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	<0.1															
6-0.0	0-0.1		1/10/2019				0.17	<0.05	<0.05	0.08	<0.05	5.5	<0.05	0.06	<0.05	0.23	0.08	0.07	<0.05	<0.05	<0.05	<0.05	0.05	<0.05	0.26	0.89	<0.05	<0.05	<1	7.08	-	-	-	-	-	-	-	-	-	-	-	-			
6-0.45	0.45	Slag	1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	0.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	<1	0.76	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
6P-0.0 (HA02)	0-0.1		1/10/2019				0.19	<0.05	<0.05	<0.05	<0.05	4.2	<0.05	0.06	0.33	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	4.78	-	-	-	-	-	-	-	-	-	-	-	-			
6P-0.3 (HA02)	0.3		1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	0.3															
7-0.0	0-0.1		1/10/2019				0.26	<0.05	<0.05	<0.05	<0.05	16	<0.05	0.08	<0.05	0.34	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	1	3.4	<0.05	<0.05	<1	21.1	-	-	-	-	-	-	-	-	-	-	-	-			
7-0.45	0.45	Slag	1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	<0.05	<0.05	<1	0.58	0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			
7P-0.0 (HA03)	0-0.1		1/10/2019				0.15	<0.05	<0.05	<0.05	<0.05	2.3	<0.05	0.05	0.17	0.37	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	2.76	-	-	-	-	-	-	-	-	-	-	-	-				
7P-0.25 (HA03)	0.25		1/10/2019				<0.05	<0.05	<0.05	<0.05	<0.05	0.4	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<1	0.4															
8-																																													

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	Asbestos			Organochlorine Pesticides																				Polyaromatic Hydrocarbons																			
				Asbestos (ID) (ND - not detected)	ACM (w/w)	Asbestos Fines (w/w)	4,4'-DDE	α-BHC	Aldrin	Aldrin + Dieldrin	β-BHC	chlordane	γ-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endrin aldehyde	Endrin ketone	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	γ-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Total OCP	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benz(a)anthracene	Benzo(a) pyrene	Benzo(g,h,i)perylene						
Units				-	-	-	-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
EQL				-	-	-	-	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
EIL - Res/Open Space				-	-	-	-								180																											0.7				
HIL-A Residential				-	0.01%	0.001%	-				6		50				240				270			10		6		10	300	20		3	3	3												
18-0.0	0-0.1		1/10/2019				2.2	<0.05	<0.05	0.61	<0.05	<0.1	<0.05	0.35	3.8	6.35	0.61	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
18-0.2	0.2		1/10/2019				0.11	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	0.07	0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
32-0.0	0-0.1		1/10/2019				1.4	<0.05	<0.05	0.3	<0.05	0.1	<0.05	2.1	23	26.5	0.3	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
34-0.0	0-0.1		1/10/2019				1	<0.05	0.49	17.49	<0.05	<0.1	<0.05	0.15	0.51	1.66	17	<0.05	0.22	<0.05	<0.05	<0.05	<0.05	0.18	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
36-0.0	0-0.1		1/10/2019				0.07	<0.05	<0.05	20	<0.05	<0.1	<0.05	<0.05	<0.05	0.07	20	<0.05	0.12	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH01_0.1	0.1		3/09/2021				0.16	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH02_0.1	0.1		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH03_0.1	0.1		3/09/2021				0.39	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	0.06	0.31	0.76	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH04_0.1	0.1		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH05_0.1	0.1		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH06_0.1	0.1		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH06_0.3	0.3	Ash, slag fragments	3/09/2021	ND			<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH06_0.5	0.5		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH07_0.1	0.1		3/09/2021	ND			<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH07_0.3	0.3		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH08_0.1	0.1		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH08_0.3	0.3		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH12_0.1	0.1		3/09/2021	ND			0.47	<0.05	<0.05	0.21	<0.05	0.2	<0.05	0.34	18	18.81	0.21	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH13_0.1	0.1		3/09/2021	ND			<0.05	<0.05	<0.05	0.1	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH14_0.1	0.1		3/09/2021	ND			<0.05	<0.05	0.15	9.15	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	9	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH14_0.3	0.3		3/09/2021				<0.05	<0.05	<0.05	0.91	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	0.91	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH14_0.5	0.5		3/09/2021				<0.05	<0.05	<0.05	0.24	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	0.24	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	&

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	Asbestos			Organochlorine Pesticides																								Polyaromatic Hydrocarbons														
				Asbestos (ID) (ND - not detected)	ACM (w/w)	Asbestos Fines (w/w)	4,4-DDE	a-BHC	Aldrin	Aldrin + Dieldrin	b-BHC	chlordane	d-BHC	DDD	DDT	DDT+DDE+DDD	Dieldrin	Endrin aldehyde	Endrin ketone	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	g-BHC (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Total OCP	Benzo(a)pyrene TEQ calc (Half)	Benzo(a)pyrene TEQ (LOR)	Benzo(a)pyrene TEQ calc (Zero)	Benzo(b+j)fluoranthene	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(g,h,i)perylene					
Units			-	-	-	-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
EQL			-	-	-	-	0.05	0.05	0.05	0.05	0.05	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	1	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
EIL - Res/Open Space				-	-	-								180																											0.7				
HIL-A Residential				-	0.01%	0.001%				6		50				240				270			10		6		10	300	20		3	3	3												
BH20_0.3	0.3		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH20_0.5	0.5		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	
BH21_0.1	0.1		3/09/2021				<0.05	<0.05	98	103.2	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	5.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	103.2			
BH21_0.3	0.3		3/09/2021				0.07	<0.05	0.98	1.41	<0.05	<0.1	<0.05	<0.05	<0.05	0.07	0.43	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.48		
BH21_0.5	0.5		3/09/2021				<0.05	<0.05	0.12	0.12	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12		
MW01 - 0.1	0.1		17/11/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW01 - 0.25	0.25		17/11/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW01 - 0.50	0.5		17/11/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
MW01_0.75	0.75		17/11/2021																																										
MW01_1.0	1		17/11/2021																																										
SLAG-1	0-0.1		3/09/2021																													0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	
SLAG-2	0-0.1		3/09/2021																													0.6	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
BH01_CONCRETE	0-0.2		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BH03_CONCRETE	0-0.2		3/09/2021				<0.05	<0.05	<0.05	<0.05	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	rocarbons (PAH)										Metals								TRH				BTEX							Other							
				Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Chromium (hexavalent)	C6-C10	C10-C16	C16-C34	C34-C40	Benzene	Toluene	Ethyl benzene	Xylene (m & p)	Xylene (o)	Xylenes	Total BTEX	CEC	pH					
Units			-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg								
EQL			-	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.1	5	5	1																		
EIL - Res/Open Space										170				100		245	196	1112		287	420		180	120	300	2800														
HIL-A Residential											300			100	20	100	6000	300	10	400	7400	100	45	110	2500	10000														
SS01	0-0.1	ACM	16/07/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	32	0.7	54	21	39	<0.1	35	760		<20	<50	<100	<100	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3								
SS02	0-0.1	ACM	16/07/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	10	1.4	12	27	100	<0.1	8.4	2000		<20	<50	<100	<100	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3								
SS03	0-0.1		16/07/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	16	0.4	42	20	75	<0.1	18	190		<20	<50	<100	<100	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3								
SS04	0-0.1		16/07/2013	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	10	0.6	22	33	72	<0.1	11	250		<20	<50	260	<100	<0.1	<0.1	<0.1	<0.2	<0.1	<0.3								
SA01/A01	0-0.1	ACM	25/09/2013																																					
SA02/A02	0-0.1		25/09/2013																																					
SA03/A03	0-0.1		25/09/2013																																					
SA04/A04	0-0.1	Slag, Brick	25/09/2013																																					
SA05/A05	0-0.1	Slag	25/09/2013																																					
SA06/A06	0-0.1	Slag	25/09/2013																																					
SA06/A06	0.3-0.4	Slag	25/09/2013																																					
SA07/A07	0-0.1		25/09/2013																																					
SA08/A08	0-0.1	Slag, Concrete, Wood	25/09/2013																																					
SA09/A09	0-0.1		25/09/2013																																					
SA10/A10	0-0.1	Slag	25/09/2013																																					
SA11/A11	0-0.1		25/09/2013																																					
SA13/A13	0-0.1		25/09/2013																																					
Main Hall (under building)	Grab sample	ACM	25/09/2013																																					
Accomodation Building (under building)	Grab sample	ACM	25/09/2013																																					
Unsealed External Areas	0-0.01		25/09/2013																																					
A01, A04, A10	0.15		25/09/2013																																					
A06, A10	0.15		25/09/2013																																					
HA01	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	9.3	< 0.4	39	8.1	7.3	< 0.1	20	64																			
HA02	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	14	< 0.4	44	6.4	15	< 0.1	24	44																			
HA03	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	20	< 0.4	69	12	27	< 0.1	25	92																			
HA04	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	14	< 0.4	54	11	14	< 0.1	16	26																			
HA05	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	17	< 0.4	66	9.2	10	< 0.1	19	45																			
QC01 (DUP HA05)	0-0.1		26/09/2013											21	< 0.4	73	10	16	< 0.1	20	54																			
QC01A (TRIP HA05)	0-0.1		26/09/2013											11	< 0.4	90	12	20	< 0.1	27	74																			
HA06/SA11	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	22	< 0.4	88	9.3	13	< 0.1	19	41																			
HA07/SA12	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	15	< 0.4	43	13	63	< 0.1	15	140														30	5.8				
HA08/SA13	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	10	< 0.4	39	14	50	< 0.1	11	72																			
HA09	0-0.2		25/09/2013	-	-	-	-	-	-	-	-	-	-	10	< 0.4	25	24	120	0.1	8.8	380																			
HA10	0-0.2	Slag, Coal	25/09/2013	-	-	-	-	-	-	-	-	-	-	19	< 0.4	22	19	120	< 0.1	8.7	330																			
HA11	0-0.1		25/09/2013	-	-	-	-	-	-	-	-	-	-	23	< 0.4	50	15	140	< 0.1	13	450														25	6.3				
1-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
1-0.3	0.3		1/10/2019																																					
2-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
QC01 (DUP 2-0.0)	0-0.1-																																							

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	rocarbons (PAH)										Metals								TRH				BTEX							Other						
				Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Chromium (hexavalent)	C6-C10	C10-C16	C16-C34	C34-C40	Benzene	Toluene	Ethyl benzene	Xylene (m & p)	Xylene (o)	Xylenes	Total BTEX	CEC	pH				
Units				-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg						
EQL				-	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.1	5	5	1																
EIL - Res/Open Space										170				100		245	196	1112		287	420		180	120	300	2800													
HIL-A Residential										300				100	20	100	6000	300	10	400	7400	100	45	110	2500	10000													
QC04 (TRIP 2-0.3)	0.3		1/10/2019																																				
3-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
3-0.35	0.35		1/10/2019																																				
4-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
4-0.35	0.35		1/10/2019																																				
5-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
5-0.35	0.35		1/10/2019																																				
6-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
6-0.45	0.45	Slag	1/10/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.1	<0.4	<5	11	32	<0.1	5.8	72																		
6P-0.0 (HA02)	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
6P-0.3 (HA02)	0.3		1/10/2019																																				
7-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
7-0.45	0.45	Slag	1/10/2019	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.6	<0.4	<5	12	19	<0.1	5.8	51																		
7P-0.0 (HA03)	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
7P-0.25 (HA03)	0.25		1/10/2019																																				
8-0.0	0		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
8-0.42	0.42		1/10/2019																																				
9-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
9-0.42	0.42		1/10/2019																																				
9P-0.0 (HA09)	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
9P-0.45 (HA09)	0.45		1/10/2019																																				
10-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
10-0.45	0.45		1/10/2019																																				
11-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
11-0.45	0.45		1/10/2019																																				
12-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
12-0.25	0.25		1/10/2019																																				
13P-0.0 (HA07)	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
13P-0.2 (HA07)	0.2		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
14-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
14-0.45	0.45		1/10/2019																																				
14P-0.0 (HA10)	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
QC07 (DUP 14P-0.0)	0-0.1		1/10/2019																																				
QC08 (TRIP 14P-0.0)	0-0.1		1/10/2019																																				
14P-0.42 (HA10)	0.42		1/10/2019																																				
QC09 (DUP 14P-0.42)	0-0.1		1/10/2019																																				
QC10 (TRIP 14P-0.42)	0-0.1		1/10/2019																																				
15-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
16-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
16-0.45	0.45		1/10/2019																																				
17-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
17-0.25	0.25		1/10/2019																																				

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	rocarbons (PAH)										Metals								TRH				BTEX							Other							
				Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Chromium (hexavalent)	C6-C10	C10-C16	C16-C34	C34-C40	Benzene	Toluene	Ethyl benzene	Xylene (m & p)	Xylene (o)	Xylenes	Total BTEX	CEC	pH					
Units			-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg								
EQL			-	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.1	5	5	1																		
EIL - Res/Open Space										170				100		245	196	1112		287	420		180	120	300	2800														
HIL-A Residential										300				100	20	100	6000	300	10	400	7400	100	45	110	2500	10000														
18-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
18-0.2	0.2		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
32-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
34-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
36-0.0	0-0.1		1/10/2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
BH01_0.1	0.1		3/09/2021											<2	<0.4	45	6.1	5.6	<0.1	22	22																			
BH02_0.1	0.1		3/09/2021											<2	<0.4	37	<5	<5	<0.1	18	16																			
BH03_0.1	0.1		3/09/2021											6.5	<0.4	70	6.6	40	<0.1	22	29																			
BH04_0.1	0.1		3/09/2021											3.4	<0.4	49	<5	<5	<0.1	9.2	16																			
BH05_0.1	0.1		3/09/2021											12	<0.4	75	7.1	5.5	<0.1	14	19																			
BH06_0.1	0.1		3/09/2021											4.6	<0.4	5.6	6.4	6.6	<0.1	<5	19																			
BH06_0.3	0.3	Ash, slag fragments	3/09/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.7	<0.4	13	5.9	11	<0.1	<5	24																			
BH06_0.5	0.5		3/09/2021											8.8	<0.4	150	21	<5	<0.1	45	27																			
BH07_0.1	0.1		3/09/2021											7	<0.4	5.6	7.4	6.6	<0.1	<5	19																			
BH07_0.3	0.3		3/09/2021											8.7	<0.4	170	10	6.7	<0.1	30	32																			
BH08_0.1	0.1		3/09/2021											4.6	<0.4	100	6.7	<5	<0.1	15	14																			
BH08_0.3	0.3		3/09/2021											3.7	<0.4	110	11	<5	<0.1	26	20																			
BH12_0.1	0.1		3/09/2021											6.4	0.9	79	21	54	<0.1	66	160																			
BH13_0.1	0.1		3/09/2021											10	0.5	73	30	110	<0.1	25	250																			
BH14_0.1	0.1		3/09/2021											7.7	<0.4	16	13	120	<0.1	6.9	210																			
BH14_0.3	0.3		3/09/2021											6.1	<0.4	6.7	7.8	33	<0.1	<5	48																			
BH14_0.5	0.5		3/09/2021											2.1	<0.4	59	6.7	6.7	<0.1	17	20																			
BH15_0.1	0.1		3/09/2021											7.3	<0.4	32	25	160	<0.1	13	250																			
BH15_0.3	0.3		3/09/2021											6.7	<0.4	67	8.6	9.8	<0.1	14	26																			
BH15_0.5	0.5		3/09/2021											6.8	<0.4	66	11	<5	<0.1	15	18																			
BH16_0.1	0.1		3/09/2021											19	<0.4	30	20	160	<0.1	9.5	320																			
BH16_0.3	0.3		3/09/2021											11	<0.4	79	12	47	<0.1	21	53																			
BH16_0.5	0.5		3/09/2021											12	<0.4	150	20	9.7	<0.1	45	43																			
BH17_0.1	0.1		3/09/2021											4.1	<0.4	45	20	65	<0.1	21	75																			
BH17_0.3	0.3	Ash, slag	3/09/2021											3.1	<0.4	8.9	23	75	<0.1	5.1	130																			
QC09_210903 (DUP BH17_0.3)	0.3	Ash, slag	3/09/2021											4	<0.4	8.9	15	78	<0.1	<5	120																			
QC10_210903 (TRIP BH17_0.3)	0.3	Ash, slag	3/09/2021	<0.5	<0.5	<0.5	<0.5	<0.5		<0.5	<0.5	<0.5	<5	<1	6	74	87	<0.1	9	131																				
BH17_0.5	0.5	Ash, slag	3/09/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	<5	16	8	<0.1	<5	14																				
BH18_0.1	0.1		3/09/2021											5	<0.4	51	18	37	<0.1	25	79																			
BH18_0.3	0.3	Ash, slag	3/09/2021											<2	<0.4	24	22	29	<0.1	15	39																			
BH18_0.5	0.5	Ash, slag	3/09/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	23	<0.4	39	14	27	<0.1	14	31																			

C.7.1 Chemical Results - Previous Investigations

SAMPLE ID	Sample Depth (m bgs)	Anthropogenic Materials	Sampled_Date	rocarbons (PAH)									Metals								TRH				BTEX							Other			
				Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-c,d)pyrene	Naphthalene	PAHs (Sum of total)	Phenanthrene	Pyrene	Arsenic	Cadmium	Chromium (III+VI)	Copper	Lead	Mercury	Nickel	Zinc	Chromium (hexavalent)	C6-C10	C10-C16	C16-C34	C34-C40	Benzene	Toluene	Ethyl benzene	Xylene (m & p)	Xylene (o)	Xylenes	Total BTEX	CEC	pH
Units			-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg				
EQL			-	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	2	0.4	5	5	5	0.1	5	5	1														
EIL - Res/Open Space										170		100		245	196	1112		287	420		180	120	300	2800											
HIL-A Residential										300		100	20	100	6000	300	10	400	7400	100	45	110	2500	10000											
BH20_0.3	0.3		3/09/2021									3.4	<0.4	72	20	20	<0.1	22	39																
BH20_0.5	0.5		3/09/2021									3.2	<0.4	100	18	<5	<0.1	41	27																
BH21_0.1	0.1		3/09/2021									<2	<0.4	7.8	<5	8.5	<0.1	<5	31																
BH21_0.3	0.3		3/09/2021									12	<0.4	170	30	120	<0.1	61	160																
BH21_0.5	0.5		3/09/2021									11	<0.4	180	28	<5	<0.1	84	34																
MW01 - 0.1	0.1		17/11/2021																																
MW01 - 0.25	0.25		17/11/2021									9.9	<0.4	6.5	25	21	<0.1	7.8	80	<1											17	5.5			
MW01 - 0.50	0.5		17/11/2021									<2	<0.4	89	9.3	<5	<0.1	23	19	<1															
MW01_0.75	0.75		17/11/2021									3.5	<0.5	120	24	<5	<0.1	52	30	<1											33	6.6			
MW01_1.0	1		17/11/2021									3.5	<0.5	100	21	<5	<0.1	54	25	<1															
SLAG-1	0-0.1		3/09/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	<5	<5	10	<0.1	<5	19	<1															
SLAG-2	0-0.1		3/09/2021	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2	<0.4	<5	<5	<5	<0.1	<5	<5	<1															
BH01_CONCRETE	0-0.2		3/09/2021																																
BH03_CONCRETE	0-0.2		3/09/2021																																
BH05_CONCRETE	0-0.2		3/09/2021																																
BH06_CONCRETE	0-0.2		3/09/2021																																
BH07_CONCRETE	0-0.2		3/09/2021																																
BH08_CONCRETE	0-0.2		3/09/2021																																
BH09_CONCRETE	0-0.2		3/09/2021																																
BH10_CONCRETE	0-0.2		3/09/2021																																
BH11_CONCRETE	0-0.2		3/09/2021																																
BH21_CONCRETE	0-0.2		3/09/2021																																

C.7.2 TCLP Results - Previous Investigations

SAMPLE ID	Sample Depth (m)	Sampled_Date	Organochlorine Pesticides																							Metals				
			4,4'-DDD	4,4'-DDE	4,4'-DDT	a-HCH	Aldrin	Aldrin + Dieldrin	b-HCH	Chlordane - Total	DDT + DDE + DDD	d-HCH	Dieldrin	Endosulfan I	Endosulfan II	Endosulfan sulphate	Endrin	Endrin aldehyde	Endrin ketone	g-HCH (Lindane)	Heptachlor	Heptachlor epoxide	Hexachlorobenzene	Methoxychlor	Toxaphene	Vic EPA IWRG 621 OCP (Total)*	Vic EPA IWRG 621 Other OCP (Total)*	Chromium	Lead	Zinc
Units	-	-	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
BH06_0.5	0.5	3/09/2021																									< 0.01			
BH07_0.3	0.3	3/09/2021																										< 0.01		
BH08_0.3	0.3	3/09/2021																										< 0.01		
BH13_0.1	0.1	3/09/2021																											0.11	0.9
BH14_0.1	0.1	3/09/2021	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.005	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005		0.1	1.1
BH14_0.3	0.3	3/09/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
BH15_0.1	0.1	3/09/2021																											0.07	0.66
BH16_0.1	0.1	3/09/2021																											0.12	0.84
BH16_0.5	0.5	3/09/2021																										< 0.01		
BH19_0.3	0.3	3/09/2021																											0.03	0.25
BH21_0.1	0.1	3/09/2021	<0.001	<0.001	<0.001	<0.001	0.002	0.006	<0.001	<0.005	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.006	<0.005			
BH21_0.3	0.3	3/09/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005	< 0.01	< 0.01	0.06
BH21_0.5	0.5	3/09/2021																										< 0.01		
BH21_CONCRETE	CONCRETE	3/09/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
6P-0.0 (HA02)	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
7P-0.0 (HA03)	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
8-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
9-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.01	<0.001	<0.005	<0.001	<0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.01	<0.005			
9P-0.0 (HA09)	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.005	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
10-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.005	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
11-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.02	<0.001	<0.005	<0.001	<0.001	0.02	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.02	<0.005			
13P-0.0 (HA07)	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
14P-0.0 (HA10)	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	<0.001	<0.005	<0.001	<0.001	0.003	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
15-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.005	<0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			
34-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.012	<0.001	<0.005	<0.001	<0.001	0.012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	0.012	<0.005			
36-0.0	0	1/10/2019	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.005	<0.001	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.005	<0.005	<0.005			

Queensland Titles Registry Pty Ltd
ABN 23 648 568 101

Title Reference:	12255073	Search Date:	06/09/2024 14:25
Date Title Created:	07/12/1945	Request No:	49257247
Previous Title:	11441181		

ESTATE AND LAND

Estate in Fee Simple

- LOT 123 REGISTERED PLAN 46047
Local Government: BRISBANE CITY
- LOT 124 REGISTERED PLAN 46047
Local Government: BRISBANE CITY
- LOT 125 REGISTERED PLAN 46047
Local Government: BRISBANE CITY

REGISTERED OWNER

REPATRIATION COMMISSION

EASEMENTS, ENCUMBRANCES AND INTERESTS

1. Rights and interests reserved to the Crown by
Deed of Grant No. 10196143 (POR 102A)
Deed of Grant No. 19506154 (POR 102)

ADMINISTRATIVE ADVICES

NIL

UNREGISTERED DEALINGS

NIL

** End of Current Title Search **

3 SITE HISTORY

The site history assessment was undertaken utilising publically available information and information obtained through interviews with representatives of the site operators, the Australian Red Cross. The site history information was reviewed for evidence of potential contamination, sensitive receptors and environmental aspects that may restrict potential future use of the site.

3.1 Historical Aerial Photographs

Aerial photographs, which are publicly available via the Queensland Department of Natural Resources and Water (DNRW), were reviewed for historical land use information and potentially contaminating activities. **Table B** summarises the results of the aerial photograph review and copies of available aerial photos are included in **Appendix I**.

Table B: Summary of the Aerial Photography Review

Year	Title of Photography	Scale	Comments
1944	Beenleigh Run 1. Frame 348.	1:33,800	Note the scale of the aerial photograph prevents site detail to be seen clearly. The site and immediately surrounding properties were observed to be developed in the 1944 photograph. However it is possible the buildings present were different to the current buildings. Properties to the north, east and south appeared to be residential and the property on the west of Newdegate Street appeared to be an early configuration of the Greenslopes Hospital.
1955	Beenleigh Run 1. Frame 26.	1:25,000	The site appeared to support the current two buildings. Quarry/mining operations (quartzite mine) was visible to the west of the Greenslopes Hospital.
1968	Beenleigh Run 1. Frame 169.	1:22,900	As per the 1955 photograph.
1978	Beenleigh Run 1. Frame 4044.	1:25,000	Site and immediately surrounding properties as per the 1968 photograph. To the west of the Greenslopes hospital the South East Freeway is visible and mining operations appear to have ceased.
1987	Beenleigh Run 1. Frame 205.	1:25,000	As per the 1978 photograph.

1997	Beenleigh Run 1. Frame 20.	1:25,000	As per the 1987 photograph.
2002	Beenleigh Run 1. Frame 105.	1:25,000	As per the 1997 photograph.

The review of historical aerial photographs covering the site and immediately surrounding area were developed prior to the earliest available photograph from 1944. The site and surrounding land uses appear to have been predominantly used for residential and hospital type purposes.

3.2 Certificate of Title Review

The review of current title indicates the registered owner of the properties is the Repatriation Commission. Copies of current and historical title search results and a copy of the registered plans are contained in **Appendix B. Table C** below summarises the historical certificates of title.

Table C: Summary of the Historical Certificates of Title

Year	Registered Owners	Comments
1858	Thomas Blackel Stephens/Anne Stephens	Portion 102, 52 acres. Three year Lease to Commonwealth of Australia in 1901. Transfer to Stephens Estates Limited 1904.
1873	Thomas Blackel Stephens/Anne Stephens	Portion 102A, 4 acres 32 perches.
1920	War Services Home Commissioner	Sub 1 of Portion 102, 46 acres 26 perches.
1950	Repatriation Commission	Resub 2 and 134 to 173, 10 acres 15 39/100 perches.

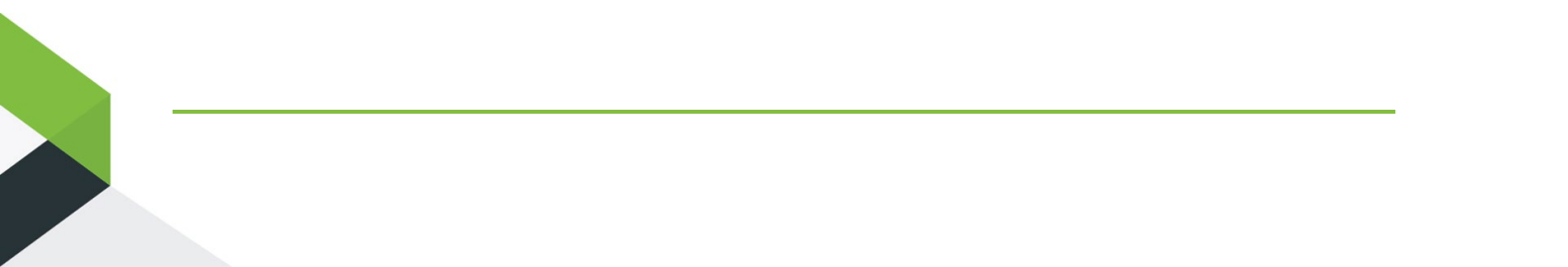
The review of the historical certificates of title indicated the Commonwealth of Australia had interests in the site from as early as 1901 with a lease which covered the site and surrounding properties. The property was transferred to the current registered owners the Repatriation Commission in 1950.

3.3 Anecdotal Information

Anecdotal information was obtained during the site walkover from Ms Kathryn Cunneen, Regional Services Manager for the Australian Red Cross. Information obtained included:

- Northern building has been used for accommodation for hospital patients and carers and historically returned service personnel and has included a picture library, linen room and community/communal areas. There was no knowledge of any film processing on site, only storage of films.

APPENDIX D AUDITOR VERIFICATION



Auditor notification form

This form must be used by auditors approved under Chapter 12 Part 3A of the Environmental Protection Act 1994 to notify the administering authority of a matter, as required by the Queensland Auditor Handbook for Contaminated Land- Module 4: Code of professional conduct.

1. Type of notification

- ☐ My contact details have changed (complete sections 2 & 7)
- ☒ I have accepted a request to undertake work with a view to carrying out an auditor's function (complete sections 2, 3, 4, 5 & 7)
- ☐ I have stopped undertaking work prior to completing an auditor's function (complete sections 2, 3, 4, 5 & 7)
- ☐ I have been convicted of an offence under the EP Act in Queensland or another Act involving misleading or fraudulent conduct (complete sections 2, 6 & 7) in Queensland or another state or territory
- ☐ I have resigned or been terminated from my employment due to allegations of misconduct (complete sections 2, 6 & 7)
- ☐ My interstate auditor approval has been suspended or cancelled (complete sections 2, 6 & 7)

2. Auditor details

FULL NAME Louise Cartwright	
COMPANY Epic Environmental Pty Ltd	
REGISTERED ADDRESS L6, 193 North Quay, Brisbane	POSTCODE 4000
TELEPHONE 1800 779 363	FAX
EMAIL lcartwright@epicenvironmental.com.au	
POSTAL ADDRESS (WRITE 'AS ABOVE' IF THE SAME AS REGISTERED ADDRESS) PO Box 13058, George Street, QLD 4003	POSTCODE
AUDITOR APPROVAL NUMBER CLAD06682920	

3. Details of the person who commissioned the auditor

FULL NAME Dave Binny	
COMPANY Department of Veterans' Affairs	
REGISTERED ADDRESS 259 Queen St, Brisbane City QLD	POSTCODE 4000
TELEPHONE 02 6289 6320	FAX
EMAIL dave.binny@dva.gov.au	
POSTAL ADDRESS (WRITE 'AS ABOVE' IF THE SAME AS REGISTERED ADDRESS) GPO Box 9998, Brisbane Qld	POSTCODE 4001

4. Details of the auditor's engagement

DATE THE REQUEST WAS ACCEPTED 23 November 2020
OBJECT OF THE CONTAMINATED LAND INVESTIGATION DOCUMENT <input type="checkbox"/> to meet the requirements of a notice issued by the administering authority under the <i>Environmental Protection Act 1994</i> <input type="checkbox"/> to meet the requirements under the <i>Planning Act 2016</i> <input checked="" type="checkbox"/> being prepared voluntarily to remove land or change land on the land registers <input type="checkbox"/> other (if other provide details below)
DATE THE WORK CEASED (IF APPLICABLE)
REASONS WHY THE AUDITOR FUNCTION IS NOT BEING COMPLETED (IF APPLICABLE)

5. Site details

STREET ADDRESS 51-55 Headfort Streets, Greenslopes 4120	
LOT(S) 123, 124 and 125	PLAN(S) RP46047

<p>EMR/CLR ID (IFAPPLICABLE)</p> <p>148512</p> <p>148513</p> <p>148514</p>
<p>CERTIFICATE OF TITLE DETAILS</p>
<p>LOCAL GOVERNMENT AREA</p> <p>Brisbane City Council</p>
<p>AREA OF SITE (E.G.HECTARES)</p> <p>Lot 123 RP46047 (647 m2)</p> <p>Lot 124 RP46047 (647 m2)</p> <p>Lot 125 RP46047 (639 m2).</p>
<p>CURRENT ZONING</p> <p>Neighbourhood Centre</p>


6. Further details to support the notification

<p>PROVIDE FURTHER DETAILS TO SUPPORT YOUR NOTIFICATION</p> <p>I.e. Reasons why your interstate approval has been suspended or cancelled, details of your conviction, details of the allegations of misconduct made against you.</p> <p>.</p>

7. Declaration

I declare that:

- The information I have provided within this form is true and correct to the best of my knowledge.
- I understand that it is an offence under section 480 of the *Environmental Protection Act 1994* to give the administering authority a document containing information that I know is false, misleading or incomplete in a material particular.

Auditor's name Louise Cartwright
Auditor's signature 
Date 23 November 2020

Please lodge your notification form using one of the following methods:**Email:**

palm@des.qld.gov.au

The email subject line should be 'Auditor notification'.

The file size limit for submission via email is 14MB.

Any submission via email which exceeds 14MB will need to be broken down into Parts, with each part clearly labelled Part X of X (e.g. Part 1 of 2) included in the subject line of the email.

Mail:

Customer Service Team

Department of Environment and Science

GPO Box 2454, BRISBANE QLD 4001

Courier or hand delivery:

Customer Service Team

Department of Environment and Science

Level 3, 400 George Street,

BRISBANE QLD 4001

Hours: 8.30 am—5.00 pm business days

Privacy statement

The Department of Environment and Science (the department) is collecting your information to update records containing your contact details, the auditor's functions being carried out by you, or to ensure you remain a suitable auditor under Chapter 12 Part 3A of the *Environmental Protection Act 1994* (EP Act). The information will only be accessed by authorised employees within the department. Any changes to your name, organisation, business address, telephone number and email address will be disclosed on the Register of approved auditors which will be publicly available on the relevant Queensland Government website. This disclosure is authorised by section 540A(1)(f) of the EP Act. This information provided on this form will not otherwise be used or disclosed unless required or authorised by law. For further information about privacy matters email: privacy@des.qld.gov.au or telephone: (07) 3330 5436.

PREAMBLE			
Scope and Purpose: The purpose of this checklist is to provide a record of a Contaminate Site Auditor's field inspection undertaken as part of a statutory or voluntary Audit. The purpose of the inspection is for the Auditor to gain an understanding of the layout and condition of the site and/or works and to confirm whether appropriate field procedures are being adopted by the Suitably Qualified Person or Consultant as detailed in the approved/reviewed SAQP/RAP..			
SITE AUDIT CHECKLIST			
Project Number:	BC200195.01	Project Manager:	Louise Cartwright
Project Title:	CLA DVA Greenslopes		
Field Inspector:	Louise Cartwright	Date of Inspection:	20 July 2021
Consultants/SQP on Site:	Jeremy Wicks	Others on Site (e.g. Client):	None
Site Address:	114 Newdegate Street Greenslopes	Duration of Inspection:	1 hour
SAQP reviewed and approved	No	RAP or RP reviewed and approved	No
Scope of works being undertaken by Consultant at time of inspection:	<input type="checkbox"/> Phase 1 Site Inspection <input checked="" type="checkbox"/> Intrusive Soil Sampling <input type="checkbox"/> LFG/ Soil Vapour <input type="checkbox"/> Groundwater Installation <input type="checkbox"/> Groundwater Sampling <input type="checkbox"/> Sediment Sampling <input type="checkbox"/> Surface Water Sampling	Details: The Phase 1 site inspection and SAQP has been completed by the SQP and shall be reviewed by the CLA. Site walk over by Auditor included discussions with the SQP.	
HEALTH, ENVIRONMENT & SAFETY PLAN (HSEP) CONSIDERATIONS			
	Yes	No	Comments
Was an induction required to be completed prior to attending site?		X	Discussion on key safety risks undertaken by SQP
Was the Auditor/ Auditor's representative required to sign onto Consultants safety documents?	X		
AUDITOR INSPECTION OBSERVATIONS			
General site conditions/observations.			
<ul style="list-style-type: none"> Topography/elevation 	Sloping downwards towards to the northern boundary. Highest elevation in the southern region of the site. Evidence of likely minor cut and fill earthworks onsite to level the site for building and path works. The consultant reports the site falls in an approximate north west direction from 25 m AHD on the Southern Boundary toward a drain in Ekibin Park East.		
<ul style="list-style-type: none"> Surrounding land uses 	<input checked="" type="checkbox"/> Low Density Residential <input type="checkbox"/> High Density Residential <input type="checkbox"/> Public Open Space <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Other	Details: The immediate surround landing is residential properties and associated structures (closest approximately 1m to the east). The Greenslopes hospital is to the west of the site. Newdegate Street is present immediately west of the site and Headfort Street is present to the immediate south of the site.	
<ul style="list-style-type: none"> Surface water bodies 	None on site. Norman Creek is located approximately 160m south of the site although the topography indicates surface water would flow towards the north west meeting Norman Creek. Norman Creek generally flows in a northern direction meeting the Brisbane River approximately 4.2 km north of the site.		



<ul style="list-style-type: none"> Visual or olfactory signs of contamination 	<p>No olfactory signs observed.</p> <p>An ACM survey has been undertaken with ACM present throughout the two buildings including roof, eaves and internal structures. Fragments of ACM has previously been observed on the soil surface however, the CLA and SQP undertook a brief surface inspection of the site and none was observed at the time of the inspection.</p>		
<ul style="list-style-type: none"> Potential contamination sources e.g. waste, fill, fuel storage, stockpiles 	<p>The lot is listed on the EMR due to 2 Hazardous Contaminants - organochlorine pesticides (OCPs) in soil. The Site is not subject to a Site Management Plan.</p> <p>The Site is currently vacant and contains two large buildings with Asbestos Containing Materials (ACM).</p> <p>Two vacant buildings were located on the site, in the northern and southern regions, although these were unable to be accessed during the inspection due to safety concerns. The exterior of the building is in poor condition with paint flaking (possible containing lead) and the SQP confirmed the buildings containing ACM. Surface ACM has previously been identified but was not observed at the time of the inspection.</p> <p>The Auditor observed the adjacent sites were residential properties with no signs of contamination sources noted.</p>		
<ul style="list-style-type: none"> Site covering 	<input checked="" type="checkbox"/> Exposed Soil <input checked="" type="checkbox"/> Grassed <input type="checkbox"/> Asphalt/Bitumen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other	<p>Details:</p> <p>The majority of the site is covered with buildings and concrete hardstand which was cracked due to age /wear and tear. A grassed area is present in the north east corner, western boundary and southern boundary. The area beneath the southern building (eastern side) is exposed soil.</p>	
<ul style="list-style-type: none"> Vegetation 	<p>Fair considering current climatic conditions.</p>		
<ul style="list-style-type: none"> Other 	<p>The property is fenced but gate opened without a key. Signage for Asbestos is only on the outside of the fence.</p>		
Scope and Activities			
<p>If not the first inspection, changes to the condition/layout of the site from the previous inspection.</p>	<p>First Inspection</p>		
<p>Detail the scope of fieldworks being undertaken by the consultant.</p>	<input type="checkbox"/> Intrusive Soil Sampling	<p>Samples collected from:</p> <input type="checkbox"/> Pushtube <input type="checkbox"/> Solid Auger <input type="checkbox"/> Excavator Bucket <input type="checkbox"/> Trowel <input type="checkbox"/> Hand Auger	<p>Location Name:</p> <p>Depth of BH/TP:</p> <p>Soil Observations:</p>
	<input type="checkbox"/> LFG/ Soil Vapour Sampling	<p>Samples collected from:</p> <input type="checkbox"/> LFG Bore <input type="checkbox"/> Soil Vapour Pin	<p>Location Name:</p> <p>Sampling Method:</p> <p>Observations:</p>




	<input type="checkbox"/> LFG Bore Installation	Installation Method:	Location Name: Construction Details: Observations:
	<input type="checkbox"/> GW Well Installation	Installation Method:	Location Name: Depth to GW: Wells Proposed to be Surveyed: Y/N Construction Details: Observations:
	<input type="checkbox"/> Groundwater Sampling	Sampling Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Pump Pump Name:	Location Name: Depth to GW: Samples filtered for metal or other analysis as appropriate: Y/N Groundwater Observations:
	<input type="checkbox"/> Sediment Sampling	Samples collected from: <input type="checkbox"/> Excavator Bucket <input type="checkbox"/> Trowel <input type="checkbox"/> Hand Auger	Location Name: Sediment Observations:
	<input type="checkbox"/> Surface Water Sampling	Samples collected: <input type="checkbox"/> Directly from surface water body <input type="checkbox"/> Decanted from unpreserved/clean sample container	Location Name: Sampling Method: If decanting, bottle changed between sample locations: Y/N Surface Water Observations:
Other e.g exclusion areas on site, contamination controls etc.	Site inspection, no sampling		
QC/QA OBSERVATIONS			
Were appropriate decontamination details observed during the inspection. Provide details.	Not applicable		
Were QA/QC samples being collected?	<input type="checkbox"/> Trip Blank <input type="checkbox"/> Trip Spike <input type="checkbox"/> Field Blank	<input type="checkbox"/> Rinsate <input type="checkbox"/> Duplicate and Triplicate	Sample Names: Sample Matrix: Soil/Water
Were gloves being changed between samples?			





Field Equipment Calibration	Was equipment calibrated on site: Y/N If yes, what equipment was calibrated: Were calibration certificates available for review on site: Y/N		
Were samples placed directly on ice?			
CORRECTIVE ACTION SIGN-OFF (IF APPLICABLE)			
Were any non-conformances/issues identified during the site inspection?	The access of the site and signage were discussed with the SQP		
Were the non-conformances/issues communicated to the consultant on site during the inspection? Provide details.	Yes		
POST INSPECTION CHECKLIST			
	Yes	No	Details
Have this inspection checklist been saved in the project folder?			
Have the inspection details been entered into the Project Contaminated Site Audit Log and Reporting Checklist?			

SITE INSPECTION PHOTOS

Photograph Log

Photograph	Description	Image
1	Site entry on the western boundary	
2	Fence signage on the western boundary	

Photograph	Description	Image
3	Eastern boundary with grassed area at the northern end. Residential adjacent properties to the right of the photo	
4	Southern boundary. Scaffolding and fencing was present	
5	Northern building, from the eastern boundary. ACM roof visible.	

Photograph	Description	Image
6	Southern building from the western boundary. Services were reported to be disconnected.	
7	Southern building with a possible stormwater drain located approximately 2m west of the building	 
8	Central region of the site. Grass, bare soil and concrete (poor condition) coverings. Buildings not accessed.	

PREAMBLE			
Scope and Purpose: The purpose of this checklist is to provide a record of a Contaminate Site Auditor's field inspection undertaken as part of a statutory or voluntary Audit. The purpose of the inspection is for the Auditor to gain an understanding of the layout and condition of the site and/or works and to confirm whether appropriate field procedures are being adopted by the Suitably Qualified Person or Consultant as detailed in the approved/reviewed SAQP/RAP..			
SITE AUDIT CHECKLIST			
Project Number:	BC200195.01	Project Manager / CLA:	Louise Cartwright
Project Title:	CLA DVA Greenslopes		
Field Inspector:	Charles Kosecki	Date of Inspection:	3 September 2021
Consultants/SQP on Site:	Jeremy Wicks	Others on Site (e.g. Client):	Jeremy Wicks (Coffey) Michael Page (Coffey) Matt and Chris (Numac Drilling)
Site Address:	114 Newdegate Street Greenslopes	Duration of Inspection:	1 hour (0730 to 0830)
SAQP reviewed	Yes – Comments were provided on Rev B (dated 19 July 2021)	RAP or RP reviewed	No
Scope of works being undertaken by Consultant at time of inspection:	<input type="checkbox"/> Phase 1 Site Inspection <input checked="" type="checkbox"/> Intrusive Soil Sampling <input type="checkbox"/> LFG/ Soil Vapour <input type="checkbox"/> Groundwater Installation <input type="checkbox"/> Groundwater Sampling <input type="checkbox"/> Sediment Sampling <input type="checkbox"/> Surface Water Sampling	Details: The site inspection included field observations during the intrusive works.	
HEALTH, ENVIRONMENT & SAFETY PLAN (HSEP) CONSIDERATIONS			
	Yes	No	Comments
Was an induction required to be completed prior to attending site?		X	Discussion on key safety risks undertaken by Coffey field scientist
Was the Auditor/ Auditor's representative required to sign onto Consultants safety documents?	X		Signed onto Coffey SWMS @ 0745
AUDITOR INSPECTION OBSERVATIONS			
General site conditions/observations.			
<ul style="list-style-type: none"> Topography/elevation 	Sloping downwards towards to the northern boundary. Highest elevation in the southern region of the site. Evidence of likely minor cut and fill earthworks onsite to level the site for building and path works. The consultant reports the site falls in an approximate north west direction from 25 m AHD on the Southern Boundary toward a drain in Ekibin Park East.		
<ul style="list-style-type: none"> Surrounding land uses 	<input checked="" type="checkbox"/> Low Density Residential <input type="checkbox"/> High Density Residential <input type="checkbox"/> Public Open Space <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Other	Details: The immediate surround landing is residential properties and associated structures (closest approximately 1m to the east). The Greenslopes hospital is to the west of the site. Newdegate Street is present immediately west of the site and Headfort Street is present to the immediate south of the site.	
<ul style="list-style-type: none"> Surface water bodies 	None on site. Norman Creek is located approximately 160m south of the site although the topography indicates surface water would flow towards the north west meeting Norman Creek. Norman Creek generally flows in a northern direction meeting the Brisbane River approximately 4.2 km north of the site.		




<ul style="list-style-type: none"> Visual or olfactory signs of contamination 	<p>No olfactory signs observed.</p> <p>An ACM survey has been undertaken with ACM present throughout the two buildings including roof, eaves and internal structures. Fragments of ACM has previously been observed on the soil surface however, the Field Inspector undertook a brief surface inspection of the site and none was observed at the time of the inspection.</p>		
<ul style="list-style-type: none"> Potential contamination sources e.g. waste, fill, fuel storage, stockpiles 	<p>The lot is listed on the EMR due to 2 Hazardous Contaminants - organochlorine pesticides (OCPs) in soil. The Site is not subject to a Site Management Plan.</p> <p>The site is currently vacant and contains two large buildings with Asbestos Containing Materials (ACM).</p> <p>Two vacant buildings were located on the site, in the northern and southern regions, although these were unable to be accessed during the inspection due to safety concerns. The exterior of the building is in poor condition with paint flaking (possible containing lead) and the SQP confirmed the buildings containing ACM and a hazardous material survey had previously been conducted. Surface ACM has previously been identified but was not observed at the time of the inspection.</p> <p>The Field Inspector observed the adjacent sites were residential properties with no signs of contamination sources noted.</p>		
<ul style="list-style-type: none"> Site covering 	<input checked="" type="checkbox"/> Exposed Soil <input checked="" type="checkbox"/> Grassed <input type="checkbox"/> Asphalt/Bitumen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Other	<p>Details:</p> <p>The majority of the site is covered with buildings and concrete hardstand which was cracked due to age /wear and tear. A grassed area is present in the north east corner, western boundary and southern boundary. The area beneath the southern building (eastern side) is exposed soil.</p>	
<ul style="list-style-type: none"> Vegetation 	<p>Fair considering current climatic conditions.</p>		
<ul style="list-style-type: none"> Other 	<p>The property is fenced and locked with 24 hr security monitoring the site. Signage for Asbestos is only on the outside of the fence.</p>		
Scope and Activities			
<p>If not the first inspection, changes to the condition/layout of the site from the previous inspection.</p>	<p>Second Inspection – Soil Intrusive Works. No change from previous inspection.</p>		
<p>Detail the scope of fieldworks being undertaken by the consultant.</p>	<input checked="" type="checkbox"/> Intrusive Soil Sampling	<p>Samples collected from:</p> <input type="checkbox"/> Pushtube <input type="checkbox"/> Solid Auger <input type="checkbox"/> Excavator Bucket <input type="checkbox"/> Trowel <input checked="" type="checkbox"/> Hand Auger	<p>Location Name: BH19</p> <p>Depth of BH: 0.5</p> <p>Soil Observations:</p> <p>0.0–0.25 m – Brown loose clay, some small gravel, minor charcoal inclusions, dry (fill material)</p> <p>0.25–0.4 m – Black/ grey slag/ash mixed with brown clay, dry (fill material)</p> <p>0.45-0.5 m – light brown clay, medium gravel, dry (natural material)</p> <p>Location Name: BH18</p> <p>Depth of BH: 0.5</p> <p>Soil Observations:</p> <p>0.0-0.25 m - light brown clay, medium gravel, dry (fill material)</p> <p>0.25-0.5 m – Light grey ash, small-medium gravel, some ash/ slag, dry (fill material)</p>



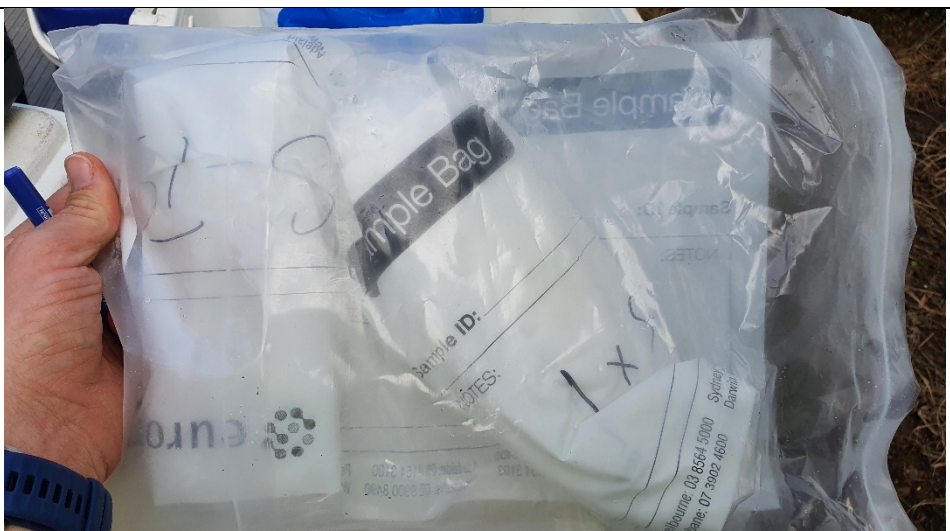
	<input type="checkbox"/> LFG/ Soil Vapour Sampling	Samples collected from: <input type="checkbox"/> LFG Bore <input type="checkbox"/> Soil Vapour Pin	Location Name: Sampling Method: Observations:
	<input type="checkbox"/> LFG Bore Installation	Installation Method:	Location Name: Construction Details: Observations:
	<input type="checkbox"/> GW Well Installation	Installation Method:	Location Name: Depth to GW: Wells Proposed to be Surveyed: Y/N Construction Details: Observations:
	<input type="checkbox"/> Groundwater Sampling	Sampling Method: <input type="checkbox"/> Bailer <input type="checkbox"/> Pump Pump Name:	Location Name: Depth to GW: Samples filtered for metal or other analysis as appropriate: Y/N Groundwater Observations:
	<input type="checkbox"/> Sediment Sampling	Samples collected from: <input type="checkbox"/> Excavator Bucket <input type="checkbox"/> Trowel <input type="checkbox"/> Hand Auger	Location Name: Sediment Observations:
	<input type="checkbox"/> Surface Water Sampling	Samples collected: <input type="checkbox"/> Directly from surface water body <input type="checkbox"/> Decanted from unpreserved/clean sample container	Location Name: Sampling Method: If decanting, bottle changed between sample locations: Y/N Surface Water Observations:
Other e.g exclusion areas on site, contamination controls etc.			
QC/QA OBSERVATIONS			
Were appropriate decontamination details observed during the inspection. Provide details.	Yes – The hand auger and re-usable equipment was washed in bucket of tap water to remove bulk soil. The equipment was then sprayed with DI water mixed with Liquinox.		

Were QA/QC samples being collected?	<input checked="" type="checkbox"/> Trip Blank <input type="checkbox"/> Trip Spike <input checked="" type="checkbox"/> Field Blank	<input checked="" type="checkbox"/> Rinsate <input checked="" type="checkbox"/> Duplicate and Triplicate	Sample Names: NA Sample Matrix: Soil
Were gloves being changed between samples?	Not observed. The SAQP noted that dedicated disposable nitrile gloves would be used for each sample. At the time of the inspection, boreholes were advanced with sample material left adjacent to the borehole for the field technician to collect in the laboratory supplied jars (Photo 2). It was noted material was placed directly on the ground surface and left exposed for greater than 30 min prior to placement in the laboratory jar.		
Field Equipment Calibration	No equipment requiring calibration was used during the intrusive works.		
Were samples placed directly on ice?	Not observed when onsite, however, ice was observed in the eskies		
CORRECTIVE ACTION SIGN-OFF (IF APPLICABLE)			
Were any non-conformances/issues identified during the site inspection?	No.		
Were the non-conformances/issues communicated to the consultant on site during the inspection? Provide details.			
POST INSPECTION CHECKLIST			
	Yes	No	Details
Have this inspection checklist been saved in the project folder?	X		
Have the inspection details been entered into the Project Contaminated Site Audit Log and Reporting Checklist?	X		

SITE INSPECTION PHOTOS

Photograph Log

Photograph	Description	Image
1	BH19 Location	
2	BH19 – Sample Material 0.0 – left 0.3 – middle 0.5 – right	
3	BH18 Location	

Photograph	Description	Image
4	<p>BH18</p> <p>Ash observed between 0.25 – 0.5 m bgl</p>	
5	<p>Decontaminating equipment between BH19 and BH18</p> <p>Tap water in bucket and DI and Liquinox in the spray bottle</p>	
6	<p>Trip Spikes observed onsite</p>	

Photograph	Description	Image
7	Site access below southern building	

PREAMBLE			
Scope and Purpose: The purpose of this checklist is to provide a record of a Contaminate Site Auditor's field inspection undertaken as part of a statutory or voluntary Audit. The purpose of the inspection is for the Auditor to gain an understanding of the layout and condition of the site and/or works and to confirm whether appropriate field procedures are being adopted by the Suitably Qualified Person or Consultant as detailed in the approved/reviewed SAQP/RAP.			
SITE AUDIT CHECKLIST			
Project Number:	BC200195.01	Project Manager / CLA:	Louise Cartwright
Project Title:	CLA DVA Greenslopes		
Field Inspector:	Louise Cartwright Camden McCosker	Date of Inspection:	5 September 2023
Consultants/SQP on Site:	Jeremy Wicks – SQP	Others on Site (e.g. Client):	Jeremy Wicks (Coffey) Mick Merriman (Enviropacific) Adrian Scott (Enviropacific)
Site Address:	114 Newdegate Street Greenslopes	Duration of Inspection:	1 hour (1045 - 1145)
SAQP reviewed	Yes – pre - 2023	RAP or RP reviewed	Yes – Final Rev0 RAP issues 23 August 2023
Scope of works being undertaken by Consultant at time of inspection:	<input type="checkbox"/> Phase 1 Site Inspection <input type="checkbox"/> Intrusive Soil Sampling <input type="checkbox"/> LFG/ Soil Vapour <input type="checkbox"/> Groundwater Installation <input type="checkbox"/> Groundwater Sampling <input type="checkbox"/> Sediment Sampling <input type="checkbox"/> Surface Water Sampling <input checked="" type="checkbox"/> Remediation works	Details: The site inspection was conducted during the remediation phase of the project.	
HEALTH, ENVIRONMENT & SAFETY PLAN (HSEP) CONSIDERATIONS			
	Yes	No	Comments
Was an induction required to be completed prior to attending site?	X		Yes – site induction completed by Enviropacific – Epic signed onto site induction / pre-start
Was the Auditor/ Auditor's representative required to sign onto Consultants safety documents?	X		Refer above.
AUDITOR INSPECTION OBSERVATIONS			



<p>General site conditions/observations.</p>	<p>The site is currently being managed by Enviropacific who are the remediation contractor delivering the RAP.</p> <p>General notes are provided below:</p> <ul style="list-style-type: none"> • Generally the site housekeeping was found to be of a high level and consistent across the site • The driveway (central region of the site) has been prepared with blue chip gravels. • The site offices are located in the north-west of the site • An asbestos decontamination unit is present in the centre of the site • Coffey has a full time licenced asbestos assessor (LAA) present onsite who also liaises with the SQP for collection of soil samples • Jeremy (Coffey) reported that he is attending site 1 – 2 times per week for SQP inspections • The south of the site (Area 2/3A-C) was undergoing excavation at the time of the visit. • Geofabric overing was present in areas of the site used as walkways Mick (Enviropacific) discussed the operational aspects of the Area 2 excavation including asbestos management and management of equipment decontamination and people movements. Trucks and equipment are washed down in the gravel driveway (excluding those that have handled asbestos impacted material) • Enviropacific and Coffey confirmed that asbestos containing material (ACM) was being observed throughout the ash fill material in Area 2. This was a deviation for the remediation as it had been assumed that ACM impact would be minor and limited to surface soils as a result of the building demolition • An asbestos pipe was encountered running from Newdegate Street into the former 'Main hall building' • Soil material in the south of the site is being managed as per the RAP - Area 2 / Area 3A/ 3B / to lined landfill, Area 3C to Monocell • Skip bins are being used to store excavated material (covered with black plastic) before removal offsite. • On the southern boundary of the site the ash fill appears to extend up to (and possibly past) the site boundary which comprises of the inside face of a retaining wall which holds up the footpath to the south of the site. Due to concerns regarding the structural integrity of this retaining wall, an excavation plan was discussed to excavate this wall in sections, collect validation samples and backfill with 'clean' validated natural soils won from the balance of the site (i.e. from Area 2) • In the south-western boundary of the site two small (<3m²) plyboard box barricades have been set up surrounding two separate heritage listed pillars. The ash is believed to extend underneath these pillars and the same concerns exist regarding undermining of these features • Regarding the pillars Enviropacific was to consider the time required for heritage and other approvals to temporarily remove the pillars to allow for complete excavation. Enviropacific and Coffey were to undertake targeted excavation to determine the composition and volume of ash fill which would remain if the pillars were unable to be removed to allow for excavation of this area. • Enviropacific reported that heritage listed bricks from the aboveground structure of the former buildings had been removed from site for re-use. These bricks were individually removed from the structure, cleaned and inspected by the LAA prior to removal from site • A stockpile of mixed brick and concrete was present in the west of Area 2 – Enviropacific reported that this was from inground material for the former building footprints. The brick and concrete was observed to have ash and other soil material on the surface. Enviropacific and Jeremy (Coffey) were to discuss and Jeremy (Coffey) stated he would advise the strategy for management of this material. Enviropacific noted that a significant additional volume of in ground brick and concrete remained to be excavated <p>At the conclusion of the site inspection LC (Epic) noted that a further site visit in 1 – 2 weeks would be valuable. Enviropacific and Coffey to confirm a suitable date and time.</p>
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<ul style="list-style-type: none"> Topography/elevation 	<p>Sloping downwards towards to the northern boundary. Highest elevation in the southern region of the site. Evidence of likely minor cut and fill earthworks onsite to level the site for building and path works.</p> <p>The consultant reports the site falls in an approximate north west direction from 25 m AHD on the Southern Boundary toward a drain in Ekibin Park East.</p>	
<ul style="list-style-type: none"> Surrounding land uses 	<input checked="" type="checkbox"/> Low Density Residential <input type="checkbox"/> High Density Residential <input type="checkbox"/> Public Open Space <input type="checkbox"/> Commercial/Industrial <input type="checkbox"/> Other	<p>Details:</p> <p>The immediate surround landing is residential properties and associated structures (closest approximately 1m to the east). The Greenslopes hospital is to the west of the site.</p> <p>Newdegate Street is present immediately west of the site and Headfort Street is present to the immediate south of the site.</p>
<ul style="list-style-type: none"> Surface water bodies 	<p>None on site. Norman Creek is located approximately 160m south of the site although the topography indicates surface water would flow towards the north west meeting Norman Creek. Norman Creek generally flows in a northern direction meeting the Brisbane River approximately 4.2 km north of the site.</p>	
<ul style="list-style-type: none"> Visual or olfactory signs of contamination 	<p>Refer Photo no. 2 – the profile in the south of the site (Area 2) was visible – appeared to be relatively shallow (circa 300mm) overlying natural soils.</p> <p>Enviropacific and Coffey reported that ACM had been observed throughout the ash fill layer in Area 2 however due to restrictions on entering the operational excavation during the inspection this was not able to be observed in person.</p> <p>No olfactory signs observed during the site inspection.</p>	
<ul style="list-style-type: none"> Potential contamination sources e.g. waste, fill, fuel storage, stockpiles 	<p>The lot is listed on the EMR due to the presence of Hazardous Contaminants - organochlorine pesticides (OCPs) in soil. The Site is not subject to a Site Management Plan.</p> <p>The source of the ash fill is presumed to be the result of historical importation of fill.</p> <p>Two vacant buildings were located on the site, in the northern and southern regions which were known to include ACM.</p> <p>The Field Inspector observed the adjacent sites were residential properties with no signs of contamination sources noted.</p>	
<ul style="list-style-type: none"> Site covering 	<input checked="" type="checkbox"/> Exposed Soil <input type="checkbox"/> Grassed <input type="checkbox"/> Asphalt/Bitumen <input checked="" type="checkbox"/> Concrete <input checked="" type="checkbox"/> Other	<p>Details:</p> <p>The majority of the site is exposed soil with some remaining areas of concrete, geofabric and blue chip gravel</p>
<ul style="list-style-type: none"> Vegetation 	<p>Nil - removed</p>	
<ul style="list-style-type: none"> Other 	<p>The property is fenced and locked with 24 hr security monitoring the site.</p>	
Scope and Activities		
<p>If not the first inspection, changes to the condition/layout of the site from the previous inspection.</p>	<p>This was the third inspection at the site and the first since the remediation works have commenced.</p> <p>The site is in active remediation as per the commentary above.</p> <p>Enviropacific noted that following site set-up remediation proper had commenced approximately 31 August for a total estimated program of 5 weeks.</p>	
<p>Other e.g exclusion areas on site, contamination controls etc.</p>	<p>Exclusion zones were well demarcated on site. The Area 2/3A-C excavation was demarcated with asbestos flagging and access was restricted to this area.</p> <p>Two monitoring units for OCPs were observed to be in place – one in the south-east of the site and one on the northern boundary. Jeremy (Coffey) noted that these would need to be moved as remediation progresses.</p>	
QC/QA OBSERVATIONS		

Were appropriate decontamination details observed during the inspection. Provide details.	N/A – no sampling being undertaken during the site inspection.		
Were QA/QC samples being collected?	<input type="checkbox"/> Trip Blank <input type="checkbox"/> Rinsate Sample Names: NA <input type="checkbox"/> Trip Spike <input type="checkbox"/> Duplicate and Triplicate Sample Matrix: Soil <input type="checkbox"/> Field Blank		
	N/A – no sampling being undertaken during the site inspection.		
Were gloves being changed between samples?	N/A – no sampling being undertaken during the site inspection.		
Field Equipment Calibration	N/A – no sampling being undertaken during the site inspection.		
Were samples placed directly on ice?	N/A – no sampling being undertaken during the site inspection.		
CORRECTIVE ACTION SIGN-OFF (IF APPLICABLE)			
Were any non-conformances/issues identified during the site inspection?	No.		
Were the non-conformances/issues communicated to the consultant on site during the inspection? Provide details.			
POST INSPECTION CHECKLIST			
	Yes	No	Details
Have this inspection checklist been saved in the project folder?	X		
Have the inspection details been entered into the Project Contaminated Site Audit Log and Reporting Checklist?	X		

SITE INSPECTION PHOTOS

Photograph Log

Photograph	Description	Image
1	<p>Looking south-east towards Area 2 excavation</p> <p>Skip bins contain ash / fill soils excavated from this area</p> <p>Brick / concrete stockpile in foreground are from excavation of inground material</p>	
2	<p>View of natural soils and fill material in south-west of site (Area 2)</p> <p>Orange arrows indicate location of heritage listed pillars</p>	

Photograph	Description	Image
3	Asbestos decontamination unit in center of site	
4	Central and southern region of the site showing the decon unit and site office	

PREAMBLE			
Scope and Purpose: The purpose of this checklist is to provide a record of a Contaminate Site Auditor's field inspection undertaken as part of a statutory or voluntary Audit. The purpose of the inspection is for the Auditor to gain an understanding of the layout and condition of the site and/or works and to confirm whether appropriate field procedures are being adopted by the Suitably Qualified Person or Consultant as detailed in the approved/reviewed SAQP/RAP.			
SITE AUDIT CHECKLIST			
Project Number:	BC200195.01	Project Manager / CLA:	Louise Cartwright (LC)
Project Title:	CLA DVA Greenslopes		
Field Inspector:	Camden McCosker (CM)	Date of Inspection:	26 September 2023
Consultants/SQP on Site:	Jeremy Wicks – SQP	Others on Site (e.g. Client):	Jeremy Wicks (JW) - Coffey Adrian Scott (AS) - Enviropacific
Site Address:	114 Newdegate Street Greenslopes	Duration of Inspection:	30 minutes (11.00 – 1130am)
SAQP reviewed	Yes – pre - 2023	RAP or RP reviewed	Yes – Final Rev0 RAP issues 23 August 2023
Scope of works being undertaken by Consultant at time of inspection:	<input type="checkbox"/> Phase 1 Site Inspection <input type="checkbox"/> Intrusive Soil Sampling <input type="checkbox"/> LFG/ Soil Vapour <input type="checkbox"/> Groundwater Installation <input type="checkbox"/> Groundwater Sampling <input type="checkbox"/> Sediment Sampling <input type="checkbox"/> Surface Water Sampling <input checked="" type="checkbox"/> Remediation works	Details: The site inspection was conducted during the remediation phase of the project.	
HEALTH, ENVIRONMENT & SAFETY PLAN (HSEP) CONSIDERATIONS			
	Yes	No	Comments
Was an induction required to be completed prior to attending site?	X		Yes – site induction completed by Enviropacific – Epic signed onto site induction / pre-start
Was the Auditor/ Auditor's representative required to sign onto Consultants safety documents?	X		Refer above.
AUDITOR INSPECTION OBSERVATIONS			

<p>General site conditions/observations.</p>	<p>The site is currently being managed by Enviropacific who are the remediation contractor delivering the RAP.</p> <p>General notes are provided below:</p> <ul style="list-style-type: none"> • Generally the site housekeeping was found to be of a high level and consistent across the site • The site office and decontamination unit have been removed from site • The site remediation is completed with no further excavation works planned at this stage • Final validation of the 'floor/base' of the site was being undertaken at the time of the site inspection. JW advised that this was being completed in a systematic gridded manner and that each validation location had been marked out by a licenced surveyor. CM observed spray paint markings at regular intervals across the site with a jar and asbestos bag placed at each location ahead of sampling. • JW advised that the floor/base sampling was being undertaken for metals, OCPs and asbestos. CM observed that some samples had been collected into the jar and bag and were remaining insitu on the ground however noted that sampling was not being undertaken for volatile analytes. • Excavations were observed running from the former buildings to the north and eastern boundary of the site which were noted by AS and JW to be from the removal of redundant sewer and stormwater lines. Some of the sewer lines were noted to have contained asbestos. • JW discussed that the imported fill used on the eastern, southern and western walls plus the site driveway had not been sampled to date although JW noted that the visual inspection undertaken by Coffey of the material did not identify visual or olfactory signs of contamination and the material was identified to be homogenous. AS related that the material was crushed rock from a quarry source and that approximately 130 tonnes of material had been imported to site. JW noted that Coffey would request all documentation relating to the material from Enviropacific which would be included in the CLID. JW noted that they were undertaking nominal sampling of the imported fill material to include 6 samples analysed for metals, OCPs, asbestos and PFAS • JW noted that one sample from surface material on the southern wall had reported concentrations of arsenic above the RAP validation criteria. JW has requested a re-run from the laboratory and noted this would be discussed with LC upon final receipt of the data. • JW noted that some samples from the walls collected the week prior were still outstanding with the laboratory. • JW noted that on the southern and western boundary the contractor had slightly over excavated beyond the surveyed property boundary. Validation samples were therefore collected from material slightly beyond the boundary before the wall was backfilled. • JW noted that if required once the validation results had been condensed and analysed some very targeted excavations may be required to clean up any remaining hotspots however this would only be undertaken following a discussion with the client and LC. <p>At the conclusion of the site inspection JW noted that LC would be able to access the site next week for a walkover of the site prior to handover if required.</p>	
<ul style="list-style-type: none"> • Topography/elevation 	<p>Sloping downwards towards to the northern boundary. Highest elevation in the southern region of the site. Evidence of likely minor cut and fill earthworks onsite to level the site for building and path works.</p> <p>The consultant reports the site falls in an approximate north west direction from 25 m AHD on the Southern Boundary toward a drain in Ekibin Park East.</p>	
<ul style="list-style-type: none"> • Surrounding land uses 	<p><input checked="" type="checkbox"/> Low Density Residential</p> <p><input type="checkbox"/> High Density Residential</p> <p><input type="checkbox"/> Public Open Space</p> <p><input type="checkbox"/> Commercial/Industrial</p> <p><input type="checkbox"/> Other</p>	<p>Details:</p> <p>The immediate surround landing is residential properties and associated structures (closest approximately 1m to the east). The Greenslopes hospital is to the west of the site.</p> <p>Newdegate Street is present immediately west of the site and Headfort Street is present to the immediate south of the site.</p>



<ul style="list-style-type: none"> Surface water bodies 	<p>None on site. Norman Creek is located approximately 160m south of the site although the topography indicates surface water would flow towards the north west meeting Norman Creek. Norman Creek generally flows in a northern direction meeting the Brisbane River approximately 4.2 km north of the site.</p>		
<ul style="list-style-type: none"> Visual or olfactory signs of contamination 	<p>No visual or olfactory signs observed during the site inspection.</p>		
<ul style="list-style-type: none"> Potential contamination sources e.g. waste, fill, fuel storage, stockpiles 	<p>The lot is listed on the EMR due to the presence of Hazardous Contaminants - organochlorine pesticides (OCPs) in soil. The Site is not subject to a Site Management Plan.</p> <p>The source of the ash fill is presumed to be the result of historical importation of fill.</p> <p>Two vacant buildings were located on the site, in the northern and southern regions which were known to include ACM.</p> <p>The Field Inspector observed the adjacent sites were residential properties. The properties to the northern boundary were undergoing asbestos removal at the time of the inspection and the SQP and Enviropacific team onsite noted this had been ongoing for the previous weeks.</p>		
<ul style="list-style-type: none"> Site covering 	<input checked="" type="checkbox"/> Exposed Soil <input type="checkbox"/> Grassed <input type="checkbox"/> Asphalt/Bitumen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Other	<p>Details:</p> <p>The majority of the site is exposed soil with some remaining areas of backfill (crushed rock) and blue chip gravel</p>	
<ul style="list-style-type: none"> Vegetation 	<p>Nil - removed</p>		
<ul style="list-style-type: none"> Other 	<p>The property is fenced and locked with 24 hr security monitoring the site.</p>		
Scope and Activities			
<p>If not the first inspection, changes to the condition/layout of the site from the previous inspection.</p>	<p>This was the fifth inspection at the site and the first since the remediation works have commenced. The site is in active remediation as per the commentary above.</p> <p>Enviropacific noted that following site set-up remediation proper had commenced approximately 31 August for a total estimated program of 5 weeks.</p>		
<p>Other e.g exclusion areas on site, contamination controls etc.</p>	<p>Exclusion zones were well demarcated on site. The Area 2/3A-C excavation was demarcated with asbestos flagging and access was restricted to this area.</p> <p>Two monitoring units for OCPs were observed to be in place – one in the south-east of the site and one on the northern boundary. Jeremy (Coffey) noted that these would need to be moved as remediation progresses.</p>		
QC/QA OBSERVATIONS			
<p>Were appropriate decontamination details observed during the inspection. Provide details.</p>	<p>Yes. Validation sampling of the 'base' of the site following excavation and remediation works was being undertaken generally noted by the audit inspector to be undertaken in accordance with the requirements of the RAP.</p>		
<p>Were QA/QC samples being collected?</p>	<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Trip Blank <input type="checkbox"/> Trip Spike <input type="checkbox"/> Field Blank </div> <div> <input type="checkbox"/> Rinsate <input type="checkbox"/> Duplicate and Triplicate </div> <div> <p>Sample Names: NA</p> <p>Sample Matrix: Soil</p> </div> </div> <p>QA/QC sampling was not observed at the time of the inspection.</p>		
<p>Were gloves being changed between samples?</p>	<p>Yes – Gloves were observed to be changed between sampling locations.</p>		
<p>Field Equipment Calibration</p>	<p>Field equipment (i.e. PID) was not observed to be in use at the time of the site inspection.</p>		



Were samples placed directly on ice?	Samples were not observed to be placed directly on ice however sampling was not being undertaken for volatile analytes.		
CORRECTIVE ACTION SIGN-OFF (IF APPLICABLE)			
Were any non-conformances/issues identified during the site inspection?	No.		
Were the non-conformances/issues communicated to the consultant on site during the inspection? Provide details.	N/A		
POST INSPECTION CHECKLIST			
	Yes	No	Details
Have this inspection checklist been saved in the project folder?	X		
Have the inspection details been entered into the Project Contaminated Site Audit Log and Reporting Checklist?	X		

SITE INSPECTION PHOTOS


Photograph Log

Photograph	Description	Image
1	<p>View of entrance to site.</p> <p>Imported fill comprising entrance driveway and natural soils visible in background.</p>	
2	<p>View of natural soils and imported fill material in south-west of site (Area 2)</p>	

Photograph	Description	Image
3	View towards center-south of the site	
4	<p>View towards center-north of the site</p> <p>Natural soils visible throughout.</p> <p>Sample jars placed at locations of systematic gridded validation locations (orange arrows)</p>	

Photograph	Description	Image
5	<p>View of south-east corner of site.</p> <p>Natural soils and imported fill material visible.</p>	
6	<p>View of southern boundary of site</p> <p>Natural soils and imported fill material visible.</p>	

Photograph	Description	Image
7	Excavations in area 1, north-east of site form removal of surface water and sewer service lines	
8	North-east corner of site. Sewer main manhole remains insitu in the north-eastern most corner of the site.	

Photograph	Description	Image
9	<p>View looking across the site from the north-eastern corner towards the western boundary.</p> <p>Sample jars visible laid on the ground prior to sampling.</p>	

APPENDIX E RELEVANT AUDITOR CORRESPONDENCE



Audit Details**Project Reference:**

BC200195.01

Site Address:

51-55 Headfort Streets, Greenslopes 4120

Lot on Plan:

Lots 123, 124 and 125 on RP46047

Review Document:

Department of Veteran Affairs. 114 Newdegate Street Greenslopes. Remediation Planning. Sampling, Analysis and Quality Plan (SAQP). 19 July 2021 Rev B Draft. Coffey Services Australia Pty Ltd

**Table 1. Auditor comments on the SAQP**

Item	Section in Report	Report Section Name	Epic Comments 16/08/2021	Consultant Response
1		General	It is noted this is the draft version rather than final Please include names and certification of nominated SQP.	
2		General	The CLA notes that additional information will be required for any future CLID prepared for submission to DES. While information contained herein is generally sufficient for the purposes of the SAQP, consideration could be given to including additional information within the SAQP to streamline any future process.	
3	1	Introduction	It is noted that the future use is park/community use. The site is not vacant but rather as mentioned contains two buildings which also provides consistence with Table 2-1 (Land use).	
4	2.2	Site History	During the site inspection the SQP noted that it was unlikely fill material had been imported onsite but rather cut/fill activities had likely occurred. However, this section notes "It is not known... the source of any fill material used on the Site". Please confirm.	
5	2.3	EMR	Please include the site is not listed on the CLR and summarise the EMR listing (i.e. maximum contaminants).	
6	4.1	Site Geology	It may be of assistance to identify the areas on site where fill has been identified.	
7	4.2.5	Summary of Contamination	It is noted that OCPs and asbestos are the only CoCs for the site however, Section 4.2.3 notes only "limited numbers of samples have been tested for PAHs / metals" for the soil containing slag. Section 4.3 indicates that fill material containing slag will be aesthetically undesirable and removed. Has sufficient sampling occurred for material characterisation to be removed offsite or remain onsite? Currently only slag is proposed to be analysed.	
8	4.4	Implications for Site Redevelopment	It is noted the remediation strategy has not been finalised.	
9	5	Data gaps	Please consider soil materials containing slag. Module 6 requires the CLID to consider groundwater; please confirm sufficient information is available for the site and whether the SQP proposes groundwater sampling. Please include a review of EPP (Water and Wetland Biodiversity) and discussion of the relevant Environmental Values to the site and the associated Water Quality Objectives. Please confirm the 2019 investigation, or this SAQP, reviewed NEMP Appendix B activities associated with PFAS and based on this review PFAS is not considered a CoC.	
10	Table 5.1	DQO	Item 3: Include the investigation levels (or reference Section 7) Item 5, bullet point 5: Include all CoC rather than only OCP	
11	9	Sample locations and depths	Please include additional columns for corresponding laboratory analysis and AEC/COC.	
12	10	Sample analysis and quality control	Consider PAHs for soil samples. It is noted that intra-laboratory duplicate, inter-laboratory duplicate, rinsate and trip sample will be collected however, the analytical suite for these samples is not identified. Section 9 identifies the proposed sampling and Section 10 the analytical suite however it is unclear the number of samples which will be analysed for each suite.	
13	11.2	Soil Sampling	It is noted a hand auger is proposed for sampling which may have limitations such as mixing of soil.	

Audit Details

Project Reference: BC200195.01
Site Address: 51-55 Headfort Streets, Greenslopes 4120
Lot on Plan: Lots 123, 124 and 125 on RP46047
Review Document: Department of Veteran Affairs. 114 Newdegate Street Greenslopes. Remediation Planning. Tetra Tech Coffey Pty Ltd. Dated 25 January 2022 DRAFT

**Table 1. Auditor comments on the REP**

Item	Section in Report	Report Section Name	Epic's Comments 15/02/2022	Consultant Response
1		General	Epic have been commissioned by DVA to provide CLA services for the Environmental Site Investigation works at 114 Newdegate Street Greenslopes	
2		General	It should be noted that the these CLA services for this site were undertaken in general accordance with the provisions of the Environmental Protection Act 1994 (EP Act). Following the remediation of the property, it is understood a CLID will be developed and a review by a certified Contaminated Land Auditor (CLA) will be completed in accordance with the provisions of Chapter 12 of the EP Act.	
3		General	The comments and advice are provided to assist the Suitably Qualified Person (SQP) in progressing with finalising the RP. The information should not be considered pre-emptive of the final report submission for the site, but rather represents the CLAs' opinions based on the current review of available site information. The comments are not designed to be an endorsement or certification of meeting the requirements of the EP Act, but rather are considered as interim advice.	
4		General	The CLA also appreciates that the works were undertaken within a specified scope agreed between Coffey and their client, therefore, the following summary is to be noted within this context. It should also be noted that the scope or limitations of the works should not compromise the administering authority's ability to rely on the documents provided.	
5		General	In the future, if a report is required to form a Contaminated Land Investigation Document (CLID) report for DES submission, it would need to be accompanied by (for each legal property lot): 1. A SQP declaration 2. Completed DES submission form 3. A SQP Suitability Statement (The Suitably Qualified Person (SQP) must sign the report and the declaration) 4. An Auditor report, including Auditor declaration and certification form	
6		General	Please include sections regarding purpose, objectives, SQP, stakeholder roles and responsibilities, review of remedial strategies, validation methodology, contingency planning, operational controls (further details), reporting requirements	
7		General	COC is used for both 'Contaminant of Concern' and 'chain of custody'. Please update to avoid any potential confusion. Please use abbreviations in full the first time in document.	
8		General	It is noted the remediation objective for the site has not been confirmed as to whether the site with remain on the EMR with a SMP or aimed to be removed from the EMR. As an objective is EMR removal it is recommended the Remediation Plan is for the site to be suitable for all landuses.	
9		General	Report does not appear to have a section to discuss the appropriateness of disposal to landfill (LF) in relation to the accepted 'synthetically lined landfill disposal criteria' and leachability/TCLP analytical results.	
10		Limitations	"Report for benefit of client" sub-section states "Unless otherwise agreed between us, the report has been prepared for your benefit and no other party. Other parties should not rely upon the report or the accuracy or completeness of any recommendation and should make their own enquiries and obtain independent advice in relation to such matters ". Please update the limitations to allow the CLA and DES to rely on the reports.	

Audit Details

Project Reference:

BC200195.01

Site Address:

51-55 Headfort Streets, Greenslopes 4120

Lot on Plan:

Lots 123, 124 and 125 on RP46047

Review Document:

Department of Veteran Affairs. 114 Newdegate Street Greenslopes. Remediation Planning. Tetra Tech Coffey Pty Ltd. Dated 25 January 2022 DRAFT



Table 1. Auditor comments on the REP

Item	Section in Report	Report Section Name	Epic's Comments 15/02/2022	Consultant Response
11	3	Previous Investigation	<ul style="list-style-type: none"> - Section 3.0 , or <i>Appendix F: Summary of Previous Investigations</i> , would benefit by including a brief table to summarises the details of the previous three investigations (2013a, 2013b & 2019) and provide an understanding for Section 3.1 Data Gaps. - [Table 3-1] For clarification, Column 3 & 5, should be re-titled to "<i>HIL-A Residential criteria</i> " and "<i>HIL-C Recreational criteria</i> ", respectively. - [Table 3-1] Please include EIL criteria as shown in Tables 8-1 and 8.2. - [1st paragraph below Table 3-1] States "<i>Chlordane also exceeded HIL-C and HIL-A guidelines in one sample</i>". Table 3-1 indicates 2 samples exceeded the HIL-A criteria. Amend sentence for clarity. - [2nd paragraph below Table 3-1] States "range of other OCPs have also been detected with concentrations below HIL-C guidelines". Table 3-1 indicates these samples were also below the HIL-A criteria. Amend sentence for clarity as an objective is EMR removal. - [page 7] States fragments of ACM and asbestos fines reported in SS01, SS02, & SA01. However, Figure 3 illustrates ACM also observed at locations SA04/A04, SA06/A06, 15. Clarify which locations were observed/reported to have ACM fragments &/or asbestos fines. 	
12	6.2	Groundwater Investigation	<ul style="list-style-type: none"> - [2nd paragraph] States "Drill cuttings from the borehole (MW01) were placed in the void beneath the accommodation building". What is meant by the "void"? Later sections in the report (e.g.) imply that the accommodation building has a concrete floor. 	
13	7.1.1	Protection of Human Health	<ul style="list-style-type: none"> - Should Section 7.1.1 be retitled to 7.1 - [Table 7-1, 2nd row of information] formatting issue has occurring between "(refer to" and "Table 7-2)" 	
14	7.1.2	Protection of Ecological Receptors	<ul style="list-style-type: none"> - Should this be retitled to Section 7.2? 	
15	7	Groundwater Investigation Levels	Please note the CLID must consider groundwater, protection of human health & protection of ecological receptors.	
16	8.1	Ground conditions (under 8.0 Investigation Results)	<ul style="list-style-type: none"> - [Fill Material sub-section] States "<i>Fill material was not encountered beneath the slab of the Main Hall Building.</i> " However, the borelog of BH12 indicated presence 0.1m FILL layer (NB. BH12 terminated at 0.1m). - [Groundwater sub-section] States the monitoring well was gauged on 24/11/21, approximately one week after installation of MW01. However, MW01 borelog (in App B) states date started and completed was 17/09/21, which is over 2 months. Please clarify. 	
17	8.2.1	soil material surface to 0.2 m bgl	<ul style="list-style-type: none"> - [Table 8-1] The USEPA criteria presented in Table 9-1 are recommended to be included in this table. [Metals sub-section, Zn concentration] <ul style="list-style-type: none"> - States zinc concentrations exceeded EILs in soil samples (collected from previous investigations) at SS01, SS02 and HA11. However, Section 3.0 (page 7) states elevated zinc were noted in sampling locations SS01 and SS02. Clarify this discrepancy. [Other Potential CoC sub-section] <ul style="list-style-type: none"> - [2nd paragraph] States previous 2013 sampling location, SS04, reported a detectable TRH C16-C34 fraction concentration, which was below the adopted EILs, HIL-A & HIL-C. This is noted to be "a false positive, relating to organic matter within the shallow soil profile". No re-sampling or TRH laboratory analysis was conducted as part of the 2021 Supplementary Investigation to confirm this false positive comment. Is this considered to be a data gap or a quality issue? 	

Audit Details

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**Table 1. Auditor comments on the REP**

Item	Section in Report	Report Section Name	Epic's Comments 15/02/2022	Consultant Response
18	8.2.2	soil materials deeper than 0.2 m bgs	<p>- [Table 8-2] The USEPA criteria presented in Table 9-1 are recommended to be included in this table.</p> <p>[Metals sub-section, Cr(III & VI) concentration]</p> <p>- Table 8-1 states seven soil sample reported a Cr(III & VI) concentration which exceeded the adopted HIL-A criteria of 100 mg/kg & six samples collected during the 2021 Sup. Investigation exceeded the HIL-A. However, a review of the Data Tables (App C) indicates that (natural sample) MW01_0.75 also exceeded the HIL-A. Please clarify.</p> <p>- It is noted that vertical delineation was not possible for BH06_0.5, BH16_0.5, & BH21_0.5, because the borehole was terminated and no other samples were collected. Vertical delineation was not possible for BH07_0.3 & BH08_0.3, because the soil collected below was not analysed for metals.</p> <p>- Please confirm Cr speciation for CrIII and CrVI was undertaken. If not, it is recommended this occur on the highest concentration sample/s.</p>	
19	8.2.4	Concrete	- Include comment on why the concrete floor slabs are considered also representative of stumps and footings, and therefore footing/stump samples were not required to be sampled and analysed.	
20	9	Discussion of results & qualitative risk assessment	<p>- Typo: "Based"</p> <p>- Typo "were"</p>	
21	9.1	Contaminant distribution	<p>- [3rd paragraph] States that the elevated OCP concentrations at depths of approx. 0.45 m bgs at historical sampling locations 10 and 11 may not be localised OCP hotspots, but the result of cross-contamination where material from the upper ground deposits have contaminated these deeper samples. It is noted the proposed remediation strategy (Table 10-3) is for the excavation of 0.6 m in this area. Please confirm whether cross contamination occurred, which impact the remediation design.</p> <p>- Include commentary of contaminant distribution of ACM fragments and asbestos fines</p>	
22	9.3	Risk to ecological environment	<p>- [page 25, last paragraph] There is a reference to Table 6-3 - there is no Table 6-3. Should this be Table 9-1?</p> <p>- [page 25, last paragraph] There is a reference to Section 7.1. Should this be Section 9.1?</p>	
23	10	Remediation Strategy	<p>- [3rd paragraph] States the brick façade and brick gate is shown in Figure 4, App A. This is not clearly illustrated in Figure 4.</p> <p>- Please include commentary on the implications of the Controlled Action (under the Commonwealth EPBC Act 1997) on the proposed Remediation Strategy.</p> <p>- It is noted that 'clean fill' shall be imported to the site. Please include inspection / sampling / review of information for this material that shall be undertaken by the SQP.</p>	
24	10.1	Remediation Objective	<p>- Please confirm the remediation objective is for Park and Community use (and include the site shall remain on the EMR)? If so, please update the entire document to reflect this.</p> <p>- Include the remediation criteria to meet the remediation objective.</p>	

Audit Details

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Review Document: Department of Veteran Affairs. 114 Newdegate Street Greenslopes. Remediation Planning. Tetra Tech Coffey Pty Ltd. Dated 25 January 2022 DRAFT



Table 1. Auditor comments on the REP

Item	Section in Report	Report Section Name	Epic's Comments 15/02/2022	Consultant Response
25	10.3	Proposed Remediation Works	<ul style="list-style-type: none"> - [Table 10-1 & 10-2] Column 2/3 refers to "Note 1". Include Note 1 - [Summary of Proposed Remediation Works sub-section] Include discussion on the retention of the brick façade and the brick gate, including explanation of how the proposed remediation works will achieve retention and prevent damage of these heritage listed items. - [Summary of Proposed Remediation Works sub-section, 3rd bullet point] Change "Excavation contaminated materials" to "Excavation of contaminated materials". - [Table 10-3, Areas 1 & 3] For clarity, suggest rewording to "OCPs in Area xx exceed both NEPM HIL-A and HIL-C guidelines for residential areas with accessible gardens, and parks/open space areas, respectively." - [Table 10-3, Areas 2A, 2B, 3, 4A & 4B] These areas refer to 'unsuitable fill material'. Specify the reasons why this material is considered unsuitable. - [Table 10-3, Area 4A] For clarity, as to why there is a requirement to excavate/remediate, suggest rewording to "Detectable OCPs concentrations were observed in the perimeter of in Area 4A (at sampling locations BH01, BH03, BH12). These detectable OCP concentrations are below the NEPM HIL-A guidelines for residential areas with accessible gardens; however, they exceed the adopted remediation criteria of standard LOR (Section 10.2)." - [Table 10-3, Area 4A] For clarity, suggest rewording the: <ul style="list-style-type: none"> (a) First sentence to "..... around the perimeter of this area which adjoin Area 1, Area 2A and Area 2B." (b) Third sentence to "..... perimeter of Area 4 which adjoin Area 1, Area 2A and Area 2B and disposal to" 	
26	10.3	Proposed Remediation Works	It is noted that validation sampling will be undertaken progressively. Please include details of the proposed validation testing include location, analytes and QA/QC samples	
27	10.4.2	Qld Waste Levy	<ul style="list-style-type: none"> - [page 34, last sentence of 2nd paragraph] Appears to be a missing word. Should this read as "... <i>Queensland Water Levy based on the criteria</i>"? - It is noted the SQP does not intend to apply for the Waste Levy. It is recommended the SQP consider timing further and request records from the client regarding historic site management practices. 	
28	10.4.3	Disposal or reuse of excavated material	The use of "Type 1 materials" and "Type 2 materials" is confusing. Consider referring to remediation areas and depth.	
29	10.5	Controls	<p>Please consider including further details.</p> <p>Please define a competent person. Please note this person shall also assess suitability of import material, and all works meeting regulatory requirements.</p>	
30	11	Conclusions	- Please update this section with consideration of above comments.	
31	Appendix A	Figure 3	<ul style="list-style-type: none"> - Figure3 illustrates four sampling locations exceeding the NEPM HIL-D. However, HIL-D is not discussed as an adopted criteria in the report (Section 7.0 Investigation Levels). It is unclear why HIL-D Commercial/Industrial is shown in Figure 3. - Figure 3 appears to illustrate the fill depths for only: (a) the 2021 investigation sampling locations; and (b) other previous investigation locations, only if there's the presence of ash, slag, ACM &/or other anthropogenic materials (wood, brick, etc.). Please confirm the depths to fill (where relevant) are shown for the other previous sampling locations. 	
32	Appendix B	Borelogs	Include 'equipment type' and 'hole diameter' in borelogs. Was odour noted?	
33	Appendix G	QA/QC	<ul style="list-style-type: none"> - [Sect 2.2, page 3/5] Comments stated "Eurofins submitted the QA/QC inter lab samples to ALS & these were received by ALS with a temperature of 14.6 & 15.3 degrees celsius. A correction action has been raised with Eurofins. This is considered to be minor breach and not have affected the lab results reported by ALS." The quality of this data requires further consideration. - [Sect 3.6, page 5/5] States spike recoveries & surrogate recoveries were not within control limits. Comments were statements and the conclusion was that lab internal QA/QC was 'satisfactory'. The quality of this data requires further consideration. 	

MEMORANDUM

Recipient name	Louise Cartright	Recipient company	Epic Environmental
Copied recipients	David Binny Department of Veteran Affairs	Memo date	25 January 2022
Author	Jeremy Wicks		
Project reference	754-BNEEN282781		
Memo subject	Response to Site Auditor Comments on SAQP		

Coffey has amended the SAQP based on the comments provided on the 16 August 2021. Please refer to the response table below and the following documents provided with this Memorandum:

- Draft Site Investigation Report 25/01/21
- Draft SAQP Declaration

Item	Section Report No.	Report Section Name	Epic Comments 16/08/2021	Coffey Response
1		General	It is noted this is the draft version rather than final Please include names and certification of nominated SQP.	The nominated SQP is Jeremy Wicks. Please refer to attached Draft SQP Declaration.
2		General	The CLA notes that additional information will be required for any future CLID prepared for submission to DES. While information contained herein is generally sufficient for the purposes of the SAQP, consideration could be given to including additional information within the SAQP to streamline any future process.	Comment noted.
3	1	Introduction	It is noted that the future use is park/community use. The site is not vacant but rather as mentioned contains two buildings which also provides consistence with Table 2-1 (Land use).	Comment noted. The term vacant is not included in the Draft Site Investigation Report.
4	2.2	Site History	During the site inspection the SQP noted that it was unlikely fill material had been imported onsite but rather cut/fill activities had likely occurred. However, this section notes "It is not known... the source of any fill material used on the Site". Please confirm.	Previous investigations have described the presence of fill on the Site including a materials with slag and other anthropogenic materials. Further information on fill materials observed on the Site are described in the Draft Site Investigation Report.
5	2.3	EMR	Please include the site is not listed on the CLR and summarise the EMR listing (i.e. maximum contaminants).	Section 2.3 of the Draft Site Investigation Report has been amended to address these comments. Maximum concentrations reported in previous investigations are described in Section 3 of the Draft Site Investigation Report.

Item	Section Report No.	Report Section Name	Epic Comments 16/08/2021	Coffey Response
6	4.1	Site Geology	It may be of assistance to identify the areas on site where fill has been identified.	Please refer to Section 8.1 of the Draft Site Investigation Report, and Figure 3 in Appendix A.
7	4.2.5	Summary of Contamination	It is noted that OCPs and asbestos are the only CoCs for the site however, Section 4.2.3 notes only "limited numbers of samples have been tested for PAHs / metals" for the soil containing slag. Section 4.3 indicates that fill material containing slag will be aesthetically undesirable and removed. Has sufficient sampling occurred for material characterisation to be removed offsite or remain onsite? Currently only slag is proposed to be analysed.	<p>Following completion of the proposed supplementary investigation described in the SAQP, sufficient sampling is considered to have been undertaken to inform remediation planning and obtaining a Disposal Permit for the materials to be removed from the Site. Obtaining a Disposal Permit is subject to written acceptance from the recipient landfill and approval from DES.</p> <p>Further sampling is expected to be required as part of remediation irrespective of whether the site is removed or not removed from the EMR. The requirement for further sampling as part of remediation will be confirmed following completion of the investigation described in the SAQP and following confirmation of the remediation strategy for the Site.</p>
8	4.4	Implications for Site Redevelopment	It is noted the remediation strategy has not been finalised.	<p>Comment noted.</p> <p>Please refer to Section 10 of the Draft Site Investigation Report which describes the Remediation Strategy proposed for the Site.</p>
9	5	Data gaps	<p>Please consider soil materials containing slag.</p> <p>Module 6 requires the CLID to consider groundwater; please confirm sufficient information is available for the site and whether the SQP proposes groundwater sampling. Please include a review of EPP (Water and Wetland Biodiversity) and discussion of the relevant Environmental Values to the site and the associated Water Quality Objectives.</p> <p>Please confirm the 2019 investigation, or this SAQP, reviewed NEMP Appendix B activities associated with PFAS and based on this review PFAS is not considered a CoC.</p>	<p>Soil materials containing slag were investigated in 2019 and reported in Coffey (2019) Delineation of Organochlorine Soil Impacts (114 Newdegate Street, Greenslopes QLD).</p> <p>In the investigation described in the SAQP samples of slag material will be collected for analysis. During the investigation where soil materials were observed with slag or other anthropogenic materials PAHs were included in the analysis of these materials.</p> <p>Please refer to Section 8.2.3 for further information on slag materials.</p> <p>The contaminants of concern have low solubility and based on geology and topography groundwater is expected to be deep on the Site (>20 m below ground surface); accordingly the risk to groundwater is considered to be low.</p> <p>However based on our discussions we understand that the State may require a groundwater monitoring well to confirm that there has not been impact to groundwater on the site. Based on our discussions one groundwater monitoring well was installed to 6 m. Please refer to Section 6.2 of the Draft Site Investigation Report.</p> <p>Information on regional geology/hydrogeology and environmental values has been included in Section 2.5 and 2.6 of the Draft Site Investigation Report.</p> <p>The subject site does not include activities described in Appendix B of the NEMP. Accordingly no analysis for PFAS is proposed to be undertaken in the investigation. Please refer to Section 3.2 of the Draft Site Investigation Report for this clarification.</p>

Item	Section Report No.	Report Section Name	Epic Comments 16/08/2021	Coffey Response
10	Table 5.1	DQO	Item 3: Include the investigation levels (or reference Section 7) Item 5, bullet point 5: Include all CoC rather than only OCP	Please refer to Section 5 of the Draft Site Investigation Report Reference to Section 7 has been made in Item 3 'OCP' has been removed from Item 5. Item 5 now just refers to 'contamination'.
11	9	Sample locations and depths	Please include additional columns for corresponding laboratory analysis and AEC/COC.	Laboratory analysis specific to the samples being collected (soil, concrete and slag) is described in Section 6.1 of the Draft Site Investigation Report.
12	10	Sample analysis and quality control	Consider PAHs for soil samples. It is noted that intra-laboratory duplicate, inter-laboratory duplicate, rinsate and trip sample will be collected however, the analytical suite for these samples is not identified. Section 9 identifies the proposed sampling and Section 10 the analytical suite however it is unclear the number of samples which will be analysed for each suite.	PAHs have not been reported in previous investigations. PAHs will be included in the analysis of slag materials and soil materials containing anthropogenic materials. Please refer to Section 6.1 of the Draft Site Investigation Report QA/QC samples will be analysed for OCPs and metals. Please refer to Section 6.3 of the Draft Site Investigation Report The number of samples to be tested for each samples type was approximately: <ul style="list-style-type: none"> • Soil samples (1-3 per borehole): OCPs, metals (arsenic, cadmium, chromium, copper, lead, nickel, mercury, and zinc), and asbestos. OPPs were included in a selection of soils samples as well. PAHs were included where ash/slag type materials were observed in fill materials. • concrete samples (1 per borehole): OCPs • slag samples (2 samples): metals, PAH
13	11.2	Soil Sampling	It is noted the remediation strategy has not been finalised.	Comment noted. Please refer to Section 10 of the Draft Site Investigation Report which describes the Remediation Strategy proposed for the Site.

Audit Details

Project Reference: BC200195.01
Site Address: 51-55 Headfort Streets, Greenslopes 4120
Lot on Plan: Lots 123, 124 and 125 on RP60407
Reviewed Document: Department of Veterans Affairs, 114 Newdegate Street Greenslopes, Draft Remediation Action Plan (RAP) - Tetra Tech Coffey Pty Ltd. DRAFT Revf (dated 18 August 2023).
Document received: On 18/08/23 received; and SQP's response to IAA003 comments register/log

**Table 1. Interim Auditor Comments IAC003 on the Draft (Rev F) Remediation Action Plan (RAP). Received 18 August 2023.**

Item	Section in Report	Report Section Name	Review #1 on RAP Rev D Epic Comments 30/05/2023	Review #1 SQP Response 01/08/2023	Review #2 on Rev E (dated 01/08/23) Epic Comments 03/08/2023	Review #2 SQP Response 07/08/2023	Review #3 on Rev E dated 07/08/23 Epic Comments 13/08/2023	Review #3 SQP Response 14/08/2023	Date Action Closed	Comment Status (Open / Closed)
1	NA	General	Epic have been commissioned by the Department of Veterans Affairs (DVA) to provide contaminated land auditing (CLA) services for the Environmental Site Investigation works at 114 Newdegate Street in Greenslopes.	Comment noted	-	-	-	-	3/08/2023	-
2	NA	General	It should be noted that the these CLA services for this site were undertaken in general accordance with the provisions of the <i>Environmental Protection Act 1994</i> (EP Act). Following the remediation of the property, it is understood a Contaminated Land Investigation Document (CLID) will be developed and a review by a certified Contaminated Land Auditor/Auditor will be completed in accordance with the provisions of Chapter 12 of the EP Act.	Comment noted	-	-	-	-	3/08/2023	-
3	NA	General	The comments and advice are provided to assist the Suitably Qualified Person (SQP) in progressing with finalising this Draft Remediation Action Plan (RAP). The information should not be considered pre-emptive of the final report submission for the site, but rather represents the Auditor's opinions based on the current review of available site information. The comments are not designed to be an endorsement or certification of meeting the requirements of the EP Act, but rather are considered as interim advice.	Comment noted	-	-	-	-	3/08/2023	-
4	NA	General	It is noted the document's Quality Information provided on page 2 of 76 indicates that previously issued draft Versions A (10/04/22), B (11/05/22), and C (12/05/22) of the Remediation Action Plan (RAP) (Ref.no. 754-BNEEN282781) were not issued to the Auditor for review and comment. Thus, Revision D (27/03/23) is the first time the Auditor has been presented with this information.	Comment noted	-	-	-	-	3/08/2023	-
5	NA	General	The Auditor was previously issued with Draft Revision C of the "Remediation Planning (RP), Supplementary Investigation", and issued audit comments to the SQP on 15/02/2022. This RAP document appears to contain similar information which was presented in Revision C of the RP Supplementary Investigation document. Please address the Auditor's comments issued in interim auditor's comments log, IAC002 RP Rev C, dated 15/02/2022, and ensure these updates are reflected in this RAP document. In particular, please address previously issued IAC002 comment nos. 16, 17, 18, 19, and 20 which relate to potential data inconsistencies.	Response to comments on the RP (15/2/23) were provided to DVA for issue to the Site Auditor on the 12/5/22, and then sent directly from Tetra Tech Coffey to the Site Auditor on the 24/4/23. Responses previously prepared by Tetra Tech Coffey have been incorporated into this response register and revised RAP as appropriate.	-	-	-	-	3/08/2023	Closed
6	NA	General	Please use abbreviations in full the first time in document. For example, the following acronyms have been used: TTC in Section 1.0, and ILS in Section 5.2.	The TTC abbreviation has been removed. The acronym for ILS has been added to Section 5.2	-	-	-	-	3/08/2023	Closed
7	NA	General	The document refers to an EMP throughout the RAP. Section 1.0 states "A Draft Construction EMP for these activities is provided in <i>Envirospacific Services (2022) Construction Environmental Management Plan, Department of Veterans Affairs (DVA) – ACM Removal, Demolition, Site Stripping and Soil Remediation Works, Newdegate and Headfort Streets, Greenslopes, QLD, 4120</i> ". Please confirm that the EMP discussed in the RAP is referring to the "Envirospacific Services (2022) Draft Construction EMP".	Confirming the EMP referred to in the RAP is the EPS Draft Construction EMP. Please refer to the added footnote in Section 1.	-	-	-	-	3/08/2023	Closed
8	1.0	INTRODUCTION	[Paragraph 6] Provide some context as to why DAWE, a federal department, is involved in this Queensland based project. For example, the site is owned by the Department of Veteran Affairs (DVA), a federal department.	The following sentences has been added to Paragraph 4 "The Site is owned by the DVA and is therefore located on Commonwealth land. The Commonwealth Department of Agriculture, Water and the Environment (DAWE) is advising DVA, at the Commonwealth level, on their environmental requirements and obligations."	-	-	-	-	3/08/2023	Closed
9	1.0	INTRODUCTION	[Paragraph 7] States this RAP should be read in conjunction with the "Remediation Planning (RP), Supplementary Investigation (TTC Supplementary Investigation)". The Auditor was previously provided with the RP document (Draft, Revision C, dated 25/01/2022). On 15/02/22, the Auditor provided the SQP with comments on RP (Rev C). Please clarify whether the Auditor's comments on the RP (Draft Rev C) will be addressed and an updated RP will be provided to the Auditor for further review and comment.	Please refer to response to item 5.	-	-	-	-	3/08/2023	Closed
10	1.0	INTRODUCTION	[Par.8] Refers to the "Envirospacific Services (2022) Construction Environmental Management Plan (EMP), Department of Veterans Affairs (DVA) – ACM Removal, Demolition, Site Stripping and Soil Remediation Works, Newdegate and Headfort Streets, Greenslopes, QLD, 4120". This document has not been reviewed by the Auditor, and the Auditor has not provided comment with respect to the Draft Construction EMP. Provide details on whether the Draft Construction EMP has been provided to DAWE for approval, and if the document has been approved.	DVA to confirm in the Construction EMP has been submitted to DAWEs and advise the Site Auditor. DVA to provide a copy of the Construction EMP to the Site Auditor.	Outstanding	Please note that DVA provided a copy of the Construction EMP on the 1/8	TTC/SQP has confirmed that Revision 1 (dated 20/04/2022) of the "Envirospacific Services (2022) Construction Environmental Management Plan (EMP), Department of Veterans Affairs (DVA) – ACM Removal, Demolition, Site Stripping and Soil Remediation Works, Newdegate and Headfort Streets, Greenslopes, QLD, 4120" (that was provided via email by DVA to Epic) is the correct version of draft Construction EMP. Seek confirm from DVA, that the Draft Construction EMP was provided to DAWE for approval, and whether if the document has been approved by DAWE.	Please refer to DVA response 14/8/23 which confirms DAWEs approval of this document.	18/08/2023	Closed

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11	1.1.1	Remediation Contractor	Provide the name/details of the Remediation Contractor and their proposed representative. If no Remediation Contractor has been nominated, please state this in Section 1.1.1.	Please refer to changes to Section 1.1	-	-	-	-	3/08/2023	Closed
12	1.1.2	Suitably Qualified Person (SQP)	Similarly to above, state the name/details of the SQP and Consultant	Please refer to changes to Section 1.1	-	-	-	-	3/08/2023	Closed
13	1.1.3	Licensed Asbestos Assessor	Similarly to above, state the name/details of the Consultant and the nominated LAAs	Please refer to changes to Section 1.1	-	-	-	-	3/08/2023	Closed
14	1.1	Roles & Responsibilities	For completeness, suggest that the other key stakeholders (and their representatives) be identified, and their responsibilities/project scope of works be discussed. Other stakeholders may include the Client, Principal Contractor, CLA/Auditor, cartage contractor, and licenced disposal facility. This info could be tabulated and include the information currently presented in Sections 1.1.1 to 1.1.3.	Please refer to changes to Section 1.1	-	-	-	-	3/08/2023	Closed
15	2.0	OBJECTIVES OF RAP	Paragraph 5 of Section 1.0 Introduction states "in 2023 DAWE confirmed the additional requirement to remove the Site from the EMR as practicable". Update Section 2.0 to reflect that the following are also objectives: - Removal of Site from the Environmental Management Register (EMR). This means the Site will be suitable for any/all landuses, including the intended landuse of 'park and community use' - Site Management Plan (SMP) will not be required to be developed, if the Site is removed from the EMR	Please refer to changes to the objectives in Section 2.	-	-	-	-	3/08/2023	Closed
16	3.0	TECHNICAL AND REGULATORY FRAMEWORK	Provide a discussion on the regulatory framework of the proposed remediation works and RAP document in relation to assessing the site with respect to the Commonwealth EPBC Act and Queensland regulatory triggers.	Please refer to additional paragraphs added to the end of Section 3.	-	-	-	-	3/08/2023	Closed
17	4.1	SITE IDENTIFICATION	Please update Table 4-1 to include: - Site address: Include postcode - Lot/plan number: Provide land areas of each lot - Landuse: State former, and future landuse - Zoning: State future land zoning. Will the zoning need to alter to allow park/community use? - EMR/CLR status: State that each of the 3 lots are listed on the EMR and are listed on the CLR. State the EMR site/lot ID numbers, and why each lot is listed on the EMR - Geographic coordinates or centroid (GDA2020)	Please refer to changes to Table 4.1	-	-	-	-	3/08/2023	Closed
18	4.2	ENVIRONMENTAL SETTING	(Topography & Drainage) - Comment on the topography of the Site, and if there are any falls across the Site - State the distance (i.e. metres) of the Site to Norman Creek (drain)	Falls were already stated in the Topography & Drainage item. Distance to Norman Creek Drain has been added to Table 4.2	-	-	-	-	3/08/2023	Closed
19	4.2	ENVIRONMENTAL SETTING	(Hydrogeology) - Provide details on aquifer types (unconfined, semi-confined, confined) and aquitards/aquiclude present - Provide details on current usage and likely resource potential	Relevant information on hydrogeology of the Site was included in Table 4.2. Further information on type of aquifer (unconfined, semi-confined, confined) and presence of aquitards/aquicludes is to be provided in the CLID at the completion of validation sampling. The following sentence has been added to this item in Table 4.2. <i>Extraction of use of groundwater in the vicinity of the Site is considered unlikely based on the supply of reticulated potable water in Brisbane.</i>	(1) Closed on the understanding that further hydrogeology information will be included in the future CLID (2) Closed	-	-	-	3/08/2023	Closed - will be addressed in CLID
20	4.2	ENVIRONMENTAL SETTING	Provide details of site-specific soil and geological records	Added in Table 4-2 in "Local Geology"	-	-	-	-	3/08/2023	Closed
21	5.0	PREVIOUS INVESTIGATIONS	The last paragraph states "The following is a summary of the findings of the (RP) TTC Supplementary Investigation". Confirm that sub-sections 5.1 to 5.3 also summarise the findings of the Phase 1, Phase 2, and the 2019 delineation of organochlorine soil impacts. Update the sentence, if required.	Confirming that the Supplementary Investigation incorporated data and findings from these previous investigations. Data from previous investigations had also been incorporated into the RAP. Please refer to the 2nd last paragraph of Section 5 which states: <i>Previous investigation sampling locations are shown in Appendix A, and the analytical data summarised in Appendix B.</i> The following sentence has been added to Section 5: <i>The report on the Supplementary Investigation included data from the previous investigations.</i>	-	-	-	-	3/08/2023	Closed
22	5.2	CONTAMINATION	[Table 5-1] Include concentration units in the table heading row	Concentration units were stated in the first column of the table heading and have now been included in each column.	-	-	-	-	3/08/2023	Closed
23	5.2	CONTAMINATION	[Table 5-1] Given the paragraphs below Table 5-1 discuss exceedances of the adopted site assessment criteria (SAC) of NEPM HIL-A and HIL-C, suggest that Table 5-1 be amended to include: - New columns to present the adopted HIL-A and HIL-C criteria - Colour coding/shading of any maximum concentrations that exceed the adopted SAC. So it can tie in with Figure 3 - A summary of the information presented in Tables 5-1 and 5-2 (in the RP Supplementary Investigation) including the number of samples that exceed the HIL-A and HIL-F criteria for aldrin+dieldrin, chlordane and/or Cr(III+VI)	Please refer to the amendments to Table 5.1	[revised Table 5.1] Columns 7 & 8 present the number of soil samples exceeding HIL-A and HIL-B respectively. Clarify that the 'number of soil samples' relates to all samples and is not in relation to 'surface to 0.2 mbgs' or 'deeper than 0.2 mbgs' profiles.	Please refer to amendments to Table 5.1. Data has been included to show the number of samples which exceed HIL-A/HIL-C for both surface materials to 0.2 m bgs, and materials deeper than 0.2 m bgs.	-	-	12/08/2023	Closed

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24	5.2	CONTAMINATION	[Discussion of OCP results] (1) Summarise the following information previously presented in Tables 8-1 and 8-2 of the RP Supplementary investigation document by specifying: - The sample ID nos. of upper soil materials (0.0-0.2 mbgs) that exceeded the HIL-A and HIL-C criteria for both aldrin-dieldrin and chlordane. - The sample ID nos. of the deeper soil samples (>0.2 mbgs) that exceeded the OCP aldrin-dieldrin HIL-A and HIL-C criteria (2) Make a comment that concentrations exceeding HIL-C also exceeded the adopted HIL-A criteria (3) It is noted that Figure 3 illustrates four sampling locations that exceed the NEPM HIL-D. Please include in Section 5.2, a discussion of these HIL-D exceedances (including soil sample ID nos.), and how it relates to the project. It is noted that a note on Figure 3 states comparison of concentrations against HIL-D was conducted to identify potential waste disposal facilities.	Refer to added Table 5-2 Refer to added sentence after Table 5-2 Refer to added last paragraph in Section 5.2	There appears to be discrepancies between the data presented in Tables 5.1 and 5.2. Please check all the listed soil sample IDs (in Table 5.2) and total numbers (in Table 5.1) to ensure the data correlates with each other. For example: (1) Table 5.1 states 18 soils samples exceeded the Aldrin+Dieldrin HIL-A criteria. However, Table 5.2 suggests that there were 15 soil samples (in upper soils 0.0-0.2 mbgs) and 2 soil samples in (>0.2 mbgs). Please address the inconsistency. (2) Seven soil samples exceeded HIL-A (Table 5.1), but there are only 3 soil sample ID nos. listed in Table 5.2. Please address the inconsistency. (3) The maximum zinc concentration in Table 5.1 suggests the some soil samples exceeded the zinc EIL-res/open space. However, Column 7 states three samples exceeded the zinc HIL-A. Please amend.	1) Please refer to amendments to Table 5.1 and Table 5.2 2) Refer to amendments to Table 5.1 and Table 5.2 References to exceedances of HIL-A for zinc have been removed from Table 5-1 and Table 5.2. Note 1 has been added to Table 5-1 in regard to the exceedances of the EILs for Zinc.	-	-	12/08/2023	Closed
25	5.2	CONTAMINATION	[Discussion of ACM & asbestos fines, pg 8 (pg13/76)] (1) Expand "ILs". Please use abbreviations in full the first time in document (2) Specify what were the adopted investigation levels (ILs) for asbestos fines (3) [8 bullet points] (a) Both A01 and A10 are listed twice in the bullet points (b) Figure 3 shows ACM was present at location no. 15, not SA10/A10. Please clarify, and (as required) amend report text or Figure 3 (c) Specify which samples had 'ACM fragments' present, and which samples reported asbestos fines (in soil) exceeding the ILs (4) [Paragraph 2] Please clarify if this sentence should read "Fragments of ACM were not observed in the 2021 investigation and asbestos fines were was not reported in soil samples analysed in 2021." (5) [Par 3] Please clarify if this sentence should read "Soil materials, while in the upper ground deposits (<0.25 mbgs) have	1) Amended 2) Refer to added amendments. 3) Duplicate references to A01 and A10 have been removed. Figure 3 is correct. Please note that locations SA10/A10 and 15 represent the same sampling locations (the notation of ACM next to these locations is appropriate). For remediation planning purposes Tetra Tech Coffey considers it necessary to provide further detail on specific samples with samples exceeding ILs based on the following assumption which has been made in the RAP and for remediation planning purposes and stated in Section 5.2: "As a precautionary measure the upper soil deposits should be considered to contain ACM and there would also be the potential for fragments of ACM to be displaced into the upper soil deposits during demolition of the existing buildings." If the Site Auditor requires this Figure to be generated Tetra Tech Coffey suggested it be included in the CLID. 4) The paragraph is correct. Only an asbestos presence/absence analysis was undertaken in 2021 and ACM fragments were not observed.	(1) Closed (2) Closed (3a) Closed (3b) Noted that locations SA10/A10 and 15 represent the same sampling locations. Closed. (4) Closed (5) Closed	-	-	3/08/2023	Closed	
26	5.2	CONTAMINATION	[Discussion of metal concentrations, pg 8 (pg13/76)] Summarise the following information previously presented in Tables 8-1 and 8-2 of the RP Supplementary investigation by specifying: - One surface soil sample (0.0-0.2 mbgs) exceeded the chromium (III + VI) HIL-A criteria. The Auditor notes that Table 5-1 indicates the sample's chromium concentration was 100 mg/kg which is equal to the HIL-A criteria. Amend information presented, if required. - Seven samples of deeper soil material (>0.2 mbgs) exceeded the chromium (III + VI) HIL-A criteria This is relevant information, given a remediation objective is removal of the Site from the FMR	5) Amended Please refer to the added text at the end of Section 5.2 in regard to Chromium which has been taken directly from the report on the Supplementary investigation. Chromium is present in soil as Chromium III and is not considered to be a driver for the remediation of the Site.	-	-	-	3/08/2023	Closed	
27	5.2	CONTAMINATION	[Discussion of metal concentrations, pg 8 (pg13/76)] Please confirm Cr speciation for Cr(III) and Cr(VI) was undertaken. If not, it is recommended this occur on the highest concentration sample/s	Refer to response to Item 27	SQP's response to comment #26 and the newly included text at the end of Section 5.2 is noted.	-	-	3/08/2023	Closed	
28	6.0	CONCEPTUAL SITE MODEL	Primary and secondary sources of contamination are identified/listed. Please specify the contaminants of potential concern (CoPC) associated with these identified contamination sources.	Please refer to the following sentence added to the 2nd paragraph of Section 6. Contaminant of concern associated with the application of termiticides on the Site include OCPs (mainly aldrin and dieldrin), and asbestos. Other OCPs present in soil included DDT+DDE+DDD, endosulfan I, endrin, heptachlor, endrin aldehyde and endrin ketone.	-	-	-	3/08/2023	Closed	
29	6.0	CONCEPTUAL SITE MODEL	It is suggested to present the conceptual site model (CSM) in a table with the headings of: source; CoPC; potential pathway(s); potential receptor; likelihood of a complete source-pathway-receptor relationship (e.g. likely, possible, unlikely, unknown); and provide rationale and comment on the pathway and receptor linkages. This proposed CSM table would clearly illustrate that all sources and receptors were identified, and which source-pathway-receptors are considered likely, possible or unknown for the site, and eliminate those which are unlikely (e.g. RAP indicates groundwater was considered low and unlikely).	Comment noted. A simplified CSM was presented in the RAP. A tabular style CSM will be included in the CLID/Validation Report.	Closed on the basis that a more comprehensive tabular style CSM will be presented in the future CLID/Validation Report.	-	-	3/08/2023	Closed - will be addressed in CLID	
30	6.1	REMEDIATION GOALS	Should this be a Heading 1, i.e. Section 7.0 Remediation Goals?	Section heading has been amended.	-	-	-	3/08/2023	Closed	
31	6.2	REMEDIATION STRATEGY	Should this be Section 6.1?	Section heading has been amended.	-	-	-	3/08/2023	Closed	

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32	6.2	REMEDIATION STRATEGY	<p>(1) Information in this section appears to focus on and discuss the 'adopted/selected remedial approach' for this project. Please include and discuss the assessment of remedial options. This discussion will then provide rationale for why the selected remedial approach was adopted.</p> <p>(2) Please include commentary on the implications of the Controlled Action (under the Commonwealth EPBC Act) on the proposed Remediation Strategy</p> <p>(3) Please include a discussion on constraints such as heritage features (brick façade and fence) and how this may affect, or won't affect, the proposed Remediation Strategy</p>	<p>1) The following paragraph has been added to Section 6.2 (now 7.1)</p> <p><i>Soils removed from the Site are to be disposed to a licenced landfill or beneficially reused at a resource recovery facility (refer to Section 8). Other potential remediation options such as containment (e.g. capping) were not considered based on the requirement from DAWE to remove the contaminated soil from the Site and the property from the EMR. Alternatives to disposal to a licenced landfill such as thermal destruction are considered cost prohibitive and were not considered further.</i></p> <p>The implications of the Controlled Action on the Remediation Strategy were discussed in the first two paragraphs of Section 6.2 (now 7.1).</p> <p>Constraints around heritage features have been removed from the RAP with the exception of the brick fence. The brick facade is being dismantled and removed from the Site. Soil materials beneath the brick fence to be removed by hand (refer to Amendments to Area 2B in Table 7-1).</p>	<p>[Now Section 7.1]</p> <p>(1) Closed</p> <p>(2) Closed</p> <p>(3) Table 7.1 does not exist. Tables 8.1 and 8.2 (in Section 8.3: MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS) do not present information for Area 2B. Please clarify where this information is presented/discussed in this report.</p>	<p>3) The discussion on the materials requiring remediation has been moved to Appendix G.</p> <p>The area referred to in RAP Rev D as 2B is now referred to as Area 2.</p>			Closed	
33	6.3	REMEDIATION OBJECTIVE	Should this be Section 6.2?	Section heading has been amended.	-	-	-	-	3/08/2023	Closed
34	6.3	REMEDIATION OBJECTIVE	Make comments/statements on the alternative remediation objective of 'remediate the site to make it suitable for parkland use (i.e. meet adopted SAC of NEPM HIL-C (park/community landuse setting))', in the event OCP contaminated soil can not be removed to extent to allow removal of the Site from the EMR. This may mean the Site remains on the EMR with a SMP to ensure it is suitable for parkland use.	Refer to added paragraph at the end of 6.3 (now 7.3)	Additional paragraph is noted. Last sentence of additional paragraph states "This may mean the Site remains on the EMR with a SMP to ensure it is suitable for parkland use. Note on ecological receptors ". Amend to re-create subheading of "Note on ecological receptors".	Sub-heading created	-	-	12/08/2023	Closed
35	6.4	REMEDIATION CRITERIA	Make a comment that HIL-C criteria will be adopted in the event of the 'alternative' remediation objective.	Refer to response to Item 34	-	-	-	-	3/08/2023	Closed
36	7.1	SITE ESTABLISHMENT	Provide comment on the responsible party(s)	Refer to added first sentence.	-	-	-	-	3/08/2023	Closed
37	7.2	VEGETATION CLEARING	Provide comment on the responsible party(s)	Refer to added first sentence.	-	-	-	-	3/08/2023	Closed
38	7.3	EXCAVATION	Provide comment on the party(s) responsible for undertaking, supervising and/or directing the excavation works.	Refer to added first sentence.	[Changed to Section 8.3] Correct following typo error in first sentence "The Principal Contractor/Remediation Contractor will be responsible for undertaking undertaking, supervising and/or directing the excavation works."	Amended	-	-	12/08/2023	Closed
39	7.3	EXCAVATION	[Table 7-1, rows "Area 1" and "Area 3"] To provide clarity, suggest rewording to "OCPs in Area xx exceed both NEPM HIL-A and HIL-C guidelines for residential areas with accessible gardens, and parks/open space areas, respectively."	Refer to amendments.	[Former Table 7-1 has been reworked into Appendix G: Materials Requiring Remediation	-	-	-	3/08/2023	Closed
40	7.3	EXCAVATION	[Table 7-1, rows for Areas 2A, 2B, 3, 4A & 4B] These areas refer to 'unsuitable fill material'. Specify the reasons why this material is considered unsuitable.	The term Unsuitable Fill Materials is defined beneath Table 8-1. The sentence has been modified to make it clear that the term applies throughout the RAP.	-	-	-	-	3/08/2023	Closed
41	7.3	EXCAVATION	[Table 7-1, row "Area 4A"] (1) To provide clarity, as to why there is a requirement to excavate/remediate, suggest rewording to "Detectable OCPs concentrations were observed in the perimeter of Area 4A (at sampling locations BH41, BH43, BH42). These detectable OCP concentrations are below the NEPM HIL-A guidelines for residential areas with accessible gardens; however, they exceed the adopted remediation criteria of standard 1 OR". (2) For accuracy, suggest rewording to "... around the perimeter of this area which adjoin Area 1, Area 2A and Area 2B"	Refer to amendments. Tetra Tech prefers the current wording as it is applicable to the results for this area.	-	-	-	-	3/08/2023	Closed
42	7.3	EXCAVATION	[Table 7-1, row "Area 4B"] For accuracy, suggest rewording to "... perimeter of Area 4B which adjoins Area 1, Area 2A and Area 2B and disposal to ..."	Tetra Tech prefers the current wording as it is applicable to the results for this area.	-	-	-	-	3/08/2023	Closed
43	7.3	EXCAVATION	Table 7-1 and Section 7.4 indicate that Areas 1, 2A, 2B, and 3 will be excavated in two layers - generally surface layer 0-0.25 m bgs and a deeper layer either 0.25-0.5 m bgs or 0.25-0.6 m bgs. The 2 layers are described as Type 1 and Type 2 Materials. Type 1 Materials will be disposed to licenced landfill facility under soil disposal permit (SDP). Whilst Type 2 (without ACM) will be either disposed to licenced landfill facility under SDP, or reused at a licenced resource recovery facility. Thus, please amend the volumes in Table 7-2 to reflect this by including columns for: - Surface soil layer (Type 1 Materials) - assumed excavation depth - Surface soil layer (Type 1 Materials) - assumed excavation volume - Underlying deeper soil layer (Type 2 Materials) - assumed excavation depth - Underlying deeper soil layer (Type 2 Materials) - assumed excavation volume	<p>Please refer to the revisions in Section 8.3 MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS. Reference to Type 1/Type 2 materials has now been removed to simply the document.</p> <p>Table 8-1 summarises the materials to be removed including excavation depth/volume from ground surface to 0.25 m bgs.</p> <p>Table 8-2 summarises the materials to be removed including excavation depth/volume from ground surface to 0.25 to 0.4 m bgs.</p>	<p>[General Comment] The content of former sections, 'Section 7.3 Excavation' and 'Section 7.4 Management of Excavated Materials' have been reworked into new 'Section 8.3 Material Requiring Remediation & Management of Excavated Materials' and new 'Appendix G Materials Requiring Remediation'. New Tables 8-1 and 8-2 have been created.</p>	-	-	3/08/2023	Closed	

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44	7.4	MANAGEMENT OF EXCAVATED MATERIALS	(1) A note on Figure 3 states comparison of concentrations against HIL-D was conducted to identify potential waste disposal facilities. Provide a discussion (in this section) on how the use of HIL-D criteria will be used to assess and identify potential waste disposal sites/facilities. (2) Present the HIL-D criteria in the Appendix B Data Tables (3) Clarify why the waste acceptance criteria (provided in Appendix C) are not also referenced on Figure 3 (4) Provide comment on the party(s) responsible for managing excavated materials, applying for Soil Disposal Permits (SDPs), etc.	1) and 2) Please refer to statement in the 3rd paragraph of Section 8.3, i.e.: Materials excavated from these depths are to be recovered for beneficial re-use at the BMI Group at the Redbank Resource Recovery Facility. BMI Group has advised that this facility can receive soil materials with contaminant concentrations below NEPM HIL-D human health guidelines for beneficial re-use at this facility for future commercial/industrial use, and provided the material does not contain ACM and demolition materials such as broken brick, concrete, timber etc. Tabulated data which includes the NEPM HIL-D criteria has been included in Appendix B. 3) Figure 3 is intended to show sample locations which exceed the Human Health Investigation Levels, and was not required by recipient waste management facilities. 4) Please refer to footnote 14 which has been added to Section 8.3, and the first sentence which has been added to Section 8.3.	-	-	-	-	3/08/2023	Closed
45	7.4	MANAGEMENT OF EXCAVATED MATERIALS	[Subheading "Note on Queensland Waste Levy"] (1) Paragraph 2 states "OCs present on the Site (aldrin, dieldrin, chlordane, and heptachlor) were...". The results presented in this report indicate that concentrations of aldrin-dieldrin and chlordane exceeded HIL-A and HIL-C criteria. Whilst there were detectable heptachlor concentrations in soil samples, these concentrations did not exceed the heptachlor HIL-C or HIL-A criteria. The current sentence could be misinterpreted and infer that heptachlor also exceed criteria and is also a CoPC. Suggest the wording be revised to avoid any potential misunderstanding. (2) It is noted the SQP believes disposal of soil materials to landfill facilities will attract the Waste Levy, as no information was available (at the time of RP Supplementary Investigation, Jan 2023) to confirm OCPs were applied prior to 1 January 1992. Please confirm if records of historic site management practices have been since obtained from the Client to verify if OCPs were applied prior to 01/01/1992. (3) Provide comment on the party(s) responsible for the completing and submitting the waste levy exemption application	1) This paragraph has now been removed from the RAP. 2) and 3) A Waste Levy Exemption has been granted for the site. Please refer to Section 8.3 and Appendix E. Please refer to footnote 14 which has been added to Section 8.3 which clarifies that the Waste Levy Application was prepared by Tetra Tech Coffey.	-	-	-	-	3/08/2023	Closed
46	7.4.1	Temporary Stockpiling	(1) Clarify if temporary stockpiles will require bunding (2) Provide comment on the party(s) responsible for undertaking, supervising, directing, managing, and/or tracking the temporary stockpiling works	1) Refer to amendments to last paragraph 2) Refer to added first sentence.	[Changed to Section 8.4] (1) Closed. (2) Closed.	-	-	-	3/08/2023	Closed
47	7.4.2	Unforeseen Contamination	Clarify the party(s) that will provide the 'on-site competent person', and define what constitutes a competent person.	The term Competent Person was defined in Section 3.1 under the Principal/Remediation Contractor roles and responsibilities.	[Changed to Section 8.5] Footnote was provided.	-	-	-	3/08/2023	Closed
48	7.6	VALIDATION SAMPLING	General comments applicable to Section 7.6 and its subsections: (1) Nominate the primary and secondary NATA registered laboratories (2) Discuss laboratory QA/QC that will be applicable for this project (3) Discuss data quality indicators (DQIs) that will be applicable for this project (4) Discuss calculation of RPDs	1) Refer to added footnote 2) Refer to 8.6.4 and amendments to this section 3) Refer to Appendix D 4) Refer to added Table 8-3	[Changed to Section 8.7] (1) Closed (2) Table 8-3 provided in Section 8.7.4. Closed. (3) Noted new 'Appendix F Data Quality Objectives' has been provided (4) Closed.	-	-	-	3/08/2023	Closed
49	7.6	VALIDATION SAMPLING	(1) Provide rational to support to use of 1 sample per 100m2 (i.e. a 10m by 10m grid) over the base of an excavation as being sufficient (rather than 5 x 5 m grid) (2) It is understood that the excavations will vary between 0.25 m deep (in Areas 4A & 4B), 0.5 m deep (Areas 2A & 2B) and 0.6 m deep (Areas 1 & 3). Clarify if validation sampling of walls will be undertaken, and/or at what excavation depth would trigger the requirement to undertake excavation wall validation sampling. Will validation wall sampling be conducted along the site's northern and eastern boundaries?	1) The area of the site is approximately 0.2 ha. Under the NSW EPA Sampling Guidelines 2022 (which has a grid based sampling strategy similar to the former Australian Standard AS4482.1-2005) the number of sampling points for an area of 0.2 ha is 8 for the detection of a hotspot. The no. of sampling locations proposed for the Site is 20 based on the site area and is considered to be conservative. Notwithstanding a tighter sampling grid can be undertaken if required from the Site Auditor. 2) Validation sampling along the walls of excavations is not proposed based on the sampling density proposed at the base of excavations. Validation sampling can be undertaken along the walls of the site northern and eastern boundaries. The following has been included in the RAP. "Validation samples will be collected along the walls of the northern and eastern site boundaries from at 0.1 m depth at 10 m spacings along the wall of the excavations."	AS4482.1 is referring to investigation of a site. The NSW Sampling Guidelines Section 5.5 discusses validation in Section 5.5 with the base samples "will depend on the CSM for the site, and the rationale should be clearly documented in the RAP". A sampling grid of 5x5m grid would be more appropriate unless further rational is provided	The sampling grid of 5 x 5 m has been adopted.	-	-	12/08/2023	Closed
50	7.6.4	Field Quality Control Samples	(1) Provide sampling frequency of intra-lab and inter-lab duplicates, rinse blanks, and trip blanks (2) Provide rational as to why trip spikes are not considered necessary	Please refer to amendments to Section 8.6.4	1) Amendments made to Section 8.7.4. Closed. (2) Nomenclature for trip spikes is discussed in Section 8.7.1; however, Section 8.7.4 does not provide information as to why trip spikes are not considered necessary for the proposed site remediation and validation.	-	-	-	12/08/2023	Closed
51	7.7	REINSTATEMENT OF EXCAVATIONS / IMPORTED FILL	(1) Specify who is responsible for developing and maintaining the records of imported soil/fill material (2) Suggest Table 7-3 be retitled to "Imported Fill Material Criteria" (3) Suggest that the actual detection limits / levels of reporting (LORs) for the primary and secondary NATA labs be presented in Table 7-3	1) Please refer to the added sentence to Section 8.7 2) Heading of table has been amended 3) Tetra Tech prefers not to include detection limits noting that different laboratories have different LORs.	-	-	-	-	3/08/2023	Closed
52	7.8	INSPECTIONS	Clarify if the SQP will also: - Check that record keeping (such as material tracking, etc.) is occurring as part of their regular inspections - Check that erosion and sediment control (ESC) measures are in good working order to prevent offsite migration from the remediation areas	Please refer to amendments to Section 8.8	Amendments made to (new) Section 8.9.	-	-	-	3/08/2023	Closed

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53	9.0	HEALTH, SAFETY AND ENVIRONMENTAL CONTROLS	General comments applicable to Section 9.0 and its subsections: (1) Address environmental controls for noise, odour, and unexpected contamination	The items have been added to the second list of bullet points in Section 10.1	It is noted that a site specific safety plan will be prepared by the contractor to address environmental controls. However, a RAP is expected to provide commentary on the environmental controls to be implemented to minimise noise nuisance, odour nuisance, and unexpected contamination. Will the SSSP be reviewed by Coffey / CLA prior to site works?	The Principal Contractor prepared health and safety plan and CEMP will be reviewed by Coffey, and Coffey will ask DVA for EPS to provide these documents to the Site Auditor. Please note that unexpected (unforeseen) contamination is discussed in Section 8.5 of the RAP. Coffey has not included noise controls in the RAP noting these would be in the Construction EMP. The contaminants of concern for the Site are not odorous and odours are not expected to be generated during remediation. Please see added footnote on the bottom of the page at the start of Section 10. Accordingly discussion on the management of odours has not been included in the RAP. Dust however requires management and is discussed in Section 10.9.	Noted. It is expected the SQP will complete review of the EPS's H&S Plan and Construction EMP prior to commencement of remediation works.	Yes, the SQP will review the Construction EMP and H&S Plan prior to the commencement of remediation works.	18/08/2023	Closed
54	9.1	OCCUPATIONAL HEALTH AND SAFETY	(last paragraph) Clarify if the Principal Contractor (PC) is the same party or a different party from the Remediation Contractor. This is the first time in the report the use of the PC term has been used.	The term Principal Contractor/Remediation Contractor has now been used throughout the RAP.	[Changed to Section 10.1]	-	-	-	3/08/2023	Closed
55	9.3	RECORD KEEPING	(Par 2 bullets) Suggest the following be also recorded: - Remediation Area (e.g. Area 1, 2A, 2B, etc.) where the excavated material originated from - Estimated excavation volume - Company name of the cartage contractors, if multiple contractors are being used	These items have been added to first list of bullet points in Section 10.3.	-	-	-	-	3/08/2023	Closed
56	9.8	DESIGNATED WASH DOWN AREA	States "All vehicles are to be washed in the wheel wash bay prior to leaving the compounds". Provide details on: the capture; onsite retention; whether onsite treatment will occur; and discharge (to sewer under trade waste permit, or stormwater?) or offsite disposal of washwaters.	The following sentence has been added at the end of Section 10.8 "Wastewater from wheel washdown should be removed as a regulated waste by an appropriately licenced contractor."	[Changed to Section 10.8] For clarity, suggest that new sentence be amended to "The design of the wheel wash bay area will allow for capture of wastewater and removal by an appropriately licenced contractor for offsite management/disposal as regulated waste."	Text amended to include Site Auditor recommendation.	-	-	12/08/2023	Closed
57	9.9	DUST SUPPRESSION	Specify the party(s) who is responsible for deciding when dust suppression techniques are to be implemented and ceased.	Refer to added first sentence.	-	-	-	-	3/08/2023	Closed
58	9.10	AIR MONITORING	Specify the party(s) who are responsible for: - Implementing and undertaking air monitoring - Assessing and reporting the monitoring results - Making the decision to stop works (e.g. if results exceed the adopted air quality criteria)	Refer to amendments to Section 10.10	-	-	-	-	3/08/2023	Closed
59	9.12	SURFACE WATER DISCHARGE AND MONITORING	(1) Specify the party(s) who is responsible for managing accumulated surface water, sampling and testing, and discharge (2) Provide details on whether discharge will occur to stormwater or to sewer under trade waste permit, and if onsite treatment will occur prior to release	1) Refer to added first sentence. 2) As stated in Section 10.12 water generated during construction will be disposed off-site as a regulated waste or discharged to stormwater if compliant with the guidelines included in this Section. The Principal Contractor/Remediation Contractor does not plan to treat on-site or discharge water to sewer.	[Changed to Section 10.12] (1) Closed (2) SQPs clarifications has indicated that paragraph 2 implies "accumulated surface water can be released to stormwater provided that it has been sampled and tested, and the resultant quality meets the EMP requirements". Closed	-	-	3/08/2023	Closed	
60	10	CONTINGENCY PLAN	[Table 10-1] (1) Unexpected contamination findings: Consider adding anthropogenic materials which pose physical hazards (i.e. sharp and angular) as an 'aesthetically unacceptable material' (2) Discovery of underground tanks during excavation works: Consider adding heavy metals to the minimum suite of contaminants	1) Items added to table. 2) Item added to table.	-	-	-	-	3/08/2023	Closed
61	NA	Figure 2	[Legend] - Add the installation date/year of groundwater monitoring well location, MW01 - Clarify if the "areas sealed with concrete" was still present at the time of the RAP document (i.e. still present as of March 2023)	The installation data/year for MW01 has been included as a footnote Section 4.2, and 2021 has been added to Figure 2. The concrete was present in March 2023 however the site is currently undergoing demolition work. Please refer to added note to Figure. Note the Principal Contractor/Remediation Contractor does not plan to treat on-site or discharge water to sewer.	-	-	-	-	3/08/2023	Closed
62	NA	Figure 3	(1) [Legend] Clarify if the "areas sealed with concrete" was still present at the time of this RAP document (2) Appears to illustrate the fill depths for only: (a) the 2021 investigation sampling locations; and (b) other previous investigation locations, only if there's the presence of ash, slag, ACM &/or other anthropogenic materials (wood, brick, etc.). Please show the depths to fill (or state "no apparent fill") for the 2019 sampling locations and other locations with prefixes of HA, SA, SG, SS, and A. (3) Clarify if the ACM was observed at the surface or within fill material (and at what depth)	Please refer note added to the figure. Refer to additional comments on Item 61. Fill depths were included in Figure 3 where the depth of fill was proven. This included locations in the 2021 investigation and a limited number of locations in other previous investigations (e.g. S404/A04). Where the depth of fill has been proven it is shown on the figure. Anthropogenic materials reported in the 2021 and other previous investigations were also included in this figure. ACM was not observed in 2021, and was observed at ground surface in previous investigations. Please refer to additional comments on Item 25.	Noted.	-	-	-	3/08/2023	Closed
63	NA	Distribution table (pg 2 of 120)	-	-	Correct the distribution date from "31 July 2023" to "1 August 2023".	Amended	Given Revision E was revised again and provided to Epic on 08/08/23, please correct the three dates from "1 August 2023" to "8 August 2023".	Revision dates to be corrected in the RAP which has been re-issued.	18/08/2023	Closed
64	NA	Acronym List	-	-	Remove the acronym of POED which is NSW legislation.	Removed	-	-	12/08/2023	Closed
65	1.1	Roles and Responsibilities	-	-	[Table 1-1, Client row] Presents an empty bullet point in Column 4. Clarify if there is missing information.	Amended	-	-	12/08/2023	Closed
66	1.1	Roles and Responsibilities	-	-	[Table 1-1, "Principal Contractor / Remediation Contractor" row, sub bullet 1] States "identify soil materials containing ACM". Is this inferring that Envirospac has licenced asbestos assessor (LAA) capabilities, or that they need to be able to visually identify soil materials suspected of containing ACM?	Please refer to amendments. Tetra Tech Coffey expects that Principal Contractor will have a Competent Person who can visually identify potential ACM during excavation.	-	-	12/08/2023	Closed
67	1.1	Roles and Responsibilities	-	-	[Table 1-1, "DES-Approved Contaminated Land Auditor" row, sub bullet 1] Suggest inclusion of the following responsibility "Undertake role of DES approved contaminated land auditor (CLA) and conduct auditing services in accordance with provisions of Chapter 12, Part 3A of the Environmental Protection (EP) Act 1994"	Amended	-	-	12/08/2023	Closed
68	1.1	Roles and Responsibilities	-	-	[Table F-1 General comment] "Environmental Consultant" is used in Section 10.1 and Table F.1 (Appendix F). Is the environmental consultant equivalent to the SQP company, TTC, or another entity? If required, include the new role into Table 1-1. Alternatively, maintain consistency in the report and amend,	The term Environmental Consultant has been changed to SQP.	-	-	12/08/2023	Closed

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69	7.3	REMEDIATION CRITERIA	-	-	[Par.1] States "For OCPs the proposed remediation criteria are the standard LOR from the NATA accredited laboratory Eurofins or ALS. For Eurofins these range from 0.05 mg/kg to 0.1 mg/kg". Seeking further clarification. If the reported concentration is equal to the LOR, is this acceptable or unacceptable? Must all OCP report concentrations be less than the LOR to be considered acceptable?	Please refer to amendment in the first sentence of Section 7.3. DAWEs requirement is to remediate the site such that OCPs are not above (non-detectable) the standard limit of laboratory reporting (LOR). Please note that concentrations do not need to be less than the LOR.	-	-	12/08/2023	Closed
70	8.0	REMEDIATION PLAN	-	-	[1st sentence] States "For remediation planning the Site has been segregated into six areas which are shown in Figure 4, Figure 4A and Figure 4B, Appendix A." Figures 4a and 4b and Tables B-1 and B-2 suggest the site has been divided into ten areas. Please resolve this inconsistency.	Refer to amendment to first sentence.	-	-	12/08/2023	Closed
71	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	[General Comment to set context of Auditor's understanding] The content of former sections, 'Section 7.3 Excavation' and 'Section 7.4 Management of Excavated Materials' have been significantly reworked into new 'Section 8.3 Material requiring Remediation & Management of Excavated Materials', Tables B-1 and B-2, and new tables in 'Appendix G Materials Requiring Remediation'. It is understood the intent of new Section 8.3 and Appendix G is to present and summarise the following key steps/methodology of: - Step 1: Collating all the soil data from previous investigations to identify soil locations which have exceeded the adopted remediation criteria (Section 7.3). Presenting this information graphically on Figure 3 - Step 2: Using the exceedances to define the extents of the areas requiring remediation via excavation and off-site disposal. Presenting this information graphically on Figures 4A and 4B - Step 3: Identifying appropriate disposal facilities to accept the material. This was done through discussion with receiving disposal facilities and comparison of onsite soil concentration results to the facility's waste acceptance criteria Please clarify if the Auditor has correctly interpreted the intent of new	The Auditor has correctly interpreted Section 8.3 and Appendix G.	-	-	12/08/2023	Closed
72	NA	Appendix G: Materials Requiring Remediation	-	-	[Step 3: Identifying appropriate disposal facilities] First table (Surface to 0.25 mbs) in Appendix G states "Materials in these areas (Areas 1A, 1B, 1C, and 3C) are to be excavated to 0.25 m bps for disposal to monofill as contaminated soil potentially containing ACM". Please clarify, as it is understood that exceedances of the lined landfill criteria specified for total OCPs, lead, and/or chromium would be driver, not ACM.	Disposal to monofill is based on exceedance of lined landfill acceptance criteria for OCPs either as a Total or TCLP concentration. Table C has been added to Appendix G to clarify sample locations which exceeded lined landfill acceptance criteria.	[Table C, Appendix G] Refer to comment #89.	-	12/08/2023	Closed
73	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS and Appendix G: Materials Requiring Remediation	-	-	[Step 3: Identifying appropriate disposal facilities] First table (Surface to 0.25 mbs) in Appendix G Clarify that material from Area 3C is required to be disposed to monofill due to TCLP. Please clarify why Area 1C is not considered suitable for disposal to lined landfill. If required, amend Table B-1, Appendix G, and/or Figure 4A.	Please refer to Table C included in Appendix G. Two samples in Area 3C exceeded lined landfill acceptance criteria for Total OCP - refer to . The recipient landfill has advised that it cannot receive these materials to lined landfill.	- Revised/corrected Appendix B data tables (provided 7/8/23) now show two exceedances of dieldrin in TCLP. - [Table C, Appendix G] Refer to comment #89.	-	12/08/2023	Closed
74	NA	Appendix G: Materials Requiring Remediation	-	-	[Step 3: Identifying appropriate disposal facilities] First table (Surface to 0.25 mbs) in Appendix G (1) To easily identify which soil sampling locations have exceeded the site remediation criteria, please specify/state (in Column 2), which soil sampling locations have exceeded the adopted site remediation criteria for all ten areas (i.e. Areas 1A-1C, 2, 3A-3C, and 4A-4B) (2) With respect to Areas 1A, 1B, 1C, and 3C, also specify/state which soil sampling locations have exceeded the lined landfill (3) Provide rationale and commentary for how the polygons of monofill areas 1A, 1B, 1C, and 3C were determined. Please show (on Figure 4A) the sampling locations which were used to determine the extents of the monofill areas. In particular, how was the thin rectangular polygon of 3C determined in relation to Areas 3B and 3A.	1) Please note that at the remediation requirement of DAWEs in non-detect adding this information to Appendix G would make the table unwieldy. Sample locations with detectable concentrations are included in Appendix B. 2) This information has now been included in Table C, Appendix G. 3) This information has now been included in Table C, Appendix G.	- Noted. New Figure 4 titled Remediation Plan was provided 7/8/23. - [Table C, Appendix G] Refer to comment #89.	-	12/08/2023	Closed
75	NA	Appendix G: Materials Requiring Remediation	-	-	[First table, Area 2 row] States "OCPs in Area 2 exceed NEPM HIL-A guidelines for residential areas with accessible gardens". Please clarify which soil sampling locations within Area 2 exceeded HIL-A? As quick review of the Data Tables (Appendix B) did not identify OCP exceedances at any of the locations within Area 2 (e.g. BH10; h202; BH17; 32; SS01; BH12; 5; 4; 2; 1; SMO5/A05; 3; etc.) If required amend.	Please refer to amendments to Area 2 in Table A, Appendix G.	-	-	12/08/2023	Closed
76	NA	Appendix G: Materials Requiring Remediation	-	-	[First table, Area 3A & 3B row] States "OCPs in Area 3A/3B exceed NEPM HIL-C and NEPM HIL-A guidelines for ...". (1) Please clarify which soil sampling locations exceed HIL-A or HIL-C in Area 3B? As Figure 3 does not show any soil sampling locations in Area 3B. If required amend. (2) Provide rationale as to why material in Areas 3A must be disposed to lined landfill. Figure 3 suggests that sampling locations 7, Slag1, and Slag2 are within Area 3A. A quick review of the Data Tables (Appendix B) did not identify OCP exceedances at any of these locations. (3) Provide rationale and commentary on how the polygons for Areas 3A, 3B, and 3C were determined. Please show (on Figure 4A) the sampling locations which were used to determine the extents of Areas 3A to 3C.	1) The description to Area 3A/3B has been amended in Table A. Concentrations were below the NEPM HIL-A. Sample locations 6,7 and 4,5 are considered to be representative of these areas. 2) Please note that area 3A/3B are to be disposed to lined landfill based on the detection of OCPs and the requirement from DAWEs to remediate to non-detects for OCPs. 3) Area 3C relates to the garden bed immediately adjacent to the building (please refer to Table C in Appendix G). Areas 3A and 3B are north and south of this area. Sample locations within Area 3C have been described in Table C.	(1) Closed (2) Closed (3) [Table C in Appendix G] Refer to comment #89.	-	12/08/2023	Closed
77	NA	Appendix G: Materials Requiring Remediation	-	-	[2nd table, Area2 row] Correct typo error of "Area 2" to "Area 2"	Amended	-	-	12/08/2023	Closed

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78	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	Table 8-2] States the excavation depth for Area 2 is 0.25-0.40 mbgs. However, Table 8-1 states Area 2 will be excavated to a depth of 0.2 mbgs. Clarify the discrepancy between 0.25 and 0.2 mbgs. As required, amend Tables 8-1, 8-2, and/or Appendix B first table.	Please refer to the amendments to the table headings.	-	-	12/08/2023	Closed
79	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	Provide commentary on: (1) The proposed order/sequence to undertake excavation of the areas summarised in Tables 8-1 (material 0.0-0.25 mbgs) and 8-2 (material between 0.25-0.40 mbgs) (2) Whether validation sampling will be undertaken progressively during excavation works, or in stages.	1) Please refer to the added sub-heading/sentence prior to Section 8.4. The principal contractor proposed to excavate north to south. 2) Refer to added first sentence in Section 8.7.	-	-	12/08/2023	Closed
80	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	Table 8-1 and Par 1 under Waste Levy Exemption sub-heading] Have incorrectly used the environmental authority numbers (issued to the licenced facility) as the issued Disposal Permit (SPD) numbers. Please correct to refer to the relevant Soil Disposal Permit (SPD) numbers (i.e. SDP010002171 or SDP010002201).	Amended	-	-	12/08/2023	Closed
81	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	Table 8-1] Clarify the Auditor's interpretation and application of the following table notes is correct: (1) [Note 1] Excavation of soils underlying the concrete slab in Area 4B is not proposed. However, in the event that unsuitable fill material is encountered/present, shallow material will be excavated for offsite beneficial use at BMI Group's Redbank Resource Recovery Facility. Please clarify (in the note text) if unsuitable fill material (that is found to be present) must be removed to make it suitable for recovery and beneficial use. Ifs required, also reflect this in the tables in Appendix G. (2) [Note 2] Was the 150m3 volume soil disposal permit (SDP) estimated by 70m3 x 1.5 (50% contingency factor x 1.4 bulking factor? While the other 500m3 volume SDP was estimated by 355m3 x 1.4 bulking factor (i.e. no contingency applied)?	1) The recovery of unsuitable materials at the BMI Group Redbank Resource Recovery Facility has been added to Appendix G. 2) The volumes in the Disposal Permits are ex-situ volumes. A bulking factor of 1.4 was used to estimate ex-situ volumes. The monocoil volume includes a 50% contingency.	-	-	12/08/2023	Closed
82	NA	General comment - inconsistent data	-	-	Data appears to be inconsistent between the soil results (shown in Appendix 8 Data Tables), Figure 3, and Table 5-2, and possibly Table 5-1. For example: Data table (pg. 46of 120) shows the aldrin-dieldrin concentration (17.49mg/kg) at sample location 34-0.0mbgl exceeds HIL-C (orange shading), however, Figure 3 shows location 34 as exceeding HIL-A (green circle). Furthermore, location 34 isn't listed in Table 5-2. Other data inconsistencies appear to exist for: 36; 8H08(0.3); 8H07(0.3); 8H06(0.5); 8H16(0.1); HA03 (0.0-0.1); HA02(0.0-0.1); 8H14(0.1); 15(0.0); 11(0.0) & 11(0.45); 8(0.0); and HA07/SA12 and 13H(0.0)/HA07. Please review and (as required) amend.	Exceedences in Figure 3 have been corrected. Location 34 has been added to Table 5-2 Location 36, HA03, HA02, BH14, 11, & HA07/13P have been amended in Figure 3. The legend in Figure 3 has been amended to state that exceedence relates to OCPs. Sample locations with Chromium exceeding the NEPM has not been shown as an exceedence in Figure 3 based on the Note of Chromium included in the RAP/Supplementary Investigation.	Changes to the intent of Figure 3 to only show exceedances in relation to OCPs (not other CoPCs such as Cr etc.) is noted.	-	12/08/2023	Closed
83	NA	Appendix B: Data Tables	-	-	TCLP data, page 72 of 120] It is understood that the TCLP data for lined landfill criteria (of 0.03 mg/L) shown for dieldrin is incorrect. The correct criteria should be 0.01 mg/L. Thus, the dieldrin TCLP results reported for soil sampling locations 11-0.0 (0.02 mg/L) and 34-0.0 (0.012 mg/L) should be shown shaded as existing the lined landfill criteria. Please correct. Please also check all TCLP criteria and results data to ensure accurate information is presented.	Appendix 8 data tables have been amended.	-	-	12/08/2023	Closed
84	NA	Appendix F: Data Quality Objectives & Indicators	-	-	Table F.1, row 4. Define the boundaries of the study] Incorrect reference to Figure 3. Please amend.	Amended to refer to Lot and Plans which make up the site.	-	-	12/08/2023	Closed
85	NA	Appendix F: Data Quality Objectives & Indicators	-	-	F.2 Data Quality Indicators, Table A] (1) [Row 1] There's a reference to PFAS (2) Expand acronym "SOPs" (3) [Row 4] correct type of "Experienced Tetra Tech Coffey Environmental Scientists conducted will be the sampling."	1) Amended 2) Amended 3) Amended	-	-	12/08/2023	Closed
86	NA	Appendix F: Data Quality Objectives & Indicators	-	-	F.2 Data Quality Indicators, Table B] Expand acronym "TTMP"	TTMP has been changed to Tetra Tech Coffey	-	-	12/08/2023	Closed
87	NA	Appendix F: Data Quality Objectives & Indicators	-	-	F.2 Data Quality Indicators, Table D] Incorrect reference to Section 13.3	Amended	-	-	12/08/2023	Closed
88	NA	Appendix F: Data Quality Objectives & Indicators	-	-	F.2 Data Quality Indicators, Table E] There appears to be a description mix up between Trip Blank and Field Blank. Please address.	Amended	-	-	12/08/2023	Closed
89	NA	Appendix G: Materials Requiring Remediation	-	-			New Table C provides details on the delineation of areas requiring offsite disposal to monocoil. (1) [Area 1B row] Revised Figure 3 and new Figure 4 (both issued 7/8/23) show location S502 exceeding HIL-D for OCPs. Clarify why location S501 is not included as part of the polygon for Area 1B (which requires disposal to monocoil), and doesn't appear to influence the shape of Area 1B? (2) [Area 3C row] States "Area 3C has been assumed to include materials in the garden bed from sample location 3 to approximately 2.5m west of HA02". Please clarify that the eastern and western boundaries of Area 3C were delineated by the physical extents of the garden bed (that would have had pesticides applied), which can be described as location 3' and 'approximately 2.5m to the west of HA02', respectively. (3) [Area 3C row] Locations 6P and 7P are not shown on revised Figure 3 and new Figure 4. Should the text be referring to locations "6P" and "7P" (4) [Area 3C row] Please clarify if locations Slag1 and Slag2 are also part of Area 3C.	1) Locations at the southern boundary of this area including S502, HA11, SA09/09, BH13, HA11, 16 do not exceed lined landfill acceptance criteria. S501 (and the adjacent BH12) also do not exceed the lined landfill criteria. S501/S502 with the symbology of exceeding HIL-D were added to Figure 3 based on asbestos fines and have now been removed too keep the figure consistent with the legend which relates to OCP exceedences only. 2) The following has been included in Table C to define the location of Area 3C on the site. "Dimensions of Area 3C: Within the garden bed the eastern most extent of Area 3C starts at 15 m from the eastern property boundary. The length of this area is 21 m and its width is the width of the garden bed (see photograph below table)." 3) 6P and 7P are resamples of HA02 and HA03. This is now included in Figure 3. Note the Figure 4 was included as an error in the attachments provided on the 7/8 and has now been removed. 4) Slag 1 and Slag 2 are part of Area 3C.	18/08/2023	Closed

Item	Section in Report	Report Section Name	Review #1 on RAP Rev D Epic Comments 30/05/2023	Review #1 SQP Response 01/08/2023	Review #2 on Rev E (dated 01/08/23) Epic Comments 03/08/2023	Review #2 SQP Response 07/08/2023	Review #3 on Rev E dated 07/08/23 Epic Comments 13/08/2023	Review #3 SQP Response 14/08/2023	Date Action Closed	Comment Status (Open / Closed) ¹²
90	NA	Appendix G: Materials Requiring Remediation					<p>The depth interval of 0.2 or 0.25 (Table B) has not been justified.</p> <p>Table B notes: "While the majority of OCP contamination is expected to be within the first 0.2 m bgs of soil, based on the existing data OCP contamination extends further into deeper soil deposits (0.4 to 0.5 m bgs)." Have the borelogs been considered?</p> <p>It is noted that ACM is considered to only impact shallow fill material however, this is based on borehole / hand augers. Should additional ACM be encountered this shall need to be managed appropriately and depth intervals updated.</p>	<p>Excavation depths have been changed to 0.25 m across all areas.</p> <p>Please refer to Section 9.1 in the report on the TTMP (2022) 114 Newdegate Street Greenhouses Remediation Planning, Supplementary Investigation which discusses the vertical distribution of OCPs in soils. Two sample locations 11 and 10 reported elevated concentrations at approximately 0.45 m and were considered to be more likely false positives based on the lines of evidence presented in the report.</p> <p>These samples will not change the management of the material in these areas. The sample depths 11 and 10 are in areas where the planned excavation depths are to 0.4 m. The excavations will be subject to validation sampling. If elevated concentrations of OCPs are found at the planned excavation depths which exceed the remediation criteria than further excavation may be required in consultation with DVA and the Site Auditor.</p> <p>Comment noted. ACM at depth will be managed as an unexpected find.</p>	18/08/2023	Closed
90	NA	New Figure 4	-	-	-	-	<p>It is noted that a new figure, Figure 4, was provided in a 6-page file named <Appendix A Figure 3.pdf>.</p> <p>Please clarify why Area 3C is not shown on this new Figure 4.</p>	Figure 4 was provided as an error (figure has been superseded) and has been removed.	18/08/2023	Closed
91	NA	Revised Figure 4A	-	-	-	-	<p>Two versions of Figure 4 were emailed on 07/08/23 to the Auditor in the following files:</p> <ul style="list-style-type: none"> - File <Appendix A Figure 4A Amendment.pdf>. This is a 1-page pdf; and - File <Appendix A Figure 3.pdf>. This 6-page file has copies of Figures 1, 2, 3, 4, 4A, and 4B. <p>The two versions of Figure 4 show different boundary shapes of Area 1B - please resolve and reissue Figure 4.</p>	Please note comment above.	18/08/2023	Closed
92	NA	New Figure 4 & revised Figure 4A (both issued 7/8/23) and Table C in Appendix H	-	-	-	-	<p>Please resolve the following inconsistencies between New Figure 4 (in file Appendix A Figure 3.pdf) & revised Figure 4A (in file Appendix A Figure 4A Amendment.pdf):</p> <ul style="list-style-type: none"> - Square area around location 34 (along the site's northern boundary) is labelled Area 2C on Figure 4, and labelled 1C on Figure 4A. - Area 1A shown on Figure 4A is broken up into two areas, Areas 1A and 1C on Figure 4. - The boundaries and shape of Area 1B are different on Figures 4 and 4A <p>Please resolve these inconsistencies and reissue the amended figure(s). Ensure the areas discussed in Table C of Appendix G relate to the corrected figures. For example, currently, Table C doesn't present information/details for Area 2C (which is shown on Figure 4). As required, reissue Appendix G.</p>	Please note comment above. Figure 4 was provided in error (figure has been superseded) and has not been included in the revised RAP. Figure 4A (provided as single pdf page) is correct and aligns with Table C in Appendix C. Figure 4A has been included in the RAP.	18/08/2023	Closed
93	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	-	-	<p>Table 8-1 states onsite material will be disposed at: Veolia Ti Tree bioENERGY Facility; BMI Stapylton Resource Recovery Facility; and BMI Redbank Resource Recovery Facility. Disposal at Ti Tree and Stapylton will be done under soil disposal permits.</p> <p>Provide details of how waste volumes will be accepted by the Redbank Resource Recovery Facility, and what are considered to be the CoPC with respect to the contaminants of interest and the criteria for this facility.</p>	<p>Information on the Redbank Resource Recovery Facility was included in the Supplementary Report and RAP. This facility can receive soil materials with CoPC below NEPM HIL-D and provided the materials do not contain asbestos, putrescible materials and demolition materials. The results of the investigation have been provided to this facility, and the facility has confirmed that materials identified for re-use at this facility can be accepted. Volumes are included in Section 8.3 of the RAP. Please note the a Disposal Permit is not considered to be required for the movement of material to this facility on the basis that OCP concentrations in soil materials deeper than 0.2 m are below HIL-A. The UCL95 (calculated using ProUCL) for Aldrin+Dieldrin for samples deeper than 0.2 m is 2.3 mg/kg with the results from 10 and 11 included. If the data for 10 and 11 is excluded the UCL95 is 0.645 mg/kg.</p> <p>The SQP will provide further information on the facility to the Site Auditor in an email including the UCL outputs.</p>	18/08/2023	Closed

Audit Details

Project Reference: BC200195.01
Site Address: 51-55 Headfort Streets, Greenslopes 4120
Lot on Plan: Lots 123, 124 and 125 on RP46047
Reviewed Document: Department of Veteran Affairs. 114 Newdegate Street Greenslopes. Draft *Remediation Action Plan (RAP)* . Tetra Tech Coffey Pty Ltd. DRAFT Rev E. Dated 1 August 2023.
Document received: 1/08/2023


Table 1. Interim Auditor Comments IAC003 on the Draft (Rev E) Remediation Action Plan (RAP). Received 1 August 2023.

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1	NA	General	Epic have been commissioned by the Department of Veteran Affairs (DVA) to provide contaminated land auditing (CLA) services for the Environmental Site Investigation works at 114 Newdegate Street in Greenslopes.	Comment noted	-	-	3/08/2023	-
2	NA	General	It should be noted that the these CLA services for this site were undertaken in general accordance with the provisions of the <i>Environmental Protection Act 1994</i> (EP Act). Following the remediation of the property, it is understood a Contaminated Land Investigation Document (CLID) will be developed and a review by a certified Contaminated Land Auditor/Auditor will be completed in accordance with the provisions of Chapter 12 of the EP Act.	Comment noted	-	-	3/08/2023	-
3	NA	General	The comments and advice are provided to assist the Suitably Qualified Person (SQP) in progressing with finalising this Draft Remediation Action Plan (RAP). The information should not be considered pre-emptive of the final report submission for the site, but rather represents the Auditor's opinions based on the current review of available site information. The comments are not designed to be an endorsement or certification of meeting the requirements of the EP Act, but rather are considered as interim advice.	Comment noted	-	-	3/08/2023	-
4	NA	General	It is noted the document's Quality Information provided on page 2 of 76 indicates that previously issued draft Versions A (10/04/22), B (11/05/22), and C (12/05/22) of the <i>Remediation Action Plan (RAP)</i> (Ref.no. 754-BNEEN282781) were not issued to the Auditor for review and comment. Thus, Revision D (27/03/23) is the first time the Auditor has been presented with this information.	Comment noted	-	-	3/08/2023	-
5	NA	General	<p>The Auditor was previously issued with Draft Revision C of the "<i>Remediation Planning (RP)</i>, <i>Supplementary Investigation</i>", and issued audit comments to the SQP on 15/02/2022.</p> <p>This RAP document appears to contain similar information which was presented in Revision C of the RP Supplementary Investigation document. Please address the Auditor's comments issued in interim auditor's comments log, IAC002 RP Rev C, dated 15/02/2022, and ensure these updates are reflected in this RAP document. In particular, please address previously issued IAC002 comment nos. 16, 17, 18, 19, and 20 which relate to potential data inconsistencies.</p>	<p>Response to comments on the RP (15/2/23) were provided to DVA for issue to the Site Auditor on the 12/5/22, and then sent directly from Tetra Tech Coffey to the Site Auditor on the 24/4/23.</p> <p>Responses previously prepared by Tetra Tech Coffey have been incorporated into this response register and revised RAP as appropriate.</p>	-	-	3/08/2023	Closed
6	NA	General	Please use abbreviations in full the first time in document. For example, the following acronyms have been used: TTC in Section 1.0; and ILs in Section 5.2.	The TTC abbreviation has been removed. The acronymn for ILs has been added to Section 5.2	-	-	3/08/2023	Closed

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7	NA	General	The document refers to an EMP throughout the RAP. Section 1.0 states "A Draft Construction EMP for these activities is provided in <i>Enviropacific Services (2022) Construction Environmental Management Plan, Department of Veterans' Affairs (DVA) – ACM Removal, Demolition, Site Stripping and Soil Remediation Works; Newdegate and Headfort Streets, Greenslopes, QLD, 4120</i> ". Please confirm that the EMP discussed in the RAP is referring to the "(Enviropacific Services 2022) Draft Construction EMP".	Confirming the EMP referred to in the RAP is the EPS Draft Construction EMP. Please refer to the added footnote in Section 1.	-	-	3/08/2023	Closed
8	1.0	INTRODUCTION	[Paragraph 4] Provide some context as to why DAWE, a federal department, is involved in this Queensland based project. For example, the site is owned by the Department of Veteran Affairs (DVA), a federal department.	The following sentences have been added to Paragraph 4 "The Site is owned by the DVA and is therefore located on Commonwealth land. The Commonwealth Department of Agriculture, Water and the Environment (DAWE) is advising DVA, at the Commonwealth level, on their environmental requirements and obligations."	-	-	3/08/2023	Closed
9	1.0	INTRODUCTION	[Paragraph 7] States this RAP should be read in conjunction with the " <i>Remediation Planning (RP), Supplementary Investigation (TTC Supplementary Investigation)</i> ". The Auditor was previously provided with the RP document (Draft, Revision C, dated 25/01/2022). On 15/02/22, the Auditor provided the SQP with comments on RP (Rev C). Please clarify whether the Auditor's comments on the RP (Draft Rev C) will be addressed and an updated RP will be provided to the Auditor for further review and comment.	Please refer to response to Item 5.	-	-	3/08/2023	Closed
10	1.0	INTRODUCTION	[Par.8] Refers to the " <i>Enviropacific Services (2022) Construction Environmental Management Plan (EMP), Department of Veterans' Affairs (DVA) – ACM Removal, Demolition, Site Stripping and Soil Remediation Works; Newdegate and Headfort Streets, Greenslopes, QLD, 4120</i> ". This document has not been reviewed by the Auditor, and the Auditor has not provided comment with respect to the Draft Construction EMP. Provide details on whether the Draft Construction EMP has been provided to DAWE for approval, and if the document has been approved.	DVA to confirm in the Construction EMP has been submitted to DAWEs and advise the Site Auditor. DVA to provide a copy of the Construction EMP to the Site Auditor.	Outstanding			Open
11	1.1.1	Remediation Contractor	Provide the name/details of the Remediation Contractor and their proposed representative. If no Remediation Contractor has been nominated, please state this in Section 1.1.1.	Please refer to changes to Section 1.1	-	-	3/08/2023	Closed
12	1.1.2	Suitably Qualified Person (SQP)	Similarly to above, state the name/details of the SQP and Consultant.	Please refer to changes to Section 1.1	-	-	3/08/2023	Closed
13	1.1.3	Licensed Asbestos Assessor	Similarly to above, state the name/details of the Consultant and the nominated LAA(s).	Please refer to changes to Section 1.1	-	-	3/08/2023	Closed
14	1.1	Roles & Responsibilities	For completeness, suggest that the other key stakeholders (and their representatives) be identified, and their responsibilities/project scope of works be discussed. Other stakeholders may include the Client, Principal Contractor, CLA/Auditor, cartage contractor, and licenced disposal facility. This info could be tabulated and include the information currently presented in Sections 1.1.1 to 1.1.3.	Please refer to changes to Section 1.1	-	-	3/08/2023	Closed

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15	2.0	OBJECTIVES OF RAP	Paragraph 5 of Section 1.0 Introduction states "In 2023 DAWF confirmed the additional requirement to remove the Site from the EMR as practicable". Update Section 2.0 to reflect that the following are also objectives: - Removal of Site from the Environmental Management Register (EMR). This means the Site will be suitable for any/all landuses, including the intended landuse of 'park and community use' - Site Management Plan (SMP) will not be required to be developed, if the Site is removed from the EMR	Please refer to changes to the objectives in Section 2.	-	-	3/08/2023	Closed
16	3.0	TECHNICAL AND REGULATORY FRAMEWORK	Provide a discussion on the regulatory framework of the proposed remediation works and RAP document in relation to assessing the site with respect to the Commonwealth EPBC Act and Queensland regulatory triggers.	Please refer to additional paragraphs added to the end of Section 3.	-	-	3/08/2023	Closed
17	4.1	SITE IDENTIFICATION	Please update Table 4-1 to include: - Site address: Include postcode - Lot/plan number: Provide land areas of each lot - Landuse: State former, and future landuse - Zoning: State future land zoning. Will the zoning need to alter to allow park/community use? - EMR/CLR status: State that each of the 3 lots are listed on the EMR and not listed on the CLR. State the EMR site/lot ID numbers, and why each lot is listed on the EMR - Geographic coordinates or centroid (GDA2020)	Please refer to changes to Table 4.1	-	-	3/08/2023	Closed
18	4.2	ENVIRONMENTAL SETTING	[Topography & Drainage] - Comment on the topography of the Site, and if there are any falls across the Site - State the distance (i.e. metres) of the Site to Norman Creek (drain)	Falls were already stated in the Topography & Drainage item. Distance to Norman Creek Drain has been added to Table 4.2	-	-	3/08/2023	Closed
19	4.2	ENVIRONMENTAL SETTING	[Hydrogeology] - Provide details on aquifer types (unconfined, semi-confined, confined) and aquitards/aquicludes present - Provide details on current usage and likely resource potential	Relevant information on hydrogeology of the Site was included in Table 4.2. Further information on type of aquifer (unconfined, semi-confined, confined) and presence of aquitards/aquicludes is to be provided in the CLID at the completion of validation sampling. The following sentence has been added to this item in Table 4.2. <i>Extraction of use of groundwater in the vicinity of the Site is considered unlikely based on the supply of reticulated potable water in Brisbane.</i>	(1) Closed on the understanding that further hydrogeology information will be included in the future CLID (2) Closed	-	3/08/2023	Closed - will be addressed in CLID
20	4.2	ENVIRONMENTAL SETTING	Provide details of site-specific soil and geological records	Added in Table 4-2 in "Local Geology"	-	-	3/08/2023	Closed
21	5.0	PREVIOUS INVESTIGATIONS	The last paragraphs states "The following is a summary of the findings of the (RP) TTC Supplementary Investigation". Confirm that sub-sections 5.1 to 5.3 also summarise the findings of the Phase 1, Phase 2, and the 2019 delineation of organochlorine soil impacts. Update the sentence, if required.	Confirming that the Supplementary Investigation incorporated data and findings from these previous investigations. Data from previous investigations had also been incorporated into the RAP. Please refer to the 2nd last paragraph of Section 5 which states: <i>Previous investigation sampling locations are shown in Appendix A, and the analytical data summarised in Appendix B.</i> The following sentence has been added to Section 5: <i>The report on the Supplementary Investigation included data from the previous investigations.</i>	-	-	3/08/2023	Closed
22	5.2	CONTAMINATION	[Table 5-1] Include concentration units in the table heading row	Concentration units were stated in the first column of the table heading and have now been included in each column.	-	-	3/08/2023	Closed

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23	5.2	CONTAMINATION	[Table 5-1] Given the paragraphs below Table 5-1 discuss exceedances of the adopted site assessment criteria (SAC) of NEPM HIL-A and HIL-C, suggest that Table 5-1 be amended to include: - New columns to present the adopted HIL-A and HIL-C criteria - Colour coding/shading of any maximum concentrations that exceed the adopted SAC. So it can tie in with Figure 3 - A summary of the information presented in Tables 8-1 and 8-2 (in the RP Supplementary Investigation) including the number of samples that exceed the HIL-A and HIL-F criteria for aldrin+dieldrin, chlordane and/or Cr(III+VI)	Please refer to the amendments to Table 5.1	[revised Table 5.1] Columns 7 & 8 present the number of soil samples exceeding HIL-A and HIL-B respectively. Clarify that the 'number of soil samples' relates to all samples and is not in relation to 'surface to 0.2 mbgs' or 'deeper than 0.2 mbgs' profiles.			Open: resolve prior to remediation
24	5.2	CONTAMINATION	[Discussion of OCP results] (1) Summarise the following information previously presented in Tables 8-1 and 8-2 of the RP Supplementary Investigation document by specifying: - The sample ID nos. of upper soil materials (0.0-0.2 mbgs) that exceeded the HIL-A and HIL-C criteria for both aldrin+dieldrin and chlordane. - The sample ID nos. of the deeper soil samples (>0.2 mbgs) that exceeded the OCP aldrin+dieldrin HIL-A and HIL-C criteria (2) Make a comment that concentrations exceeding HIL-C also exceeded the adopted HIL-A criteria (3) It is noted that Figure 3 illustrates four sampling locations that exceed the NEPM HIL-D. Please include in Section 5.2, a discussion of these HIL-D exceedances (including soil sample ID nos.), and how it relates to the project. It is noted that a note on Figure 3 states comparison of concentrations against HIL-D was conducted to identify potential waste disposal facilities.	Refer to added Table 5-2 Refer to added sentence after Table 5-2 Refer to added last paragraph in Section 5.2	There appears to be discrepancies between the data presented in Tables 5.1 and 5.2. Please check all the listed soil sample IDs (in Table 5.2) and total numbers (in Table 5.1) to ensure the data correlates with each other. For example: (1) Table 5.1 states 18 soils samples exceeded the Aldrin+Dieldrin HIL-A criteria. However, Table 5.2 suggests that there were 15 soil samples (in upper soils 0.0-0.2 mbgs) and 2 soil samples in (>0.2 mbgs). Please address the inconsistency. (2) Seven soil samples exceeded HIL-A (Table 5.1), but there are only 3 soil sample ID nos. listed in Table 5.2. Please address the inconsistency. (3) The maximum zinc concentration in Table 5.1 suggests the some soil samples exceeded the zinc EIL-res/open space. However, Column 7 states three samples exceeded the zinc HIL-A. Please amend.			Open: resolve prior to remediation
25	5.2	CONTAMINATION	[Discussion of ACM & asbestos fines, pg 8 (pg13/76)] (1) Expand "ILs". Please use abbreviations in full the first time in document (2) Specify what were the adopted investigation levels (ILs) for asbestos fines (3) [8 bullet points] (a) Both A01 and A10 are listed twice in the bullet points (b) Figure 3 shows ACM was present at location no. 15, not SA10/A10. Please clarify, and (as required) amend report text or Figure 3 (c) Specify which samples had 'ACM fragments' present, and which samples reported asbestos fines (in soil) exceeding the ILs (4) [Paragraph 2] Please clarify if this sentence should read "Fragments of ACM were not observed in the 2021 investigation and asbestos fines were was not reported in soil samples analysed in 2021." (5) [Par.3] Please clarify if this sentence should read "Soil materials which in the upper ground deposits (<0.25 mbgs)	1) Amended 2) Refer to added amendments. 3) Duplicate references to A01 and A10 have been removed. Figure 3 is correct. Please note that locations SA10/A10 and 15 represent the same sampling locations (the notation of ACM next to these locations is appropriate). For remediation planning purposes Tetra Tech Coffey considers it necessary to provide further detail on specific samples with samples exceeding ILs based on the following assumption which has been made in the RAP and for remediation planning purposes and stated in Section 5.2. <i>"As a precautionary measure the upper soil deposits should be considered to contain ACM and there would also be the potential for fragments of ACM to be displaced into the upper soil deposits during demolition of the existing buildings."</i> If the the Site Auditor requires this Figure to be generated Tetra Tech Coffey suggested it be included in the CLID. 4) The paragraph is correct. Only an asbestos presence/absence analysis was undertaken in 2021 and ACM fragments were not observed.	(1) Closed (2) Closed (3a) Closed (3b) Noted that locations SA10/A10 and 15 represent the same sampling locations. Closed. (4) Closed (5) Closed	-	3/08/2023	Closed

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26	5.2	CONTAMINATION	[Discussion of metal concentrations, pg 8 (pg13/76)] Summarise the following information previously presented in Tables 8-1 and 8-2 of the RP Supplementary Investigation by specifying: - One surface soil sample (0.0-0.2 mbgs) exceeded the chromium (III + VI) HIL-A criteria. The Auditor notes that Table 5-1 indicates the sample's chromium concentration was 100 mg/kg which is equal to the HIL-A criteria. Amend information presented, if required. - Seven samples of deeper soil material (>0.2 mbgs) exceeded the chromium (III + VI) HIL-A criteria This is relevant information, given a remediation objective is removal of the Site from the EMR.	Please refer to the added text at the end of Section 5.2 in regard to Chromium which has been taken directly from the report on the Supplementary Investigation. Chromium is present in soil as Chromium III and is not considered to be a driver for the remediation of the Site.	-	-	3/08/2023	Closed
27	5.2	CONTAMINATION	[Discussion of metal concentrations, pg 8 (pg13/76)] Please confirm Cr speciation for Cr(III) and Cr(VI) was undertaken. If not, it is recommended this occur on the highest concentration sample/s.	Refer to response to Item 27	SQP's response to comment #26 and the newly included text at the end of Section 5.2 is noted.	-	3/08/2023	Closed
28	6.0	CONCEPTUAL SITE MODEL	Primary and secondary sources of contamination are identified/listed. Please specify the contaminants of potential concern (CoPC) associated with these identified contamination sources.	Please refer to the following sentence added to the 2nd paragraph of Section 6. <i>Contaminant of concern associated with the application of termiticides on the Site include OCPs (mainly aldrin and dieldrin), and asbestos. Other OCPs present in soil included DDT+DDE+DDD, endosulfan I, endrin, heptachlor, endrin aldehyde and endrin ketone.</i>	-	-	3/08/2023	Closed
29	6.0	CONCEPTUAL SITE MODEL	It is suggested to present the conceptual site model (CSM) in a table with the headings of: source; CoPC; potential pathway(s); potential receptor; likelihood of a complete source-pathway-receptor relationship (e.g. likely, possible, unlikely, unknown); and provide rationale and comment on the pathway and receptor linkages. This proposed CSM table would clearly illustrate that all sources and receptors were identified, and which source-pathway-receptors are considered likely, possible or unknown for the site, and eliminate those which are unlikely (e.g. RAP indicates groundwater was considered low and unlikely).	Comment noted. A simplified CSM was presented in the RAP. A tabular style CSM will be included in the CLID/Validation Report.	Closed on the basis that a more comprehensive tabular style CSM will be presented in the future CLID/Validation Report.	-	3/08/2023	Closed - will be addressed in CLID
30	6.1	REMEDIATION GOALS	Should this be a Heading 1, i.e. Section 7.0 Remediation Goals?	Section heading has been amended.	-	-	3/08/2023	Closed
31	6.2	REMEDIATION STRATEGY	Should this be Section 6.1?	Section heading has been amended.	-	-	3/08/2023	Closed

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32	6.2	REMEDIATION STRATEGY	<p>(1) Information in this section appears to focus on and discuss the 'adopted/selected remedial approach' for this project. Please include and discuss the assessment of remedial options. This discussion will then provide rationale for why the selected remedial approach was adopted.</p> <p>(2) Please include commentary on the implications of the Controlled Action (under the Commonwealth EPBC Act) on the proposed Remediation Strategy</p> <p>(3) Please include a discussion on constraints such as heritage features (brick façade and fence) and how this may affect, or won't affect, the proposed Remediation Strategy</p>	<p>1) The following paragraph has been added to Section 6.2 (now 7.1)</p> <p><i>Soils removed from the Site are to be disposed to a licenced landfill or beneficially reused at a resource recovery facility (refer to Section 8). Other potential remediation options such as containment (e.g. capping) were not considered based on the requirement from DAWÉ to remove the contaminated soil from the Site and the property from the EMR. Alternatives to disposal to a licenced landfill such as thermal destruction are considered cost prohibitive and were not considered further.</i></p> <p>The implications of the Controlled Action on the Remediation Strategy were discussed in the first two paragraphs of Section 6.2 (now 7.1).</p> <p>Constraints around heritage features have been removed from the RAP with the exception of the brick fence. The brick facade is being dismantled and removed from the Site. Soil materials beneath the brick fence to be removed by hand (refer to Ammendments to Area 2B in Table 7-1).</p>	<p>[Now Section 7.1]</p> <p>(1) Closed</p> <p>(2) Closed</p> <p>(3) Table 7.1 does not exist. Tables 8.1 and 8.2 (in Section 8.3: MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS) do not present information for Area 2B. Please clarify where this information is presented/discussed in this report.</p>			Open: resolve prior to remediation
33	6.3	REMEDIATION OBJECTIVE	Should this be Section 6.2?	Section heading has been amended.	-	-	3/08/2023	Closed
34	6.3	REMEDIATION OBJECTIVE	Make comments/statements on the alternative remediation objective of 'remediate the site to make it suitable for parkland use (i.e. meet adopted SAC of NEPM HIL-C (park/community landuse setting))', in the event OCP contaminated soil can not be removed to extent to allow removal of the Site from the EMR. This may mean the Site remains on the EMR with a SMP to ensure it is suitable for parkland use.	Refer to added paragraph at the end of 6.3 (now 7.3)	Additional paragraph is noted. Last sentence of additional paragraph states "This may mean the Site remains on the EMR with a SMP to ensure it is suitable for parkland use. Note on ecological receptors ". Amend to re-create subheading of "Note on ecological receptors".			Open
35	6.4	REMEDIATION CRITERIA	Make a comment that HIL-C criteria will be adopted in the event of the 'alternative' remediation objective	Refer to response to Item 34	-	-	3/08/2023	Closed
36	7.1	SITE ESTABLISHMENT	Provide comment on the responsible party(s)	Refer to added first sentence.	-	-	3/08/2023	Closed
37	7.2	VEGETATION CLEARING	Provide comment on the responsible party(s)	Refer to added first sentence.	-	-	3/08/2023	Closed
38	7.3	EXCAVATION	Provide comment on the party(s) responsible for undertaking, supervising and/or directing the excavation works.	Refer to added first sentence.	[Changed to Section 8.3] Correct following typo error in first sentence "The Principal Contractor/Remediation Contractor will be responsible for undertaken undertaking, supervising and/or directing the excavation works."			Open
39	7.3	EXCAVATION	[Table 7-1, rows "Area 1" and "Area 3"] To provide clarity, suggest rewording to "OCPs in Area xx exceed both NEPM HIL-A and HIL-C guidelines for residential areas with accessible gardens, and parks/open space areas, respectively."	Refer to amendments.	[former Table 7-1 has been reworked into Appendix G: Materials Requiring Remediation	-	3/08/2023	Closed
40	7.3	EXCAVATION	[Table 7-1, rows for Areas 2A, 2B, 3, 4A & 4B] These areas refer to 'unsuitable fill material'. Specify the reasons why this material is considered unsuitable.	The term Unsuitable Fill Materials is defined beneath Table 8-1. The sentence has been modified to make it clear that the term applies throughout the RAP.	-	-	3/08/2023	Closed
41	7.3	EXCAVATION	[Table 7-1, row "Area 4A"] (1) To provide clarity, as to why there is a requirement to excavate/remediate, suggest rewording to "Detectable OCPs concentrations were observed in the perimeter of Area 4A (at sampling locations BH01, BH03, BH12). These detectable OCP concentrations are below the NEPM HIL-A guidelines for residential areas with accessible gardens; however, they exceed the adopted remediation criteria of standard LOR". (2) For accuracy, suggest rewording to "..... around the perimeter of this area which adjoin Area 1, Area 2A and Area 2B"	Refer to amendments. Tetra Tech prefers the current wording as it is applicable to the results for this area.	-	-	3/08/2023	Closed

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42	7.3	EXCAVATION	[Table 7-1, row "Area 4B"] For accuracy, suggest rewording to "..... perimeter of Area 4B which adjoin s Area 1 , Area 2A and Area 2B and disposal to"	Tetra Tech prefers the current wording as it is applicable to the results for this area.	-	-	3/08/2023	Closed
43	7.3	EXCAVATION	Table 7-1 and Section 7.4 indicate that Areas 1, 2A, 2B, and 3 will be excavated in two layers - generally surface layer 0-0.25 mbgs and a deeper layer either 0.25-0.5 mbgs or 0.25-0.6 mbgs. The 2 layers are described as Type 1 and Type 2 Materials. Type 1 Materials will be disposed to licenced landfill facility under soil disposal permit (SDP). Whilst Type 2 (without ACM) will be either disposed to licenced landfill facility under SDP, or reused at a licenced resource recovery facility. Thus, please amend the volumes in Table 7-2 to reflect this by including columns for: - Surface soil layer (Type 1 Materials) - assumed excavation depth - Surface soil layer (Type 1 Materials) - assumed excavation volume - Underlying deeper soil layer (Type 2 Materials) - assumed excavation depth - Underlying deeper soil layer (Type 2 Materials) - assumed excavation volume	Please refer to the revisions in Section 8.3 MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS. Reference to Type 1/Type 2 materials has now been removed to simplify the document. Table 8-1 summarises the materials to be removed including excavation depth/volume from ground surface to 0.25 m bgs. Table 8-2 summarises the materials to be removed including excavation depth/volume from ground surface to 0.25 to 0.4 m bgs.	[General Comment] The content of former sections, 'Section 7.3 Excavation' and 'Section 7.4 Management of Excavated Materials' have been reworked into new 'Section 8.3 Material Requiring Remediation & Management of Excavated Materials' and new 'Appendix G Materials Requiring Remediation'. New Tables 8-1 and 8-2 have been created.	-	3/08/2023	Closed
44	7.4	MANAGEMENT OF EXCAVATED MATERIALS	(1) A note on Figure 3 states comparison of concentrations against HIL-D was conducted to identify potential waste disposal facilities. Provide a discussion (in this section) on how the use of HIL-D criteria will be used to assess and identify potential waste disposal sites/facilities. (2) Present the HIL-D criteria in the Appendix B Data Tables (3) Clarify why the waste acceptance criteria (provided in Appendix C) are not also referenced on Figure 3 (4) Provide comment on the party(s) responsible for managing excavated materials, applying for Soil Disposal Permits (SDPs), etc.	1) and 2) Please refer to statement in the 3rd paragraph of Section 8.3, i.e.: Materials excavated from these depths are to be recovered for beneficial re-use at the BMI Group at the Redbank Resource Recovery Facility. BMI Group has advised that this facility can receive soil materials with contaminant concentrations below NEPM HIL-D human health guidelines for beneficial re-use at this facility for future commercial/industrial use, and provided the material does not contain ACM and demolition materials such as broken brick, concrete, timber etc. Tabulated data which includes the NEPM HIL-D criteria has been included in Appendix B. 3) Figure 3 is intended to show sample locations which exceed the Human Health Investigation Levels, and was not required by recipient waste management facilities. 4) Please refer to footnote 14 which has been added to Section 8.3, and the first sentence which has been added to Section 8.3.	-	-	3/08/2023	Closed

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45	7.4	MANAGEMENT OF EXCAVATED MATERIALS	<p>[Subheading "Note on Queensland Waste Levy"]</p> <p>(1) Paragraph 2 states "OCs present on the Site (aldrin, dieldrin, chlordane, and heptachlor) were....". The results presented in this report indicate that concentrations of aldrin+dieldrin and chlordane exceeded HIL-A and HIL-C criteria. Whilst there were detectable heptachlor concentrations in soil samples, these concentrations did not exceed the heptachlor HIL-C or HIL-A criteria. The current sentence could be misconstrued and infer that heptachlor also exceed criteria and is also a CoPC. Suggest the wording be revised to avoid any potential misunderstanding.</p> <p>(2) It is noted the SQP believes disposal of soil materials to landfill facilities will attract the Waste Levy, as no information was available (at the time of RP Supplementary Investigation, Jan 2021) to confirm OCPs were applied prior to 1 January 1992. Please confirm if records of historic site management practices have been since obtained from the Client to verify it OCPs were applied prior to 01/01/1992.</p> <p>(3) Provide comment on the party(s) responsible for the completing and submitting the waste levy exemption application</p>	<p>1) This paragraph has now been removed from the RAP.</p> <p>2) and 3) A Waste Levy Exemption has been granted for the site. Please refer to Section 8.3 and Appendix E.</p> <p>Please refer to footnote 14 which has been added to Section 8.3 which clarifies that the Waste Levy Application was prepared by Tetra Tech Coffey.</p>	-	-	3/08/2023	Closed
46	7.4.1	Temporary Stockpiling	<p>(1) Clarify if temporary stockpiles will require bunding</p> <p>(2) Provide comment on the party(s) responsible for undertaking, supervising, directing, managing, and/or tracking the temporary stockpiling works</p>	<p>1) Refer to amendments to last paragraph</p> <p>2) Refer to added first sentence.</p>	<p>[Changed to Section 8.4]</p> <p>(1) Closed.</p> <p>(2) Closed.</p>	-	3/08/2023	Closed
47	7.4.2	Unforeseen Contamination	Clarify the party(s) that will provide the 'onsite competent person', and define what constitutes a competent person.	The term Competent Person was defined in Section 1.1 under the Principal/Remediation Contractor roles and responsibilities.	<p>[Changed to Section 8.5]</p> <p>Footnote was provided.</p>	-	3/08/2023	Closed
48	7.6	VALIDATION SAMPLING	<p>General comments applicable to Section 7.6 and its subsections:</p> <p>(1) Nominate the primary and secondary NATA registered laboratories</p> <p>(2) Discuss laboratory QA/QC that will be applicable for this project</p> <p>(3) Discuss data quality indicators (DQIs) that will be applicable for this project</p> <p>(4) Discuss calculation of RPDs</p>	<p>1) Refer to added footnote</p> <p>2) Refer to 8.6.4 and amendments to this section</p> <p>3) Refer to Appendix D</p> <p>4) Refer to added Table 8-3</p>	<p>[Changed to Section 8.7]</p> <p>(1) Closed</p> <p>(2) Table 8-3 provided in Section 8.7.4. Closed.</p> <p>(3) Noted new 'Appendix F Data Quality Objectives' has been provided</p> <p>(4) Closed.</p>	-	3/08/2023	Closed
49	7.6	VALIDATION SAMPLING	<p>(1) Provide rational to support to use of 1 sample per 100m2 (i.e. a 10m by 10m grid) over the base of an excavation as being sufficient (rather than 5 x 5 m grid)</p> <p>(2) It is understood and the excavations will vary between 0.25 mbgs (in Areas 4A & 4B), 0.5 mbgs (Areas 2A & 2B) and 0.6 mbgs (Areas 1 & 3). Clarify if validation sampling of walls will be undertaken, and/or at what excavation depth would trigger the requirement to undertake excavation wall validation sampling. Will validation wall sampling be conducted along the site's northern and eastern boundaries?</p>	<p>1) The area of the site is approximately 0.2 ha. Under the NSW EPA Sampling Guidelines 2022 (which has a grid based sampling strategy similar to the former Australian Standard AS4482.1-2005) the number of sampling points for an area of 0.2 ha is 8 for the detection of a hotspot. The no. of sampling locations proposed for the Site is 20 based on the site area and is considered to be conservative. Notwithstanding a tighter sampling grid can be undertaken if required from the Site Auditor.</p> <p>2) Validation sampling along the walls of excavations is not proposed based on the sampling density proposed at the base of excavations. Validation sampling can be undertaken along the walls of the site northern and eastern boundaries. The following has been included in the RAP.</p> <p>"Validation samples will be collected along the walls of the northern and eastern site boundaries from at 0.1 m depth at 10 m spacings along the wall of the excavations."</p>	AS4482.1 is referring to investigation of a site. The NSW Sampling Guidelines Section 5.5 discusses validation in Section 5.5 with the base samples "will depend on the CSM for the site, and the rationale should be clearly documented in the RAP". A sampling grid of 5x5m grid would be more appropriate unless further rational is provided			Open: resolve prior to remediation
50	7.6.4	Field Quality Control Samples	<p>(1) Provide sampling frequency of intra-lab and inter-lab duplicates, rinsate blanks, and trip blanks</p> <p>(2) Provide rational as to why trip spikes are not considered necessary</p>	Please refer to amendments to Section 8.6.4	<p>(1) Amendments made to Section 8.7.4. Closed.</p> <p>(2) Nomenclature for trip spikes is discussed in Section 8.7.1; however, Section 8.7.4 does not provide information as to why trip spikes are not considered necessary for the proposed site remediation and validation.</p>			Open: resolve prior to remediation

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51	7.7	REINSTATEMENT OF EXCAVATIONS / IMPORTED FILL	(1) Specify who is responsible for developing and maintaining the records of imported soil/fill material (2) Suggest Table 7-3 be retitled to "Imported Fill Material Criteria" (3) Suggest that the actual detection limits / levels of reporting (LORs) for the primary and secondary NATA labs be presented in Table 7-3	1) Please refer to the added sentence to Section 8.7 2) Heading of table has been amended 3) Tetra Tech prefers not to include detection limits noting that different laboratories have different LORs.		-	3/08/2023	Closed
52	7.8	INSPECTIONS	Clarify if the SQP will also: - Check that record keeping (such as material tracking, etc.) is occurring as part of their regular inspections - Check that erosion and sediment control (ESC) measures are in good working order to prevent offsite migration from the remediation areas	Please refer to amendments to Section 8.8	Amendments made to (new) Section 8.9.	-	3/08/2023	Closed
53	9.0	HEALTH, SAFETY AND ENVIRONMENTAL CONTROLS	General comments applicable to Section 9.0 and its subsections: (1) Address environmental controls for noise, odour, and unexpected contamination	The items have been added to the second list of bullet points in Section 10.1	It is noted that a site specific safety plan will be prepared by the contractor to address environmental controls. However, a RAP is expected to provide commentary on the environmental controls to be implemented to minimise noise nuisance, odour nuisance, and unexpected contamination. Will the SSSP be reviewed by Coffey / CLA prior to site works?			Open: resolve prior to remediation
54	9.1	OCCUPATIONAL HEALTH AND SAFETY	[last paragraph] Clarify if the Principal Contractor (PC) is the same party or a different party from the Remediation Contractor. This is the first time in the report the use of the PC term has been used.	The term Principal Contractor/Remediation Contractor has now been used throughout the RAP.	[Changed to Section 10.1]	-	3/08/2023	Closed
55	9.3	RECORD KEEPING	[Par.2 bullets] Suggest the following be also recorded: - Remediation Area (e.g. Area 1, 2A, 2B, etc.) where the excavated material originated from - Estimated excavation volume - Company name of the cartage contractors, if multiple contractors are being used	These items have been added to first list of bullet points in Section 10.3.	-	-	3/08/2023	Closed
56	9.8	DESIGNATED WASH DOWN AREA	States "All vehicles are to be washed in the wheel wash bay prior to leaving the compounds". Provide details on: the capture; onsite retention; whether onsite treatment will occur; and discharge (to sewer under trade waste permit, or stormwater?) or offsite disposal of washwaters.	The following sentence has been added at the end of Section 10.8 "Wastewater from wheel washdown should be removed as a regulated waste by an appropriately licenced contractor."	[Changed to Section 10.8] For clarity, suggest that new sentence be amended to "The design of the wheel wash bay area will allow for capture of wastewater and removal by an appropriately licenced contractor for offsite management/disposal as regulated waste."			Open
57	9.9	DUST SUPPRESSION	Specify the party(s) who is responsible for deciding when dust suppression techniques are to be implemented and ceased.	Refer to added first sentence.	-	-	3/08/2023	Closed
58	9.10	AIR MONITORING	Specify the party(s) who are responsible for: - Implementing and undertaking air monitoring - Assessing and reporting the monitoring results - Making the decision to stop works (e.g. if results exceed the adopted air quality criteria)	Refer to amendments to Section 10.10	-	-	3/08/2023	Closed
59	9.12	SURFACE WATER DISCHARGE AND MONITORING	(1) Specify the party(s) who is responsible for managing accumulated surface water, sampling and testing, and discharge (2) Provide details on whether discharge will occur to stormwater or to sewer under trade waste permit, and if onsite treatment will occur prior to release	1) Refer to added first sentence. 2) As stated in Section 10.12 water generated during construction will be disposed off-site as a regulated waste or discharged to stormwater if compliant with the guidelines included in this Section. The Principal Contractor/Remediation Contractor does not plan to treat on-site or discharge water to sewer.	[Changed to Section 10.12] (1) Closed (2) SQPs clarifications has indicated that paragraph 2 implies 'accumulated surface water can be released to stormwater provided that it has been sampled and tested, and the resultant quality meets the EMP requirements'. Closed	-	3/08/2023	Closed
60	10	CONTINGENCY PLAN	[Table 10-1] (1) <i>Unexpected contamination findings</i> : Consider adding anthropogenic materials which pose physical hazards (i.e. sharp and angular) as an 'aesthetically unacceptable material' (2) <i>Discovery of underground tanks during excavation works</i> : Consider adding heavy metals to the minimum suite of contaminants	1) Items added to table. 2) Item added to table.	-	-	3/08/2023	Closed

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61	NA	Figure 2	[Legend] - Add the installation date/year of groundwater monitoring well location, MW01 - Clarify if the "areas sealed with concrete" was still present at the time of the RAP document (i.e. still present as of March 2023)	The installation data/year for MW01 has been included as a footnote Section 4.2, and 2021 has been added to Figure 2. The concrete was present in March 2023 however the site is currently undergoing demolition work. Please refer to added note to Figure. Note the Principal Contractor/Remediation	-	-	3/08/2023	Closed
62	NA	Figure 3	(1) [Legend] Clarify if the "areas sealed with concrete" was still present at the time of this RAP document (2) Appears to illustrate the fill depths for only: (a) the 2021 investigation sampling locations; and (b) other previous investigation locations, only if there's the presence of ash, slag, ACM &/or other anthropogenic materials (wood, brick, etc.). Please show the depths to fill (or state "no apparent fill") for the 2019 sampling locations and other locations with prefixes of HA, SA, SG, SS, and A. (3) Clarify if the ACM was observed at the surface or within fill material (and at what depth)	Please refer note added to the figure. Refer to additional comments on Item 61. Fill depths were included in Figure 3 where the depth of fill was proven. This included locations in the 2021 investigation and a limited number of locations in other previous investigations (e.g. SA04/A04). Where the depth of fill has been proven it is shown on the Figure. Anthropogenic materials reported in the 2021 and other previous investigations were also included in this figure. ACM was not observed in 2021, and was observed at ground surface in previous investigations. Please refer to additional comments on Item 25.	Noted.	-	3/08/2023	Closed
63	NA	Distribution table (pg 2 of 120)	-	-	Correct the distribution date from "31 July 2023" to "1 August 2023".			Open
64	NA	Acronym List	-	-	Remove the acronym of POEO which is NSW legislation.			Open
65	1.1	Roles and Responsibilities	-	-	[Table 1-1, Client row] Presents an empty bullet point in Column 4. Clarify if there is missing information.			Open
66	1.1	Roles and Responsibilities	-	-	[Table 1-1, 'Principal Contractor / Remediation Contractor' row, sub bullet 1] States "identify soil materials containing ACM". Is this inferring that Enviropacific has licenced asbestos assessor (LAA) capabilities, or that they need to be able to visually identify soil materials suspected of containing ACM?			Open
67	1.1	Roles and Responsibilities	-	-	[Table 1-1, 'DES-Approved Contaminated Land Auditor' row, sub bullet 1] Suggest inclusion of the following responsibility "Undertake role of DES approved contaminated land auditor (CLA) and conduct auditing services in accordance with provisions of Chapter 12, Part 3A of the Environmental Protection (EP) Act 1994"?			Open
68	1.1	Roles and Responsibilities	-	-	[Table 1-1 General comment] "Environmental Consultant" is used in Section 10.1 and Table F.1 (Appendix F). Is the environmental consultant equivalent to the SQP company, TTC, or another entity? If required, include the new role into Table 1-1. Alternatively, maintain consistency in the report and amend, as required.			Open
69	7.3	REMEDIATION CRITERIA	-	-	[Par.1] States "For OCPs the proposed remediation criteria are the standard LOR from the NATA accredited laboratory Eurofins or ALS. For Eurofins these range from 0.05 mg/kg to 0.1 mg/kg". Seeking further clarification. If the reported concentration is equal to the LOR, is this acceptable or unacceptable? Must all OCPs report concentrations be less than the LOR to be considered acceptable?			Open: resolve prior to remediation
70	8.0	REMEDIATION PLAN	-	-	[1st sentence] States "For remediation planning the Site has been segregated into six areas which are shown in Figure 4, Figure 4A and Figure 4B, Appendix A." Figures 4a and 4b and Tables 8-1 and 8-2 suggest the site has been divided into ten areas. Please resolve this inconsistency.			Open

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71	8.3	MATERIALS REQUIRING REMEDICATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	<p>[General Comment to set context of Auditor's understanding]</p> <p>The content of former sections, 'Section 7.3 Excavation' and 'Section 7.4 Management of Excavated Materials' have been significantly reworked into new 'Section 8.3 Material requiring Remediation & Management of Excavated Materials', Tables 8-1 and 8-2, and new tables in 'Appendix G Materials Requiring Remediation'.</p> <p>It is understood the intent of new Section 8.3 and Appendix G is to present and summarise the following key steps/methodology of:</p> <ul style="list-style-type: none"> - Step 1: Collating all the soil data from previous investigations to identify soil locations which have exceeded the adopted remediation criteria (Section 7.3). Presenting this information graphically on Figure 3 - Step 2: Using the exceedances to define the extents of the areas requiring remediation via excavation and offsite disposal. Presenting this information graphically on Figures 4A and 4B - Step 3: Identifying appropriate disposal facilities to accept the material. This was done through discussion with receiving disposal facilities and comparison of onsite soil concentration results to the facility's waste acceptance criteria <p>Please clarify if the Auditor has correctly interpreted the intent of new Section 8.3 and Appendix G.</p>			Open
72	NA	Appendix G: Materials Requiring Remediation	-	-	<p>[Step 3: Identifying appropriate disposal facilities]</p> <p>First table (Surface to 0.25 mbgs) in Appendix G states "Materials in these areas (Areas 1A, 1B, 1C, and 3C) at to be excavated to 0.25 m bgs for disposal to monocell landfill as contaminated soil potentially containing ACM". Please clarify, as it is understood that exceedances of the lined landfill criteria specified for total OCPs, lead, and/or chromium would be driver, not ACM.</p>			Open: resolve prior to remediation
73	8.3	MATERIALS REQUIRING REMEDICATION AND MANAGEMENT OF EXCAVATED MATERIALS and Appendix G: Materials Requiring Remediation	-	-	<p>[Step 3: Identifying appropriate disposal facilities]</p> <p>[First table (Surface to 0.25 mbgs) in Appendix G]</p> <p>Clarify that material from Area 3C is required to be disposed to monocell due to TCLP.</p> <p>Please clarify why Area 1C is not considered suitable for disposal to lined landfill. If required, amend Table 8-1, Appendix G, and/or Figure 4A.</p>			Open: resolve prior to remediation
74	NA	Appendix G: Materials Requiring Remediation	-	-	<p>[Step 3: Identifying appropriate disposal facilities]</p> <p>[First table (Surface to 0.25 mbgs) in Appendix G]</p> <p>(1) To easily identify which soil sampling locations have exceeded the site remediation criteria, please specify/state (in Column 2), which soil sampling locations have exceeded the adopted site remediation criteria for all ten areas (i.e. Areas 1A-1C, 2, 3A-3C, and 4A-4B)</p> <p>(2) With respect to Areas 1A, 1B, 1C, and 3C, also specify/state which soil sampling locations have exceeded the lined landfill</p> <p>(3) Provide rationale and commentary for how the polygons of monocell areas 1A, 1B, 1C, and 3C were determined. Please show (on Figure 4A) the sampling locations which were used to determine the extents of the monocell areas. In particular, how was the thin rectangular polygon of 3C determined in relation to Areas 3B and 3A.</p>			Open: resolve prior to remediation
75	NA	Appendix G: Materials Requiring Remediation	-	-	<p>[First table, Area 2 row]</p> <p>States "OCPs in Area 2 exceed NEPM HIL-A guidelines for residential areas with accessible gardens".</p> <p>Please clarify which soil sampling locations within Area 2 exceeded HIL-A? As quick review of the Data Tables (Appendix B) did not identify OCP exceedances at any of the locations within Area 2 (e.g. BH18; ha01; BH17; 32; SS01; BH12; 5; 4; 2; 1; SA05/A05; 3; etc). If required amend</p>			Open: resolve prior to remediation

Item	Section in Report	Report Section Name	Review #1 on RAP Rev D Epic Comments 30/05/2023	Review #1 SQP Response 01/08/2023	Review #2 on Rev E Epic Comments 03/08/2023	Review #2 SQP Response dd/mm/2023	Date Action Closed	Comment Status (Open / Closed)2
76	NA	Appendix G: Materials Requiring Remediation	-	-	[First table, Area 3A & 3B row] States "OCPs in Area 3A/3B exceed NEPM HIL-C and NEPM HIL-A guidelines for....". (1) Please clarify which soil sampling locations exceed HIL-A or HIL-C in Area 3B? As Figure 3 does not show any soil sampling locations in Area 3B. If required amend. (2) Provide rationale as to why material in Areas 3A must be disposed to lined landfill. Figure 3 suggests that sampling locations 7, Slag1, and Slag2 are within Area 3A. A quick review of the Data Tables (Appendix B) did not identify OCP exceedances at any of these locations. (3) Provide rationale and commentary on how the polygons for Areas 3A, 3B, and 3C were determined. Please show (on Figure 4A) the sampling locations which were used to determine the extents of Areas 3A to 3C.			Open: resolve prior to remediation
77	NA	Appendix G: Materials Requiring Remediation	-	-	[2nd table, Area2 row] Correct typo error of "Area 2" to "Area 2".			Open
78	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	[Table 8-2] States the excavation depth for Area 2 is 0.25-0.40 mbgs. However, Table 8-1 states Area 2 will be excavated to a depth of 0.2 mbgs. Clarify the discrepancy between 0.25 and 0.2 mbgs. As required, amend Tables 8-1, 8-2, and/or Appendix B first table.			Open: resolve prior to remediation
79	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	Provide commentary on: (1) The proposed order/sequence to undertake excavation of the areas summarised in Tables 8-1 (material 0.0-0.25 mbgs) and 8-2 (material between 0.25-0.40 mbgs) (2) Whether validation sampling will be undertaken progressively during excavation works, or in stages.			Open: resolve prior to remediation
80	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	[Table 8-1 and Par.1 under Waste Levy Exemption sub-heading] Have incorrectly used the environmental authority numbers (issued to the licenced facility) as the issued Disposal Permit (SPD) numbers. Please correct to refer to the relevant Soil Disposal Permit (SPD) numbers (i.e. SDP010002171 or SDP010002201).			Open
81	8.3	MATERIALS REQUIRING REMEDIATION AND MANAGEMENT OF EXCAVATED MATERIALS	-	-	[Table 8-1] Clarify the Auditor's interpretation and application of the following table notes is correct: (1) [Note 1] Excavation of soils underlying the concrete slab in Area 4B is not proposed. However, in the event that unsuitable fill material is encountered/present, shallow material will be excavated for offsite beneficial use at BMI Group's Redbank Resource Recovery Facility. Please clarify (in the note text) if unsuitable fill material (that is found to be present) must be removed to make it suitable for recovery and beneficial use. Ifs required, also reflect this in the tables in Appendix G. (2) [Note 2] Was the 150m3 volume soil disposal permit (SDP) estimated by 70m3 x 1.5 (50% contingency factor x 1.4 bulking factor)? While the other 500m3 volume SDP was estimated by 355m3 x 1.4 bulking factor (i.e. no contingency applied)?			Open: resolve prior to remediation
82	NA	General comment - inconsistent data	-	-	Data appears to be inconsistent between the soil results (shown in Appendix B Data Tables), Figure 3, and Table 5-2, and possibly Table 5-1. For example: Data table (pg. 46 of 120) shows the aldrin+dieldrin concentration (17.49mg/kg) at sample location 34-0.0mbgl exceeds HIL-C (orange shading), however, Figure 3 shows location 34 as exceeding HIL-A (green circle). Furthermore, location 34 isn't listed in Table 5-2. Other data inconsistencies appear to exist for: 36; BH08(0.3); BH07(0.3); BH06(0.5); BH16(0.1); HA03 (0.0-0.1); HA02(0.0-0.1); BH14(0.1); 15(0.0); 11(0.0) & 11(0.45); 8(0.0); and HA07/SA12 and 13P(0.0)/HA07. Please review and (as required) amend.			Open: resolve prior to remediation

Item	Section in Report	Report Section Name	Review #1 on RAP Rev D Epic Comments 30/05/2023	Review #1 SQP Response 01/08/2023	Review #2 on Rev E Epic Comments 03/08/2023	Review #2 SQP Response dd/mm/2023	Date Action Closed	Comment Status (Open / Closed)2
83	NA	Appendix B: Data Tables	-	-	[TCLP data, page 72 of 120] It is understood that the TCLP data for lined landfill criteria (of 0.03 mg/L) shown for dieldrin is incorrect. The correct criteria should be 0.01 mg/L. Thus, the dieldrin TCLP results reported for soil sampling locations 11-0.0 (0.02 mg/L) and 34-0.0 (0.012 mg/L) should be shown shaded as existing the lined landfill criteria. Please correct. Please also check all TCLP criteria and results data to ensure accurate information is presented.			Open: resolve prior to remediation
84	NA	Appendix F: Data Quality Objectives & Indicators	-	-	[Table F.1, row '4. Define the boundaries of the study'] Incorrect reference to Figure 3. Please amend.			Open
85	NA	Appendix F: Data Quality Objectives & Indicators	-	-	[F.2 Data Quality Indicators, Table A] (1) [Row 1] There's a reference to PFAS (2) Expand acronym "SOPs" (3) [Row 4] correct typo of "Experienced Tetra Tech Coffey Environmental Scientists conducted will be the sampling."			Open
86	NA	Appendix F: Data Quality Objectives & Indicators	-	-	[F.2 Data Quality Indicators, Table B] Expand acronym "TTMP"			Open
87	NA	Appendix F: Data Quality Objectives & Indicators	-	-	[F.2 Data Quality Indicators, Table D] Incorrect reference to Section 13.3			Open
88	NA	Appendix F: Data Quality Objectives & Indicators	-	-	[F.2 Data Quality Indicators, Table E] There appears to be a description mix up between Trip Blank and Field Blank. Please address.			Open

Comments Log for: (CLID) Validation Report - Newdegate Street, Greenslopes Queensland

Comme Reviewers:
1 onwan Reviewer - Louise Cartwright (Epic)
100 onwards
1000 onwards

Document:
Site:
Revision number:
Document received:
Review comments returned:

Validation Report, Newdegate Street, Greenslopes Queensland (Report ref. 784-BNEEN282781 Validation Report, dated 12/07/2024)
51, 53 and 55 Headfort Street, Greenslopes (Lot 123-125 RP46047)
Rev E
12/07/2024
30/07/2024

Comment No.	Reviewer	Doc Rev	Review date	Reference/ Report Section	Review #1 Comment [29/2/2024] Comment on Rev B	Review #1 SQP Response [Date]	Review #2 Comment [05/06/2024] Comment on Rev D	Review #2 SQP Response [Date]	Review #3 Comment [30/07/2024] Comment on Rev E	Date Action Closed	Comment Status (Open / Closed)
1	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	Epic have been commissioned by Dave Binny of Department of Verteran's Affairs (the Client) to provide contaminated land auditor (CLA) services for the removal of the site (Lot 123, 124 and 125 on Registered Plan (RP)46047) from the Environmental Management Register (EMR). It should be noted that the CLA services for this site were undertaken in general accordance with the provisions of the (Qld) <i>Environmental Protection Act 1994</i> (EP Act).	Comment noted	No further comment			05-Jun-24	Closed
2	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	The comments and advice are provided to assist the Suitably Qualified Person (SQP) to progress finalisation of the CLID. The information should not be considered pre-emptive of the final report submission for the site, but rather represents the reviewers' opinions based on the current review of available site information. The comments are not designed to be an endorsement or certification of meeting the requirements of the EP Act, but rather are considered as comment only.	Comment noted	No further comment			05-Jun-24	Closed
3	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	<p>It is understood that the Validation Report (VR) forms the Contaminated Land Investigation Document (CLID) report. Thus, this CLID-VR must be accompanied with a completed DES submission form.</p> <p>Recent regulatory changes, require as of 5 April 2023, the new CLID form https://www.qld.gov.au/_data/assets/pdf_file/0031/375448/cl-investigation-document-form.pdf to be submitted with the CLID. Parts A to C and Appendix 1 and Appendix 2 of the form must be completed by the SQP, whilst the Auditor completes Part D.</p> <p>A completed copy of the CLID form by the SQP was not provided with this draft CLID-VR to the CLA. Thus, the information provided to date is not considered to be in a 'CLID approved form'. Furthermore, the CLA is unable to comment on whether the CLID submission form has been appropriately filled out.</p>	A copy of the completed Contaminated Land Investigation Document form (Version 1.03) has been submitted with Rev C of the CLID.	<p>Please note that a detailed review of the approved form will be completed closer to submission. Some minor comments include:</p> <p>- The title of the document is not consistent with the report title. Please remove the dash from "Validation Report - 51, 53 and 55 Headfort Street, Greenslopes Queensland" from the approved form</p> <p>- Page 1 Please remove the " 784-BNEEN282781" from column 3 of Table A1 as an SMP is not required. This refers to the item titled <i>"If draft SMP, enter details of supporting SIR or VR:"</i>.</p> <p>- Table A4. EMR/CLR reference numbers are incorrect (e.g., 148512 not 1481512 etc). Please update</p> <p>- Please complete Appendix 1 of the approved form. It is not sufficient to refer to an attachment</p>	<p>The dash has been removed from the form and the header of the document.</p> <p>Removed</p> <p>Updated</p> <p>Updated</p>	<p>Addressed</p> <p>Addressed</p> <p>Addressed</p> <p>Addressed</p> <p>Please complete Appendix 2, sign and return to the CLA. Please ensure that the approved form and module 6 is addressed in full. For example, the CLA notes that climate (module 6) requirement has not been included in the report</p>		Open
4	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	The CLA understands the Client's intension is to remove the site from the EMR. Thus, the SQP is not required to develop a Site Management Plan (SMP) as part of the future CLID.	Comment noted	No further comment			05-Jun-24	Closed
5	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	It is generally the CLAs preference that CLIDs are prepared as standalone documents with all pertinent information provided in the main report text, thereby negating the requirement for significant documentation to be appended.	Please refer the response to Comment 9.	<p>Addressed. The CLA notes that the SQP has made considerable effort to address comments provided in Review #1.</p> <p>Additional request to provide all previous reports referenced in the CLID in the appendices.</p>	<p>Reports on previous investigations were included in Rev B and then removed for Rev D based on the meeting with the Site Auditor on the 18/3.</p> <p>As per our meeting on the 25/6 it has been agreed that the previous investigation reports not included in Rev D do not need to be included in the CLID. It is noted that relevant information from these reports has been summarised in the CLID.</p>	Noted	30-Jul-24	Open

6	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	It is recommend that Coffey include a table in Section 1 which details key project information including details of the SQP (and support team, if applicable), the CLA, Client, EMR status / IDs and CLID type / trigger. Sample text to consider for inclusion (to populate CLID type / trigger section) : "Voluntary submission of a CLID comprising an assessment of potential site contamination – Removing Site from the EMR. This CLID provides final information about the Site and its intended use. No more CLIDs are forecast in the foreseeable future for the same Site and its same intended use"	Please refer to Table 1-1 in Section 1.	Addressed			05-Jun-24	Closed
7	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	Mapping needs to be provided for all desktop searches including but not limited to topography (including contours), watercourses / drainage, hydrogeology (location of bores within a 2km radius of the site), regional and local geology, soils, acid sulfate soils, flood risk assessment, bushfire, fire ant, unexploded ordnance and cultural heritage. Please ensure all these searches are discussed in the final CLID	Please refer to the amendments to Section 4.4 which includes references to the requested figures which are provided in Appendix K.	Remove the current title search completed in July 2013 in Appendix K.14. This has been superceded by the search completed in Appendix K.1. Please note that the current title and EMR searches need to be <1month old when the CLID is submitted (refer to Appendix 2 of the approved form) Confirm the title records associated with the year 1950 have been supplied within Appendix K.14. There appears to be a discrepancy, the current title indicates it's current from December 1945 not 1950	Updated Title/EMR Searches will be included in the final CLID document. 1950 has been changed to 1945 in Table 4-2, and in the paragraph beneath the table. 1950 to 1945 has also been changed in Section 3.1.3	Noted Addressed	30-Jul-24	Closed
8	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	The report indicates that the site is located at 114 Newdegate Street, Greenslopes QLD, however, the addresses relevant to the site are 51, 53 and 55 Headfort Street. Recommend that either Coffey remove reference to Newdegate Street or that clarity is provided	The site has been historically referred to as 114 Newdegate Street, Greenslopes (common address). The address will be changed to 51, 53, 55 Headfort St and footnote is to be added to the CLID explaining that 114 Newdegate Street has also been used historically to describe the address of the site.	Addressed			05-Jun-24	Closed
9	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	3.1 Site Characterisation	Provide details of previous investigations in this section including scope of works, key findings, and provide comment on any limitations and compliance with relevant guidelines and standards relevant to this CLID	Section 3 has been renamed 'Previous Investigations'. Details of previous investigations have been summarised in this section. The summary of contamination has now been included in Section 4.5	Addressed - further comment on this content in captured in later comments			05-Jun-24	Closed
10	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.1 Site Identification	Add "Current Occupiers" to Table 4-1 and list as "none" - assuming this is accurate	Please refer to ammendment to Table 4-1.	Addressed			05-Jun-24	Closed
11	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.1 Site Identification	Table 4-1: The site address is listed as "53 Headfort Street" for all three lots. Please update to reflect actual addresses - i.e., 51, 53 and 55 Headfort Street	Refer to response to comment 8	Addressed			05-Jun-24	Closed
12	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.1 Site Identification	Table 4-1: EMR Listing - please update text to reflect description in the register "The site has been subject to contamination from a hazardous contaminant as follows: HAZARDOUS CONTAMINANT - This site has been subject to a hazardous contaminant. Elevated concentrations of organochlorine pesticides (DDD/DDT/DDE and Aldrin/Dieldrin) identified on site above the nominated investigation levels." Provide a short history (if available) of when any listing(s) occurred, and any changes that were made to the listings.	Refer to amendments to Table 4-1 and Appendix K.2	Perhaps this should instead refer to Appendix K.3 titled "DES response". It appears that the response from DES on 20 March 2024 at 11:27 has been redacted. Can the SQP confirm this was intentional and if so, identify why it was required	No information is redacted however there was an error in the pdf file generated. An updated version of the appendices is provided as Appendix K.3.	Noted	30-Jul-24	Closed
13	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.1 Site Identification	Table 4-1: The surrounding land uses have not been captured on figures. Please include	Please refer to amendments to Table 4-1 and the figure included in Appendix K.13	Addressed			05-Jun-24	Closed
14	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.1 Site Identification	Table 4-1: The utility services (pre and post remediation) need to be captured on a figure and further consideration. Did underground services have the potential to act as a conduit for contamination?	Section 4.2.8 has been prepared to describe utilities pre/post remediation. Pre-remediation utilities removed during remediation are to be provided by EPS. Section 4.2.8.1 will be updated with this information once it has been provided. Figure 12, Appendix A which shows the location of underground utilities post-remediation. Thee are described in Section 4.2.8.2 and 6.6.2 The following statement has been included in Section 4.2.8.3: <i>The contaminants of concern for the Site (refer to Section 3.5 and Section 4.2.10) are non-leachable (asbestos) or have low solubility/leachability (OCPs) and therefore the migration of contamination along preferential pathways which may be associated with building services (e.g. bedding sands) is not an applicable transport pathway for the migration of contamination on the Site.</i>	Partially addressed. This section is currently highlighted yellow and is to be updated once additional information is provided from EPS (demolition contractor). Can the SQP please provide commentary on the likelihood of encountering PFAS contamination associated with the fire main?	The following has been added as a footnote to Section 4.2.8.1 <i>"The fire main contains reticulated potable water and is not associated with the use of Per-and Poly-fluoroalkyl Substances (PFAS). Further information on the likelihood of the use of PFAS on the Site is provided in Section 4.2.9.</i>	Addressed	30-Jul-24	Closed
15	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.1 Site Identification	Ensure to describe all surface and subsurface infrastructure on the land, including details of the location, size and type of the infrastructure. Relevant infrastructure includes pipes, tanks, drains, dams, bores, buildings and foundations. Further details relating to the site buildings would be beneficial (e.g. any material changes to building since construction? when did it fall into disuse? was it accessible to the public? potential for lead paint occurrence considered?)	Please refer to the information included in the following sections: 4.2.2, 4.2.4, 4.2.7 which describes the structures and infrastructure historically present on the Site. Information on lead based paint is provided in Section 4.2.7. Infrastructure/activities not undertaken on the Site are described in Section 4.2.9.	Addressed, can the SQP detail why reference to 2013 is made in Section 4.2.4. Assume this relates to when the PSI was conducted / when TTC was first engaged?	Correct. 2013 to 2023 covers the time period after the PSI was completed. Please refer to added footnote.	Addressed	30-Jul-24	Closed
16	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.2 Site History	Historical Aerials have not been provided to the CLA for review. Please provide noting that the imagery provided in the report is not of sufficient resolution for review purposes. Please also provide in the final CLID noting it would be useful to include the site boundary on the historical aerials	Please refer to the amendments to Section 4.2 and the historical aerial imagery included in the Lot Search Report provided in Appendix K.1.	Addressed			05-Jun-24	Closed

17	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.2 Site History	The information provided in this section is not sufficient to ensure the site history and associated contaminants of potential concern are fully understood. It is recommended that information from previous investigations is incorporated into this section and reference from where this information has been sourced is also included	Please refer to: Section 3 which summarises data from Previous Investigations. The Summary of Contamination previously included in Section 5 has now been moved to Section 4.5. Section 4.2 which includes further information on the history of the Site from previous investigations (refer to Section 3) and the Lot Search Report included in Appendix K.1. Contamination on the Site as it relates to historical landuse has been summarised in Section 4.2.10. As requested the CSM previously included in Section 6 has now been moved to Section 4 (now as Section 4.6).	Addressed. The CLA notes that OPPs were analysed in 4 surface samples in 2013 and were below LOR so were thereafter excluded as a CoPC			05-Jun-24	Closed
18	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.2 Site History	Confirm purpose of the following statement "It is not known whether historically there were smaller structures located on the Site which have subsequently been demolished and the source of any fill material used on the Site." Is there a reason why this comment has been included? What lead Coffey to believe this may be the case and how has this potential been considered during site remediation?	The statement <i>"It is not known whether historically there were smaller structures located on the Site which have subsequently been demolished and the source of any fill material used on the Site"</i> has been removed from the CLID is Section 4.2.	Addressed. Confirming this statement has been removed from the report	Assume the status of this comment is meant to be closed.	Correct. This comment is now closed	30-Jul-24	Closed
19	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.2 Site History	Has a Right to Information (RTI) application been submitted to the Department of Environment Science and Innovation (DESI) and local council? Please provide these records and also include in the CLID-VR	Please refer to Section 4.2.5 and Section 4.2.6, and the records included in Appendix K.2 and K.3	The CLA notes that an RTI was submitted to Brisbane City Council (BCC) as part of the PSI completed by Coffey in 2013. An RTI was not submitted to DESI, however, the SQP did contact the DESI EMR/CLR registry office which indicated records included the PSI from 2013. An email response from the RTI officer appears to have been redacted and the communications provided did not clearly identify that the PSI was the extent of records held by DESI	Please refer to comment 12. Please note that in the response from DESI included in Appendix K.13 stated <i>"Yes, the report we have on file is Department of Veterans Affairs, Phase 2 Contaminated Land Assessment. 114 Newdegate Street, Greenslopes QLD. Prepared by Coffey Environments Australia Pty Ltd. 4 November 2013. Project Ref: ENAUBRIS09222AA."</i> This is the only report on the Site held by DESI.	Noted	30-Jul-24	Closed
20	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.2 Site History	What about data gaps? Noting some are indicated in the SAQP	Discussion on data gaps following completion of investigations is discussed in Section 3.1.4, 3.2.4, 3.3.4 and 3.4.4. The data gaps referred to in the SAQP are reproduced in Section 3.4.1. The data gaps referred to in the SAQP related to aspects of the site which has not been previously investigated rather than data gaps relating to the history of the site. Please refer to Section 4.2.11 in regard to data gaps associated with site history.	Addressed			05-Jun-24	Closed
21			29-Feb-24	4.2 Site History	Please provide statement whether waste has / has not been disposed or stored on land (refer to module 6 for more guidance, if required)	Please refer to Section 4.2.9.	Addressed			05-Jun-24	Closed
22	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	Comment on present (or absence) of ERAs or enforcement notices relevant to the site / surrounding land. Refer to module 6 for more guidance	Please refer to Section 4.3.2	Addressed			05-Jun-24	Closed
23	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.3 Environmental Management Register	First time DDD/DDT/DDE have been used - provide acronyms in full	These acronyms have now been defined in Section 1 Introduction and the ACRONYMS/ABBREVIATIONS table.	Addressed			05-Jun-24	Closed
24	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	More detail is required in this section - a summary of previous investigations does not provide sufficient information for CLID requirements. As previously stated, mapping should be provided for CLA review but should also be attached to the CLID-VR and referenced throughout this section. It is noted that some of this information is captured in supporting documentation (e.g., SAQP) but needs to be added to the CLID-VR which should be a stand alone document	Please refer to the amendments to Section 4.4	Addressed			05-Jun-24	Closed
25	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	The report indicates that topography flows toward Norman Creek. It is noted that Glindemann Creek is also located south of the Site and should be discussed. Topography is discussed in "regional geology" - consider adding this to the "topography & drainage" item instead	Please refer to Section 4.4.2	Addressed			05-Jun-24	Closed
26	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	First time Ekibin Park East mentioned - add to surrounding land uses and indicate on Figure	Please refer to the amendmetns to Section 4.4.1. The location of Ekin Park East is shown in Appendix K.6.	Addressed. The CLA notes that is also identified in Figure 1, Appendix A "local area map"			05-Jun-24	Closed
27	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	Where is the BCC stormwater drainage system relative to the site? Add to figure	Please refer to the amendments to Section 4.4.2 and the map included Appendix K.15	Addressed			05-Jun-24	Closed
28	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	The registered bore search should be extended to 2km as only one bore is located within a 1km radius of this site. Please add to figure and also depict this radius	Please refer to amendments to Section 4.4.7. Regional bore information within a 2 km radius of the Site is included Appendix K.1.	Please re-confirm that the registered bore mapping and bore records provided in Appendix K.8 are for a 2km and not a 1km radius	Registered bores within a 2km radius and relevant information from these bores from the bore reports is included in Appendix K.2 in the Lot Search Report. This is explained in paragraph 5 of Section 4.4.7. Appendix K.8 contains further information regarding a bore which is considered to be of more relevance to the Site. This is explained in paragraph 6 of Section 4.4.7	Section 4.4.15 indicates that this is a 1km radius		Open
29	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	m bgs - first time used (in full)	m bgs is now first used in Section 3.2.3, and is defined in the ACRONYMS/ABBREVIATIONS	Addressed			05-Jun-24	Closed
30	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	Regional geology of the surrounding land should also be discussed	Refer to the amendments to Section 4.4.3.	Addressed, however, please remove all website links from the document footers and instead pdf the relevant information and add as an appendix	References to weblinks are an accepted form of referencing. Where the weblink contains information pertinent to the report, an extract of the weblink/reference was included in the report. As discussed in the meeting of the 25/6, weblink references have access dates included.	Noted	30-Jul-24	Closed

31	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	Local Geology - reference which previous site investigation these subsurface geology described were derived. Comment on heterogeneity (or otherwise) of the fill and natural soil profile observed during previous investigations and remediation. Also noting topsoil was identified during the remediation phase of the project. Recommend that Coffey include a table in an appendix which details the sample event, lithology, anthropogenic waste encountered and the total depth of each location - I note that some of this information is captured in Figure 3	Please refer to Section 4.4.4 and the previous investigation lithological table included in Appendix K.4.	This appears to refer to Appendix K.5. Please add this table to Section 4.4.4 and also add where elevated concentrations were identified and at what concentrations. Please confirm where material was successfully removed during remediation	The purpose of Section 4.4.4 is to describe local geology on the Site. As per the Site Auditor's requested on Rev B, an appendix was created which summarises sample date, depth investigated at each location, lithology and anthropogenic materials encountered. This was included as Appendix K.5. The SQPs preference is to retain the table in Appendix K.5 as an appendix to maintain the readability of Section 4.4.4. Contamination on the Site is summarised in detail in Section 4.5 and it is noted that the data is also presented in Figures in Appendix 1, and tabulated in Appendix C.7.1. It is considered unnecessary to add historical contamination data to Appendix K.5. Statements regarding the removal of contamination are included in: Section 4.4.4 regarding fill materials and Section 4.5.8 as well as Section 6. Further statements in Section 4.4.4 are considered unnecessary. In the meeting on the 25/6 it was confirmed that information required in Review Comment 2 is not required.	Noted. This will further articulated and closed out within the site audit report (SAR)	30-Jul-24	Closed
32	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.4 Environmental Setting	It is noted that mudstone was encountered between 0.65 and 2.4 m bgs in the north western portion of the site. Was bedrock encountered elsewhere on site? If not, please provide further information including the anticipated geology / depth it would likely be encountered	Please refer to Section 4.4.4. Weathered mudstone was encountered from 2.9 m bgs. Weathered rock was not encountered elshwere during previous investigations due to the depth of investigation locations being <0.5 m bgs.	The report provided in Appendix L.2, Section 8.1 "Natural Materials" indicates " <i>Apparent refusal on weathered mudstone was encountered at 0.65m bgs during excavation of BH19 located in the north western portion of the site. Weathered mudstone was encountered from approximately 2.4 m bgs at MW1 in the north western corner of the Site</i> ". It appears the SQP's response contracts the above. Please clarify	Section 4.4.4, Natural Materials, second paragraph has been amended to state "Weathered mudstone (clay) was also encountered during remediation".	Noted	18-Jul-24	Closed
33	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.5 Regional Ecosystems	Please provide this mapping and include in final CLUD. A link is not sufficient.	Please refer to Section 4.4.13 and Appendix K.16	Addressed			05-Jun-24	Closed
34	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	4.6 Environmental Values and Water Quality Objectives	Please provide the associated map and Environmental Values and Water Quality Objectives report. These should also be included in an appendix and referenced accordingly	Please refer to Section 4.4.15 and Appendix K.17 and K.18	Addressed - noting this is Section 4.4.16 and Appendix K.17 is for MSES			05-Jun-24	Closed
35	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	Include a section on groundwater dependent ecosystems	Please refer to Section 4.4.15 and Appendix K.1.	Addressed - Section 4.4.15 and Appendix K.2			05-Jun-24	Closed
36	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	Noting that areas of potential environmental concern (APECS) and potential contaminants of concern (CoPCs) have not yet been discussed	Refer to Section 4.5.5 and Section 4.5.6	Addressed			05-Jun-24	Closed
37	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	Key information from the SAQP and RAP should be captured in the report (DQOs, Investigation criteria applied and why etc.). Were works conducted in accordance with these documents?	As requested the DQOs and Investigation Criteria included in the SAQP have been reproduced in Section 3.4.2 and Section 3.4.4 respectively. Section 3.4.5 has been added to note that the Investigation Levels were further refined in the Supplementary Investigation, and that the Investigations Levels included in the report on the Supplementary Investigation have been reproduced in 3.4.5. Section 3.4.1 and 3.4.8 includes a statement that the Supplementary Investigation was undertaken in accordance with the SAQP. The DQOs include references to other Sections of the SAQP document. The SAQP has therefore been included as an appendices to the report (see Appendix L.1). DQOs form the RAP have been reproduced in Section 5.3. The DQOs include references to other Sections of the RAP document. The RAP has therefore been included as an appendices to the report (see Appendix L.3). Remediation criteria from the RAP are described in Section 5.4. A statement of work being completed in accordance with the RAP is included at the end of Section 6.2. Statements about the remediation works being undertaken in accordance with the RAP were previously included in Rev B in Section 8.3 (now 6.3), 8.4.1 (now 6.4.1), 8.4.2 (now 6.4.2), 8.5 (now 6.5), 8.9.1 (now 6.9.1), 8.9.4 (now 6.9.4), 8.10 (now 6.10).	Addressed			05-Jun-24	Closed
38	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	More detailed information relating to site / soil conditions and the time period these investigations took place would be beneficial. Any limitations or data gaps identified? Analytical tables should be provided in Appendix C (in addition to the remediation analytical data) which clearly indicate the historic samples that have been removed from site during remediation and those remaining onsite	The summary of contamination is now included as Section 4.5. Please refer to the amendments to this Section and note: * previous site investigation data tables included the RAP are not provided in Appendix C.7.1 and C.7.2 * a statement in regard to the removal of the materials which include the sample data is included in Section 4.5.8 * data gaps / limitations are described in Section 4.5.7. * reference to asbestos being found in remediation and managed as an unexpected find is included in Section 4.5.8.	Addressed			05-Jun-24	Closed
39	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	Note on chromium: detail whether chromium VI was considered a CoPC. Have these locations (or subsequent locations) been speciated to confirm that chromium concentrations are CrIII other than at MW1? Noting that elevated Cr concentrations appear to be primarily along the eastern boundary of the site. Note, the concentrations of Cr at MW 1 are currently unclear.	Please refer to the amendments to Section 4.5.2.4	Addressed			05-Jun-24	Closed
40	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	BH16 is missing from Figure 2.	BH16 is in the south eastern corner of the Site, and was shown in Figure 2 and Figure 3 in Appendix A.	Addressed			05-Jun-24	Closed
41	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	Should "A04" be "SA04/A04" and "A06" be "SA06/A06"	Refer to amendments to Section 4.5.2.2. A04 has been changed to SA04/A04, A06 has been changed to SA06/A06 and A10 has been changed to SA10/A10.	Addressed, however, can TTC confirm what "(15)" is in reference to (comment relates to bullet #7).	Sample location 15 is located adjacent to SA10/A10. See added footnote.	Addressed	30-Jul-24	Closed
42	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	Where is A10? Where under the main hall, accommodation building and unsealed external areas was asbestos encountered - clarity on how widespread asbestos was encountered would be beneficial. Any changes should also be captured on the relevant figures	SA10/A10 is in the north eastern corner of the main hall building. Additional information has been added to Section 4.5.2.2 on the inferred distribution of asbestos. Amendments to the figures is not considered to be required.	Addressed - the CLA confirms that sufficient information has been provided to address this comment			05-Jun-24	Closed

43	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	What is the 2021 investigation? This is not mentioned in Section 3.1 (also mentioned in Figures).	2021 Investigation' changed to 'Supplementary Investigation'	The 2021 investigation is still mentioned in Section 3.4.7 and Section 4.5.2.2. Please update	Amended in report.	Addressed	30-Jul-24	Closed
44	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	This section reads as items that should occur - recommend Coffey use past tense to indicate these were measures that were implemented in subsequent remediation / site management	The section has been changed so it is in the past tense. Additional sentences have been added to Section 4.5.2.1, 4.5.2.2, 4.5.2.7 and 4.5.8 to note that the materials requiring remediation (including fill) have been removed from the Site as part of the remediation works undertaken in 2023.	Addressed			05-Jun-24	Closed

45	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	Confirm concentrations of TRH observed at SS04 and confirm if silica gel clean up was conducted? CLA notes this location is located adjacent to the north eastern site boundary	Silica gel clean up was not undertaken, and was not considered to be required in 2013 based on the lines of evidence discussed in this section (now Section 4.5.2.6). As requested the following sentence has been added. "Notwithstanding the above the soil material represented by sample location SS04 was removed as part of the remediation works undertaken in 2023 (refer to Section	Addressed			05-Jun-24	Closed
46	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	<i>"Fill containing anthropogenic materials which pose physical hazards (sharp and angular) have been observed on the site and are considered to be unsuitable for use in a park/open space and should also be removed from the Site where there is a likelihood that future users of the Site may come into contact with these materials".</i> Please ensure this comment is closed out / confirm this management action was implemented	Reference to these materials has been included in the following: * Section 4.5.2.6 * text description in Pre-remediation CSM in Section 4.6, tabulated CSM in Section 4.6.1 and illustrative CSM in Figure 15, Appendix A * removal fo these materials in association with the removal of fill materials in Section 6.9.3.4	Noted. It is recommended that the SQP also make reference to aesthetic requirements in NEPM	Please refer to amendments to Section 4.5.2.7 and Section 6.9.3.4	Addressed	30-Jul-24	Closed
47	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	EILs - was site specific criteria applied? Please include calculations in an appendix	To respond to comment 37 the report on the Supplementary Investigation has been included as Appendix L.2. The derivation of investigation criteria including the EILs have been included in Section 3.4.5.	Section 3.4.5 <i>"which do not have an investigation in the level"</i> . Please check for sense and clarity	Refer to amendment to Section 3.4.5	Addressed	30-Jul-24	Closed
48	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.0 Summary of Contamination	First time application of termiticides have been mentioned in the CLID-VR	The application of termite barrier / termiticides is as source of OCP contamination was described in Section 1, Section 3 and Section 4 of the previous version of the CLID. Section 1 has been amended to state "OCPs are associated with historical application of termite barriers using termiticides around buildings,.". As similar sentence has been added to Section 4.5.2.1. The phrase "termite barriers" has been added to sentences using the word termiticides in the pre-remediation CSM included in Section 4.6.	Addressed			05-Jun-24	Closed
49	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.2 Groundwater	<i>"A groundwater monitoring well was installed in the north western corner of the Site to 6 m bgs (refer to MW01 in Figure 2, Appendix A) in the Supplementary Investigation (refer to Appendix K). Groundwater was not intersected and is likely to be at a depth greater than 30 m bgs."</i> How was the determination made that groundwater is >30 m bgs? I note that that the RAP states that "no groundwater was encountered in the monitoring well when it was gauged approximately one week later on the 24 November 2021". Were there any further attempts to gauge the well? A discrepancy of gauging event was previously identified by the CLA - has this been rectified? Have seasonal variations been considered? Some reference documents for Coffey consideration: https://eisdocs.dsdlp.qld.gov.au/Completed%20Projects/Cross%20River%20Rail/EIS/EIS%2030%20Aug%202011/01%20Volume%201/12%20Groundwater.pdf https://eisdocs.dsdlp.qld.gov.au/Completed%20Projects/Cross%20River%20Rail/EIS/EIS%2030%20Aug%202011/01%20Volume%201/07%20Soils%20Topography%20and%20Geomorphology.pdf https://eisdocs.dsdlp.qld.gov.au/Completed%20Projects/Cross%20River%20Rail/EIS/EIS%2030%20Aug%202011/03%20Volume%203/Technical%20Report%204%20Groundwater.pdf	Please refer to the amendments to Section 4.4.7 which now includes reference to relevant information from the Cross River Rail EIS, how groundwater at 30 m bgs was estimated from bore information, and provides further information on why a shallow groundwater bearing zone is unlikely. The requirement for further gauging of MW1 was not identified in the report of the Supplementary Investigation, and accordingly was not undertaken. The report on the Supplementary Investigation concluded that the risk to groundwater from OCPs on the Site was low based on the solubility/leachability (mobility) of these contaminants, and the absence of a shallow groundwater bearing zone. Please refer to the additional response to comment 50. TTC is not aware of an discrepancies in gauging events previously identified by the CLA. There was a comment from the Site Auditor on the RAP that the CLID needed to: - Provide details on aquifer types (unconfined, semi-confined, confined) and aquitards/aquicludes present - Provide details on current usage and likely resource potential TTC intend that Section 4.4.7 has resolved these comments.	Addressed			05-Jun-24	Closed
50	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	5.2 Groundwater	The 2023 approved form requires the SQP to consider groundwater for example, <i>"Confirm that the CLID addresses referenced sections of the NEPM Schedules B1, B2, B3 and B6...."</i> <i>For the CLID to be in the approved form, the sampling program must have collected sufficient data to establish the nature and vertical and lateral extent of contamination in all relevant media. Where mobility of a contaminant is an issue, properties such as contaminant leachability and groundwater and soil vapour flow direction must be assessed."</i> It is noted that Section 8.1, Schedule B2 of the NEPM discusses the groundwater investigation which is not detailed in the CLID. It is expected the SQP justify within the CLID the target depth of 6m for the single groundwater well, and the location in the NW corner of the site (which deviates from the proposed location proposed via email correspondence to the CLA).	The location/depth of MW01 in the north west corner of the Site was communicated to the Site Auditor on the 15/11/2021 in an email, and the Site Auditor responded to this email on the same day. This email was submitted as an addendum to the SAQP and for clarity the email/response has been included in Appendix L.1. Please refer to Section 3.4.3 which describes the rationale for the monitoring well in the north western corner, and the depth of the monitoring well. Groundwater on the Site is discussed further in Section 4.4.4 including a discussion on the likelihood of a shallow groundwater bearing zone. Risk to groundwater is discussed further in Section 4.5.3. The following text has been included in this section. "A groundwater monitoring well was installed in the north western corner of the Site to 6 m bgs (refer to MW01 in Figure 2, Appendix A) in the Supplementary Investigation (refer to Section 3.4). Groundwater was not intersected and is likely to be at a depth greater than 20 m bgs (refer to Section 4.4.7). Risk to groundwater receptors was considered to be low based on the following lines of evidence: •OCP contaminants on the site strongly absorb to soils and have low solubility/leachability. This is demonstrated by elevated concentrations of OCPs being reported in the upper soil materials (<0.2 m bgs) where the termiticides were historically applied, and substantially lower concentrations in deeper soil materials (>0.2 m bgs) which provides an additional line of evidence to support the conclusion the OCPs have low leachability/solubility on the Site. The risk of these contaminants leaching to underlying groundwater is therefore considered to be low. •No shallow water bearing zone has been identified	The email correspondence that the groundwater well was to be preferably installed near BH19 (west of the accommodation building) or BH14 (between the accommodation building and the main hall building) subject to accessibility. MW01 is located further north of these locations and was considered hydraulically downgradient of "OCP source areas". The CLA notes that "OCP source areas" is only mentioned once in Section 3.4.3. Please identify where specifically these source areas are or revise to align to information provided in other report sections			05-Jun-24	Closed

51	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	6.0 Pre-Remediation Conceptual Site Model	<i>"Contamination present in soil and other environmental media as a result of the primary source is considered as a secondary source of contamination."</i>	Reference to other environmental media is to removed from the pre-remediation CSM which is now included in Section 4.6.	Please specify what other environmental media is in reference to. Surface water? Groundwater?	Reference to 'and other environmental media has been removed'.	Removed	30-Jul-24	Closed
52	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	6.0 Pre-Remediation Conceptual Site Model	<i>What other environmental media?</i> Has leachability testing been completed? Please supply the results in Appendix C	TCLP leachability data has been included in Appendix C.7.2 and is referenced in Section 3.4.7 and the second paragraph of Section 4.5.	Please provide further information on which samples were analysed, what the lithology was at each location and why specifically those samples were selected	Refer to amendments to Section 3.3.2 and Table 3-11 in Section 3.4.6	Addressed	30-Jul-24	Closed
53	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	6.0 Pre-Remediation Conceptual Site Model	It is expected that Source / Pathway / Receptor sections are included with written explanation, which are then summarised in the table. A CSM figure would be helpful	The pre-remediation CSM presented in Section 4.6 (formerly section 6) included a written explanation and then a table. A CSM figure has been included as Figure 15, Appendix A.	Addressed	Assume the status of this comment is meant to be closed.	Correct. This comment is now closed	30-Jul-24	Closed
54	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	6.0 Pre-Remediation Conceptual Site Model	The discussion of groundwater applicability must be presented in a 'pathways' section.	Additional information to been added to the pre-remediation CSM (now in Section 4.6) text description of the groundwater pathway. This draws information included in Section 4.4.7 and 4.5.3.	Addressed	Assume the status of this comment is meant to be closed.	Correct. This comment is now closed	30-Jul-24	Closed
55	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	6.0 Pre-Remediation Conceptual Site Model	Note 2 missing from the table. Typos in table	Note 2 has been added to the table. Typos have been amended (references to notes and the Property has been change to the Site.	Addressed	Assume the status of this comment is meant to be closed.	Correct. This comment is now closed	30-Jul-24	Closed
56	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	7.3 Remediation Criteria	Is it a coincidence that elevated arsenic is noted at locations directly adjacent to locations "SLAG1" and "SLAG2"?	<p>The maximum concentration of arsenic reported in previous investigations is 32 mg/kg at SS01 which was located in the middle of the Main Hall Building, and not near Slag 1 or Slag 2 sample locations. All samples had concentrations of arsenic well below the NEPM HIL-A / EIL guidelines (100 mg/kg) and no samples reported elevated concentrations of arsenic which would indicate that arsenic was historically used as a termiticide.</p> <p>Slag 1 and Slag 2 samples reported non-detectable concentrations of arsenic. The nearest sample locations to Slag 1 (6 and HA02) reported a maximum arsenic concentration of 14 mg/kg. The nearest sample locations to Slag 2 (7 and HA03) reported a maximum arsenic concentration of 20 mg/kg.</p> <p>Additional information has been added to the CLID to confirm that arsenic is not a contaminant of concern associated with the use of termiticides on the Site. Refer to Section 4.5.2.5 and 4.2.10.</p>	<p>Please ensure this information is clearly articulated in the report. The CLA notes that slag was also identified at SA08/A08 (west of SS01) and in locations to the south including SA05/05 and SA06/A06 and metals were not analysed at these locations.</p> <p>Please identify the above and the SQP's response in the report, noting that this material has since been removed and that validation sampling has been conducted in this general area</p>	<p>Additional information has been added to Section 3.4.7 to clarify sampling locations where slag type material was observed and which samples were analysed for metals.</p> <p>The following statement has been added to Section 3.4.7 "All fill materials including fill with ash and/or slag type material was removed during remediation of the Site (refer to Section 6).". Similar statements were also included in Section 4.5.2.1, 4.5.2.2, 4.5.2.7, 4.5.8 and Section 6 to note that the materials requiring remediation (including fill) have been removed from the Site as part of the remediation works undertaken in 2023.</p>	Addressed Addressed	30-Jul-24	Closed
57	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	7.3 Remediation Criteria	What does TTC mean?	Tetra Tech Coffey. Abbreviation is now included Section 1 and the ACRONYMS/ABBREVIATIONS table.	Addressed			05-Jun-24	Closed
58	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.2 Summary of Remedial Works	Ektimo should be identified in Section 8.1	Ektimo has been added to Section 6.1 (former 8.1) in Table 6.1.	Addressed			05-Jun-24	Closed
59				8.3 Inspections During Remediation	Table - from 4/12/23 onwards does not reflect site works eg <i>"During the inspection it was agreed that further excavation was to take place along the full extent of the western boundary (approximately 0.3 m in width and 0.1 m deep) and there was not a requirement to undertake further excavation in service trenches where asbestos had been reported"</i> . Further detail on additional remediation works is required. Further remediation works were on the northern not western boundary	Please refer to the amendments to 4/12/23 to clarify that the excavation took place along the northern boundary.	Noted that this information has been amended. It is recommended that the below information is removed and that the SQP instead cross references to the section in the report where discussion of the modified remediation criteria / statistical assessment is provided in more detail to determine the appropriateness (or otherwise) of this approach <i>"In the meeting the exceedance of Arsenic in the limited number of sample locations along the eastern boundary was discussed. It was agreed that it was not practicable to undertake further excavations along this boundary and a combination of a modified remediation criteria and statistical assessment of data was to be used to assessed risk from these exceedances. Service trenches where asbestos had been reported were also discussed."</i>	The entry for the 4/12/23 in Table 6-2 for the has been modified as follows: <i>In the meeting the exceedance of Arsenic in the limited number of sample locations along the eastern boundary was discussed. It was discussed that it was not practicable to undertake further excavations along this boundary. It was discussed that a combination of a modified remediation criteria and statistical assessment of data could be considered to assess risk from these exceedances. Refer to Section 5.4 and Appendix J.1 for further information on the modification of the arsenic criteria and the statistical assessment undertaken.</i>	Addressed	30-Jul-24	Closed

60	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.7 Disposal of Excavated Materials	Were soils transported directly off-site or temporarily stockpiled on site? Details of soil movement and tracking have not been presented	Soil materials were not stockpiled and were loaded directly into skips for off-site disposal. The following sentence has been included in Section 6.5 "Excavated materials were not stockpiled on the Site and were placed directly into skip bins and covered. Photographs of covered skip bins are provided in Section 6.7." The following sentence was previously included in Section 6.7 (formerly 8.7). " Excavated materials were placed directly into skip bins and covered." and has been amended to state " Excavated materials were not stockpiled and were placed directly into skip bins and covered." Tracking records from EPS are to be included in Appendix H.2 (once updated tracking records are provided by EPS).	Addressed, subject to the receipt of EPS tracking records	Please refer to amendments to Section 6.7 and Waste Tracking Records included in Appendix H.2.	Addressed	30-Jul-24	Closed
61	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.7 Disposal of Excavated Materials	Ensure additional information by EPS (as noted to be provided in the final CLID-VR) is included. I would also like the details of the permit versus the actual disposal volume is more clearly articulated in the report as it is currently difficult to follow. It is noted that a bulking factor of 1.5 has been applied and that volumes exceed the waste levy exemption of 910 tonnes	EPS advised there was an administrative error; this is being correct with the BMI Group and DES. This section (now 6.7) will be updated once this information has been completed.	To be addressed	Please refer to amendments to Section 6.7.	Addressed	30-Jul-24	Closed
62	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.8 Imported Materials	Paragraph under Table 8-6. Worth identifying that results were below the adopted investigation levels / remediation criteria - is there a difference in these criteria? Photos of this material would be beneficial	Validation results for imported materials were previously presented in Section 8.9.4, and are not included in Section 6.9.6. Please note that additional validation data has now been included for Cr VI and is discussed in this Section.	The discussion of the adopted guideline criteria in terms of the current and previous investigations is difficult to follow. The CLA recommends that the SQP adopt the most conservative criteria for each analyte and refer to the "remediation criteria" or similar to avoid confusion / clearer comparison can be made. Please note that aesthetic considerations as per NEPM should also be added to this section	Please refer to Section 6.8 and Section 6.9.5. The analytical results for imported materials were compared to the remediation criteria in Appendix C.3.1 and Appendix C.3.2. A section on aesthetic considerations has been added to Section 6.8.	Addressed	30-Jul-24	Closed
63	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.9.1 Overview	Table 8.7 - Please add suffix used in Sample IDs in the analytical tables (Appendix C)	The suffix described in the Table 6.7 (former Table 6.7) were included in the Sample IDs in the validation samples included in Appendix C.1.1, C.1.2. Columns were also included in Appendix C to include a description of the sample location (e.g. wall or floor) and the material sampled (e.g. Ash Fill, natural ground, etc.) which relate back to the suffix.	Addressed			05-Jun-24	Closed
64	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.9.2 Final Validation Sample Results	Lead - why was HSB04_F_231016 collected if it was not within a road reserve and not within site?	HSB04 was collected from the wall of the excavation as required in the RAP. The excavation boundary along the western side extended approximately 0.5 m beyond the site boundary into the BCC road reserved. HSB04 was therefore collected from the wall of the excavation in the BCC road reserve. The following paragraph was previously included in Section 8.9.2 (now Section 6.9.3.2). <i>Lead</i> <i>Lead exceeded the remediation criteria in one sample (HSB04_F_231016) with a concentration of 370 mg/kg. This sample was collected from fill material west of the western boundary of the Site within the BCC road reserve (and therefore not within the boundary of the Site).</i> The following sentence has been added to this paragraph. <i>"The result from this sample is not considered to be a risk to future users of the Site noting</i>	Noted. This has now been clearly articulated			05-Jun-24	Closed
65	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.9.2 Final Validation Sample Results	ASLP - first time used. The assessment of leachable analysis should be provided in this CLID-VR	The assessment of leachability of arsenic was discussed in Section 6.9.3 (formerly 8.9.2) and Appendix J (now J.1). Sufficient information is considered to have been provided to address the boundary exceedence in relation to arsenic.	The CLA notes that although this comment isn't fully addressed, both HSB02 and HSB03 are located within the BCC road reserve and beyond (approximately 0.5 m) the western boundary of the site. This is articulated elsewhere in the report but should also be added to this section (Section 6.9.3.2) and for any other similar occurrences	HSB02 and HSB03 did not have analytes which exceeded the remediation criteria. HSB04 exceeded the remediation criteria for lead was discussed in Section 6.9.3.2. An additional footnote has been added to 6.9.3.2 to clarify that HSB01 to HSB08 were collected in the BCC road reserve, and an additional comment has been added to Table 6-9 in Section 6.9.1.		05-Jun-24	Closed
66	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.9.2 Final Validation Sample Results	Please provide all statistical analysis in an appendix	Statistical analysis in relation to arsenic was included in Appendix J (now appendix J.1). Appendix J is referred to correctly in Setion 7.3 (now Section 5.4) and incorrectly referenced in Section 8.9.2 (now Section 6.9.3). The reference to Appendix K has been changed to Appendix J.1.	Addressed			05-Jun-24	Closed
67	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	2.0 Technical Framework	Section 8.9.2.3 is unclear. The asbestos samples identified in the bullet points are understood to be either offsite (HS10) or were further excavated (T02, T04 and T05). Samples T02, T04 and T05 were discussed in a site meeting on 4/12/23 and further excavation agreed. It is noted an email was provided by Coffey stating TS02_B, TS04_W1 had exceedances for asbestos however, these locations were not presented on the figure 7 provided in the email and assumed to be T02 and T04, which were part of the northern boundary remediation. This further remediation is briefly mentioned in Section 8.3 to have occurred 13/14 December 2023. Please clarify.	Please refer to the amendments to 6.9.3.3 (formerly 8.9.2.3) and the supporting Appendix J.2.	Should this be referring to Figure 7 instead of Figure 8? The sample IDs don't appear to match - noting these exceedances were observed at T02_B, T04_W1 and T-5_B. It's still unclear what the source of these detections are? Is it possible this is a result of cross contamination?	Refer to amendments to Section 6.9.3.3 and the added comment to Table 6-9 in Section 6.9.1 which states <i>"At each trench sampling site in the trench samples were collected from bottom of the trench (denoted by a suffix '_B' in the Sample ID) and the side walls of the trench (denoted by a suffix '_W' in the Sample ID). Sample sites in Figure 7 represent where these samples were collected. For example at sample site T04 in Figure 7 this location represents where the following samples were collected: T07_B, T07_W1, and T07_W2"</i>	Noted	30-Jul-24	Closed
68	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.9.2 Final Validation Sample Results	"In summary based on the final validation results the remedial objectives and remediation criteria are considered to have been achieved, and the Site can be considered to be suitable for any use." Consider rephrasing for clarity	The sentence in 8.9.2 (now 6.9.3.5) has been amended as follows "In summary based on the final validation results, the remedial objectives and remediation criteria are considered to have been achieved, and the Site is considered to be suitable for unrestricted land use."	Addressed			05-Jun-24	Closed

69	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	8.10 Quality Assurance and Quality Control	This section needs to be further assessed to confirm reliability of field procedures and analytical results comply with DQO requirements detailed in NEPM, namely precision, accuracy, representativeness, completeness and comparability.	The assessment referred to in the comment was periously provided in Appendix F and Appendix G. QAQC tables were provided in Appendix G.	Addressed			05-Jun-24	Closed
70				9.0 CONCEPTUAL SITE MODEL POST-REMEDIATION	The pre remediation CSM must be updated and is expected to be provided in a tabulated format	Please refer to the amendments to Section 7 (former Section 9)	Addressed			05-Jun-24	Closed
71	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	2. IMPORTANT INFORMATION ABOUT Coffey TETRA TECH COFFEY REPORT	Noting this section is currently blank	Please refer to the 'Statement of Limitations' included in the Site Auditor Package.	Addressed			05-Jun-24	Closed
72	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX A: FIGURES	General comment - consider rephrasing notes in figures relating to demolition. For example, Figure 2 states "the site is currently undergoing demolition and areas sealed with concrete is subject to change". Demolition has now been complete and Figures should be updated to avoid confusion	A note has been added to Figure 2 and Figure 3 to clarify the aerial photopgrah is of the Site pre-demolition and pre-remediation.	Addressed			05-Jun-24	Closed
73	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX A: FIGURES	Figure 2 - no legend descriptions for locations labelled red	Please refer to amendments to Figure 2 and Figure 3. Samples labelled red have been recoloured.	Addressed			05-Jun-24	Closed
74	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX A: FIGURES	Figure 3 looks similar to Figure 2 - should Figure 3 only capture locations where exceedances were identified? Suggest Coffey rename the figure "Exceedances of the Adopted Investigation Levels and Fill Depth" or similar	Tetra Tech Coffey preference is to not amend the figure as it shows fill depths in locations which may or not have an exceedence, and is consistent with figures previous included in the RAP and Supplementary Investigation. The title of the Figure "Summary of Human Heath Exceedences and Ffill Depth" is considered to be appropriate.	Noted, however, the CLA notes HIL-A, HIL-C and HIL_D are applied. See Comment #62	Reference to HIL-C and HIL-D have been removed from Figure 3, and accordingly have also been removed from the Summary of Contamination in Section 4.5. Reference to HIL-C has been removed from the previous investigation data table in Appendix C.7.1	Addressed	30-Jul-24	Closed
75	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX A: FIGURES	Figure 4B: "materials to be recovered at the BMI Group Redbank Resource Recovery Facility" - for what purpose? Reuse by the landfill? If so, consider whether Figure 4 is actually required. If it is to be retained please confirm if excavation at Area 4A and 4B were actually required. It maybe useful to include a cross section (or incorporate with the graphical CSM)	Figure 4A and Figure 4B are required to address comment 36. Reference to the redbank resource recovery facility have been removed. Please refer to additional note included in the Figure. Please refer to graphical CSM included in Figure 15.	Addressed			05-Jun-24	Closed
76	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX A: FIGURES	Figure 7: Estimated dimensions of trenches required (length, width, depth)	Need to get information from EPS	To be addressed	Refer to amendments to Section 4.2.8, Appendix K.15, and Figure 12 Appendix A.	Addressed	30-Jul-24	Closed
77	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	General Comment	Provide comment on topography change and stormwater drainage, if any, post remediation	Please refer to Section 6.6.2	Addressed			05-Jun-24	Closed
78	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX C: DATA TABLES	Please include sample depth	Sample depth is included in Appendix C.1 and C.2. Logs of material samples are included in the Appendix B.	Addressed			05-Jun-24	Closed
79	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX C: DATA TABLES	A QA/QC of analytical data has not yet been completed. This is to be undertaken by the CLA in the future	QA/QC tables and an assessment of this data was provided in Appendix G.	Noted. The CLA requests this information is provided as a pdf and the excel is formatted for CLID inclusion. This will enable a more efficient review of the analytical data			05-Jun-24	Closed
80	LC (Epic)	Rev B, 22/04/2024	29-Feb-24	APPENDIX D: PHOTOGRAPHS	It would be beneficial to provide photos for general site condition pre and post remediation	Photographs have been included in Appendix D.3 and are referred to at the end of Section 6.2.	Addressed			05-Jun-24	Closed
81	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	1.0 Introduction	-	-	Please identify that DES are now DESI	Amended throughout report.	Addressed	30-Jul-24	Closed
82	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	General Comment	-	-	Please check Appendix references throughout the document. There are appear to be numerous incorrect references specifically relating to appendices references	Appendix references have been checked	Noted	30-Jul-24	Closed
83	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	General Comment	-	-	Consider removing references to use of future use of the site as a park/open space. The objective is to remove the site from the EMR and make it suitable for unrestricted use - notable occurrence in Section 6.9.3.4 but please check for other occurrences	Reference to future landuse has been removed from Table 4-1, Section 5.1 and Section 6.9.3.4.	Noted	30-Jul-24	Closed
84	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	1.0 Introduction	-	-	Reference to Site Auditor but referred to as Contaminated Land Auditor elsewhere - please rectify	Document has been amended to change Contaminated Land Auditor to Site Auditor.	Addressed	30-Jul-24	Closed
85	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.1.2 Scope of Works	-	-	Please confirm sample depth of SS01 to SS04	Sample depths were included in Appendix C.7.1. An additional note has been added to Table 3-1 in Section 3.1.2	Addressed	30-Jul-24	Closed
86	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.1.2 Scope of Works	-	-	Please provide more information relating to the "salt accumulation beneath the southern building" identified in Table 3-1 including the extent of the salt identified and information regarding the source. Please identify in the report if salt was identified in any subsequent investigations or locations	Refer to added footnote referred to in Table 3-1.	Addressed	30-Jul-24	Closed
87	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.1.3 Key Findings	-	-	Site Walkover: Please identify the "front vegetated area" in a figure (bullet 1) and provide a lot description for the "neighbouring property" (bullet 4)	Refer to added footnote to Section 3.1.3 (first dot point in Site Walkover). The approximate location of the front vegetated area has been added to Figure 3, Appendix A. The lot description of the neighbouring property has been added to 4th dot point under the sub-heading site walkover. The location of the Orchid Shade House has been added to the 2016 aerial image in Appendix K.2.	Addressed	30-Jul-24	Closed
88	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3. PREVIOUS INVESTIGATIONS	-	-	Please update referenced guidelines to current guidelines not the ones that were relevant at the time of previous investigations (e.g. NEPM 2013 and WA guidelines). Please apply this comment to all of Section 3	As discussed in the meeting on the 25/6 Tetra Tech Coffey prepared a summary of the investigations as requested by Site Auditor under Comment 5. Tetra Tech Coffey have summarised the guidelines used in the previous investigations in Section 3 and consider it appropriate that these summaries refer to the guidelines which were used in each investigation as record of the investigation undertaken and noting that the Site Auditor's preference is not to append the reports to the CLID. Section 4.5 collates information from all previous investigations and compares the data to current guidelines. This summary of all previous investigation data and comparision to current guidelines was also included in the Supplementary Investigation and RAP. No further change is considered necessary. The following sentence has been added to the start Section 3. "A collated summary of previous investigation data including a comparison to current guidelines (investigation levels described in Section 3.4.5) is provided in Section 4.5."		30-Jul-24	Closed
89	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3. PREVIOUS INVESTIGATIONS	-	-	Please reference all sample locations applicable for each investigation and associated exceedances e.g. instead of "field screening of ten locations for the presence of ACM" - identify sample IDs. Please apply this comment to all of Section 3	As discussed in the meeting on the 25/6 Section 3 is intended to be a summary of previous investigations. Samples with exceedences have been discussed in detail in Section 4.5, shown in Figure 3, Appendix 1, and tabulated in Appendix C.7.2. It is considered uncessary to further duplicate this information in Section 3.		30-Jul-24	Closed
90	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Bullet 6: The section title indicates this is a Phase 2 Contaminated Land Assessment not a site investigation report	Please refer to amendments to the dot point for clarity.	Addressed	30-Jul-24	Closed

91	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Please review and update sample location ID, specifically HA06, HA07 and HA08 to HA06/SA11, HA07/SA12 and HA08/SA13 as indicated in Figure 2	Refer to amendments to Table 3-3	Addressed	30-Jul-24	Closed
92	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	The report doesn't refer to SG01 and SG02 as indicated in Figure 2	SG01 and SG02 appear to have been included as an error in the figure in the 2013 report and have been removed from Figure 2, Appendix A. No analytical data or logs are associated with these sample locations.	Addressed	30-Jul-24	Closed
93	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Table 3-4: AS4482.1-2005 - first time used	Refer to amendments to Table 3-4	Addressed	30-Jul-24	Closed
94	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Table 3-4 "Analytical suite": identify which samples were analysed for OCPS and metals and which for asbestos	Refer to amendments to Table 3-4	Addressed	30-Jul-24	Closed
95	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.3.2 Scope of Works	-	-	Confirm where the 5 locations are on a figure i.e., sample numbers 6P, 7P, 9P, 13P and 14P	Refer to amendments to Section 3.3.2 and Figure 2 and Figure 3 Appendix A	Tiny error - there's an extra 6P south of the southern boundary that needs to be removed	30-Jul-24	Open
96	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.3.2 Scope of Works	-	-	Bullet 2, sub-bullet 3. Some sample numbers appear to be missed from Figure 2 - 32, 34 and 36 were only identified	Bullet 3 was repeated from the 2019 Investigation report. Bullet 3 has been amended to stated that 3 locations were also collected for delineation purposes including 32, 34 and 36. It has been assumed that this was the purpose of these samples.	Noted	30-Jul-24	Closed
97	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.3.2 Scope of Works	-	-	Bullet 3, sub-bullet 2. confirm what field observations this is in reference to	Reference to field observations has been removed. Field observations relating to samples 32, 34 and 36 were not included in the 2019 report.	Noted	30-Jul-24	Closed
98	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.3.3 Key Findings	-	-	Table 4-5 "Analytical Suite" - why wasn't asbestos identified?	Tetra Tech Coffey has assumed that is comment relates to Section 3.3.3 and not Table 4-5 in Section 4.5.2. Asbestos was not analysed in samples collected in the 2019 investigation and hence was not included in the findings in Section 3.3.3.	Noted	30-Jul-24	Closed
99	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.3.3 Key Findings	-	-	Confirm which samples contained slag	Refer to response to comment 56	Addressed	30-Jul-24	Closed
100	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.4.5 Investigation Criteria used in Supplementary Investigation	-	-	Protection of human health: PCOC - first time used	Amended to Contaminant of Potential Concern (COPC)	Addressed	30-Jul-24	Closed
101	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.4.5 Investigation Criteria used in Supplementary Investigation	-	-	In the report, please identify why hydrocarbons were selected for analysis	Hydrocarbons were not analysed in the Supplementary Investigation, and were not required to be analysed as per the SAQP agreed with the Site Auditor. Assessment criteria for hydrocarbons were defined in the Supplementary Investigation so the results from the 2013 PSI could be compared to contemporary guidelines.	Noted	30-Jul-24	Closed
102	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.4.6 Scope of Works	-	-	Table 3-10 - purpose for BH16 to BH17 appears to be incorrect	Refer to amendment to Table 3-10	Addressed	30-Jul-24	Closed
103	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.4.6 Scope of Works	-	-	In the report, please identify why mercury was excluded from analysis	Analysis for mercury was undertaken. Refer to amendment to Table 3-11	Addressed	30-Jul-24	Closed
104	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	3.4.7 Key Findings	-	-	Bullet 7, first time in report that ash is mentioned	Materials containing ash and/or slag type material were described in the Supplementary Investigation. The term ash was not used in previous investigations. Refer to added footnote.	Addressed	30-Jul-24	Closed
105	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.1 Site Identification	-	-	Table 4-1, refer to previous comment about DES records. The records provided do not fully support the information captured in "date property was listed on the EMR" as information was redacted	Refer to response to comment 12	Addressed	30-Jul-24	Closed
106	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.1 Historical Title Information / Previous Owners and Occupiers	-	-	Add lease details provided in current title	The lease referred to in Table 4-2, Section 4.2.1 does not apply to the current title. The Site is owned by the Repatriation Commission (refer to Table 4-1).	Noted	30-Jul-24	Closed
107	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.2 Historical Aerial Imagery	-	-	Add information from the 1941 aerial also provided in the Lot Search Records	Refer to amendments to Section 4.2.2	Addressed	30-Jul-24	Closed
108	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.3 Historical Maps	-	-	What is the business identified in 1948 at Lot 118 RP46047. It appears this may have been a newsagent and later a café?	The business identified in the historical 1948 map is not described in the lot search report. The historical business records identify a 'Casket Agency' (i.e. for lotto/gambling) at this location in 1961. This location is located down-gradient of the Site, and is not considered relevant to the Site.	Noted	30-Jul-24	Closed
109	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.4 Historical Land Use	-	-	Confirm who was interviewed if known or if this information was not recorded	The name of the person interviewed has been included in Section 3.1.3 and Section 4.2.4	Noted	30-Jul-24	Closed
110	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.4 Historical Land Use	-	-	Why does this section make reference to 2013 e.g., "no building fires occurred on the Site after 2013"	Please refer to amendments. The sentence was added to note that post completion of the PSI (i.e. between 2013 and 2023) no building fires occurred. The statement included in Section 4.2.9 is made in support of statements made elsewhere in the report regarding the use of PFAS.	Addressed	30-Jul-24	Closed
111	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.7 Building Structures	-	-	"Asbestos was also found in some of the paints used on the Site". Can TTC please clarify what this means?	As discussed in the meeting on the 25/6 some of the paints used on the buildings contained asbestos. The sentence has been amended to clarify these were paints used on buildings.	Addressed	30-Jul-24	Closed
112	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.2.7 Building Structures	-	-	Has TTC sighted and included the dockets associated with the ARMP disposal activities	As discussed in the meeting on the 25/6 the SQP was not engaged to be on-site during the demolition of buildings, and the demolition of buildings is outside the scope of the CLID. Tetra Tech Coffey has not sighted EPS dockets however EPS has advised that materials were disposed of appropriately.	Noted	30-Jul-24	Closed
113	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.4.1 Topography	-	-	The mapping provided indicates the site elevation is 20 m AHD, however, QLD Globe contours indicates 24-7 m AHD	The topographic map provided in Appendix K.8 shows the elevation of the Site as being between 20 and 30 m AHD. The contour map included in the lot search report in Appendix K.2 shows the elevation of the Site is approximately 25 m AHD. The Site being at approximately 25 m AHD is described in Section 4.4.1. QLD Globe 1m contour data is based on LIDAR which cannot penetrate the buildings which covered the majority of the Site. The accuracy of the QLD globe data cannot be verified and has not been included. Information presented in Section 4.4.1 including supporting figures is considered sufficient to describe topography on the Site and the	Noted	30-Jul-24	Closed
114	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.4.4 Local Geology	-	-	MW1 - this should be MW01?	Amended to MW01	Addressed	30-Jul-24	Closed
115	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.4.6 Soil Landscape	-	-	Is this information consistent with site observations?	Refer to added sentence to Section 4.4.6	Addressed	30-Jul-24	Closed
116	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.4.13 Regional Ecosystems	-	-	Confirm distance to Stephens Mountain and Glindemann Creek for context. Also in section 4.4.14	Refer to added footnotes to Section 4.4.2, 4.1.13, 4.4.14 and 4.4.16	Addressed	30-Jul-24	Closed
117	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.4.16 Environmental Values and Water Quality Objectives	-	-	Provide a copy of the 'Brisbane River Estuary - Environmental Values and Water Quality Objectives Basin No. 143' as an appendix	Added to Appendix K.18.	Addressed	30-Jul-24	Closed
118	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.4.16 Environmental Values and Water Quality Objectives	-	-	Note it is "freshwaters"	Amended	Addressed	30-Jul-24	Closed
119	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	4.5.2.2 Asbestos Containing Materials	-	-	Bullet 7, why is (15) in brackets?	Refer to added footnote.	Addressed	30-Jul-24	Closed
120	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	5.4 Remediation Criteria	-	-	Please add the information "modified criteria for arsenic" and "modified criteria for asbestos" into the report instead of as an appendix. In relation to asbestos, please add context as to what criteria has been modified - refer to text in Section 6.2	As discussed in the meeting on the 25/6 TetraTech Coffey preference is to retain this information in appendices noting it still forms part of the CLID.	Noted	30-Jul-24	Closed
121	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.1 Key Parties Involved in Remediation and Validation	-	-	Table 6-1: "Principal Contractor / Remediation Contractor", second bullet "Employment a Competent Person" - check for sense and clarity	Refer to amendment to Table 6-1	Addressed	30-Jul-24	Closed
122	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.1 Key Parties Involved in Remediation and Validation	-	-	Table 6-1 "Licensed Asbestos Assessor" - provide and append the clearnace inspections and clearance air monitoring	Record of air monitoring were included in Appendix I.2 and referred to in Section 6.4.2. Clearance certificates are included in Appendix K.20 and referred to in Table 6-1.	Please provide clarification / an explanation for "rejected" in terms of the airborne fibre monitoring (refer to pg 40 of Appendix I.2) and why the fibre count was "void" for inside excavator cabin (dust overload). Please confirm the data is reliable and representative of the site conditions	30-Jul-24	Open

123	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.2 Summary of Remedial Works	-	-	Bullet 9: Assume eurofins analysis included primary and intra-laboratory duplicate samples?	Refer to amendment.	Addressed	30-Jul-24	Closed
124	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.2 Summary of Remedial Works	-	-	Table 6-2: First time the "heritage fence" is mentioned. Please provide more details including how this was protected / worked around during remediation	Refer to added note to Table 6-2.	Addressed	30-Jul-24	Closed
125	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.8 Imported Materials	-	-	Table 6-7: add EMR site ID for Lot 2RP208504	EMR ID added to Table 6-7	Addressed	30-Jul-24	Closed
126	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.9.3.3 Asbestos	-	-	T02_B, T02_W1, T02_W2 and T04_W1 - please indicate on which figures these locations are depicted	Refer to amendments to Section 6.9.3.3 and the added comment to Table 6-9 in Section 6.9.1 which states "At each trench sampling site in the trench samples were collected from bottom of the trench (denoted by a suffix '_B' in the Sample ID) and the side walls of the trench (denoted by a suffix '_W' in the Sample ID). Sample sites in Figure 7 represent where these samples were collected. For example at sample site T04 in Figure 7 this location represents where the following samples were collected: T07_B, T07_W1, and T07_W2."	Addressed	30-Jul-24	Closed
127	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.9.5 Imported Materials	-	-	Was an assessment for assessment (visual and/or analytical) completed?	Reference to visual assessment of the imported material has been added to Section 6.8. Analytical data of the imported material was discussed in Section 6.9.5. 12 samples of imported materials were analysed. Analytical data was compared to the Remediation Criterial. All samples had analytes below the Remediation Criteria. Please refer to additional information included in Section 6.9.5.	Addressed	30-Jul-24	Closed
128	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	6.10 Quality Assurance and Quality Control	Provide a copy of the standard operating procedures mentioned in Section 6.10 as requested via email on 23/05/2024	-	Addressed			05-Jun-24	Closed
129	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	General comment	Provide batch 1029417 which is missing from the appendices as requested via email on 23/05/2024	-	Addressed			05-Jun-24	Closed
130	LC (Epic)	Rev D, 12/05/2024	5-Jun-24	General comment	-	-	Please add LAA as part of the technical support team and complete SQP declaration as part of CLID submission	As discussed in the meeting on the 25/6 the LAA was not part of the SQP Technical Support Team. The Tetra Tech Coffey technical reviewer of the asbestos assessment in the CLID will be added as a technical support member.	Noted	30-Jul-24	Closed
131	LC (Epic)	Rev E, 12/07/2024	30-Jul-24	General comment					Please include the following sections in the report: objectives, scope of work and reference section		Open

From: [Wicks, Jeremy](#)
To: [Diana Bedder](#)
Cc: [Binny, Dave](#); [Louise Cartwright](#)
Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E
Date: Tuesday, 27 August 2024 2:09:47 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)

Hi Dianna

CF01 to CF06 were collected from a stockpile of imported material. The samples were superseded by samples IF01 to IF06.

If needed I can show the approximate location of the stockpile/sample locations for CF01 to CF06 in Figure 10.

Best regards

Jeremy Wicks | Queensland Practice Leader Site Assessment and Remediation
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From: Diana Bedder <dbedder@epicenvironmental.com.au>
Sent: Tuesday, August 27, 2024 1:28 PM
To: Wicks, Jeremy <Jeremy.Wicks@tetrattech.com>; Louise Cartwright <lcartwright@epicenvironmental.com.au>
Cc: Binny, Dave <Dave.Binny@dva.gov.au>
Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E

Diana Bedder
Associate Environmental Scientist
Mobile: 0473 748 942

From: Wicks, Jeremy <Jeremy.Wicks@tetrattech.com>
Sent: Tuesday, August 27, 2024 10:48 AM
To: Diana Bedder <dbedder@epicenvironmental.com.au>; Louise Cartwright <lcartwright@epicenvironmental.com.au>
Cc: Binny, Dave <Dave.Binny@dva.gov.au>
Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E

Hi Dianna

I'm expecting to have the updated document back to you cob tomorrow (28/8).

Best regards

Jeremy Wicks | Queensland Practice Leader Site Assessment and Remediation
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From: Diana Bedder <dbedder@epicenvironmental.com.au>
Sent: Thursday, August 22, 2024 12:13 PM
To: Wicks, Jeremy <Jeremy.Wicks@tetrattech.com>; Louise Cartwright <lcartwright@epicenvironmental.com.au>
Cc: Binny, Dave <Dave.Binny@dva.gov.au>
Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E

As discussed, there are outstanding comments for you to address which are predominantly minor which were picked up while drafting the auditor report.

Can I ask you to please take a look and confirm when the updated report will be ready? Noting that I will be on leave for a week from 3 September. If you have capacity to submit it before Wednesday 28 September, that would be ideal.

Should you wish to discuss, please do not hesitate to contact Louise or I.

Kind Regards,

Diana Bedder
Associate Environmental Scientist
Mobile: 0473 748 942

From: Wicks, Jeremy <Jeremy.Wicks@tetrattech.com>
Sent: Tuesday, August 20, 2024 9:13 AM
To: Diana Bedder <dbedder@epicenvironmental.com.au>; Louise Cartwright <lcartwright@epicenvironmental.com.au>
Cc: Binny, Dave <Dave.Binny@dva.gov.au>
Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E

Hi Diana

Attached is a tracked change version of the document.

Best regards

Jeremy Wicks | Queensland Practice Leader Site Assessment and Remediation
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From: Diana Bedder <dbedder@epicenvironmental.com.au>
Sent: Wednesday, August 14, 2024 9:19 AM
To: Wicks, Jeremy <Jeremy.Wicks@tetrattech.com>; Louise Cartwright <lcartwright@epicenvironmental.com.au>
Cc: Binny, Dave <Dave.Binny@dva.gov.au>
Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E



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From: Diana Bedder <dbedder@epicenvironmental.com.au>

Sent: Tuesday, July 30, 2024 3:41 PM

To: Wicks, Jeremy <Jeremy.Wicks@tetrattech.com>; Louise Cartwright
<lcartwright@epicenvironmental.com.au>

Cc: Binny, Dave <Dave.Binny@dva.gov.au>

Subject: RE: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E

In the meeting I mentioned that I am the Contaminated Land Package Lead, on the Sydney Metro - Western Sydney Airport, Station Boxes and Tunnelling Project (Sydney Metro WSA SBT) and have been in this role since 2021 to the present.

In the CLID form I have added the following in the experience matrix, and added specific information on Aerotropolis. Aerotropolis was a former RAAF facility with asbestos impacted fill material. The remediation area was approximately 40 hectares in size. Remediation of Aerotropolis in regard to fill materials is analogous with what has been done at Greenslopes (i.e. required complete removal of an impacted domain (fill)).

As the Lead Investigator was responsible for the preparation of SAQP, DSIs, RAPs, Validation Reports (Aerotropolis), Management Plans, and Waste Classification Reports. The Aerotropolis Site required the completion of Detailed Site Investigation, Remediation Action Plan, Remediation and Validation. Aerotropolis required the remediation of a 40 hectare site (former Defence site) which was contaminated with fill materials containing asbestos (ACM, asbestos fine and friable asbestos) and areas of PFAS contamination. Remediation required excavation and off-site disposal of all fill materials in addition to PFAS areas which exceeded the remediation criteria. Validation of Aerotropolis was required to confirm that the impacted domain (fill materials) had been removed. The project was subject to review by NSW Accredited Site Auditor.

If helpful and I can provide a copy of the DSI, RAP and Validation Report for Aerotropolis.

Best regards

Jeremy Wicks | Queensland Practice Leader Site Assessment and Remediation
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From: Wicks, Jeremy <donotreply@tetrattech.com>

Sent: Friday, July 12, 2024 6:05 PM

To: lcartwright@epicenvironmental.com.au; dbedder@epicenvironmental.com.au; dave.binny@dva.gov.au

Subject: Tetra Tech MFT: DVA Greenslopes CLID Validation Report Rev E

Tetra Tech Managed File Transfer

New Secure File Package is Available to Download until **Saturday, 27 July**

Hi,

The amended CLID can be downloaded via this link. I will also be sending an email on the amended version submitted.

Best regards

Jeremy

This link will not work for anyone else. The secure file package is available until: **Saturday, 27 July**. After this date contact the sender.

Files attached to this message

Filename	Size
Package to Site Auditor.zip	211 MB

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Memo

To: Tetra Tech Coffey	From: Louise Cartwright	Attention: Jeremy Wicks
Email: Jeremy.Wicks@tetrattech.com		
Project No: BC200195.01	Date: 16 May 2024	
Subject: Validation Report – 51, 53 and 55 Headfort Street, Greenslopes Queensland, Rev D dated 12 May 2024		

Data Usability Summary Assessment

As part of the site audit, a data usability summary assessment was conducted on:

- Tetra Tech Coffey (TTC) (May 2024), Validation Report, 51, 53 and 55 Headfort Street, Greenslopes QLD.

TTC conducted field and laboratory quality assurance (QA) and quality control (QC) based on TTC's standard procedures and guidance documentation. Based on the assessment of the soil data collected, TTC concluded that:

In summary, TTC consider the data collated to support the validation assessment is reasonably accurate, comparable, precise, complete and representative in which to draw conclusions.

The TTC May 2024 data is summarised in the following tables:

- Table 1.1, field Quality Control (QAQC) summary
- Table 1.2, summary of field QAQC
- Table 1.3, summary of laboratory QAQC

Table B1.1 - QA Samples Summary

	Primary Samples	Intra-lab Duplicates ¹	Inter-lab Duplicates ¹	Trip Blank	Field Blank	Rinsate
Soil						
8 Metals ²	352	26	17	-	7	7
Hexavalent chromium	20	-	-	-	-	-
TRH/BTEXN ³	6	-	-	5	-	-
Polycyclic aromatic hydrocarbons (PAH)	31	-	-	-	-	-
Organochlorine pesticides (OCPs)	317	18	18	-	7	7

Notes: – = not applicable

1. Shows number of quality control samples analysed

2. Arsenic, cadmium, chromium, copper, lead, mercury, nickel, and zinc

3. Total recoverable hydrocarbons/benzene, toluene, ethylbenzene, xylene and naphthalene

Table B1.2 - Summary of field QA/QC

Parameter	Complies	Comments ¹
Precision		
Standard operating procedures (SOPs) appropriate and complied with SAQP	Yes	The sampling methods generally complied with industry standards and guidelines. The sampling and analysis was guided by the sampling and analysis quality plan (SAQP) and conducted in accordance with SOPs
Intra-laboratory duplicates	Partial	<p>≥ 5%.</p> <p>The majority of Relative Percentage Differences (RPDs) relating to the soil samples were within acceptable criteria, with the exception of concentrations in soil for arsenic, chromium, copper, lead, nickel, zinc, aldrin + dieldrin and chlordane. It is noted that this is likely resulting from soil heterogeneity in fill.</p> <p>No exceedances of the remediation criteria were noted for intra-laboratory samples</p>
Inter-laboratory duplicates	Partial	<p>≥ 5%.</p> <p>The majority of RPDs relating to the soil samples were within acceptable criteria, with the exception of concentrations in soil for Lead, Copper, Zinc, Mercury and PAH's and groundwater for Zinc, and TRH.</p> <p>No exceedances of the remediation criteria were noted for inter-laboratory samples</p>
Accuracy		
SOPs appropriate and complied with	Yes	The sampling methods generally complied with industry standards and guidelines. The sampling and analysis was guided by the SAQP and conducted in accordance with SOPs.
Representativeness		
Sample collection - preservation	Yes	All samples were collected directly into laboratory supplied jars/bottles with no headspace
Sample collection - sample splitting	Yes	-
Field equipment calibrated	N/A	No field equipment was used that required calibration
Decontamination procedures	Yes	The decontamination methods generally complied with industry standards and guidelines
Field blanks	Partial	<p>Required ≥ 1/field batch.</p> <p>Concentrations of zinc marginally above the limit of reporting (LOR) (5 µg/L) were detected in two field blank samples QC03- 230918 and QC06_FB at 6 µg/L and 8 µg/L respectively.</p>

Parameter	Complies	Comments ¹
Rinsate samples	Partial	<p>Required ≥ 1/day when using re-usable equipment.</p> <p>Concentrations of metals (chromium, copper, lead, nickel and/or zinc) were above the LOR in three rinsate samples; QC05_RB (16/10/2023), QC08_230921 (20/9/2023), QC13_230921 (21/9/2023) taken from a decontaminated geotechnical pick.</p> <p>The concentrations of the following metals were reported in the three rinsate samples:</p> <ul style="list-style-type: none"> Chromium (III+VI): 2 – 4 $\mu\text{g/L}$ Copper: 2 – 6 $\mu\text{g/L}$ Lead: 3 $\mu\text{g/L}$ Nickel: 4 – 10 $\mu\text{g/L}$ Zinc: 8 – 83 $\mu\text{g/L}$ <p>The SQP considered these detections to be potentially attributed to laboratory provided rinsate water and/or sample bottles or from materials which were not removed from the geotechnical pick during decontamination. Given the low concentrations detected, these detections are not considered to have affected the validity of the primary results</p>
Trip blanks	Yes	<p>≥ 1/field batch (volatiles),</p> <p>Trip blanks were submitted to the laboratory for analysis of metals/OCPs however the samples were analysed for TRH/BTEXN. Results were below the LOR for the trip blank samples.</p> <p>It is unclear why trip blanks were submitted for analysis considering TRH/BTEXN were not considered a CoPC.</p>
Trip spikes	N/A	No trip spikes were analysed, due to the non- volatile nature of the primary contaminants of concern
Comparability		
Consistent sampling staff	No	No information is included with respect to fieldwork staff. Sampling was viewed by the Auditor representative on two occasions
Consistent weather/field conditions	No	No information is included with respect to weather/field conditions
Completeness		
Sample logs and field data	Yes	Standard field sampling sheets were used during the investigation
Chain of Custody (COC)	Yes	-

¹. For QC samples, acceptance criteria shown. Acceptance criteria can vary based on analyte, statistical data and laboratory specific methods. Laboratory specified relates to detected concentrations based on LORs, e.g. result $< 10 \times \text{LOR}$ = no limit, $10 - 20 \times \text{LOR}$ = 0 - 50%, $> 20 \times \text{LOR}$ = 0 - 20%. See laboratory reports for specific details.

Notes:

For QC samples, specified frequency and acceptance criteria shown

RPD = relative percentage difference

$\mu\text{g/L}$ = microgram per litre

Table B1.3 - Summary of Laboratory QA/QC

Parameter	Complies	Comments ¹
Precision		
Laboratory duplicates	Partial	<p>≥ 10%, laboratory specified</p> <p>Laboratory duplicates exist in the following Work Orders:</p> <ul style="list-style-type: none"> 1025750 1028239 1029417 1036638 1039102 EB2334519
Accuracy		
Surrogate spikes	Partial	<p>≥ 70% - 130%</p> <p>Surrogate spikes exist in the following Work Orders:</p> <ul style="list-style-type: none"> 1024818 1027451 1028239 1029417 1035652 1036638 1039102 1055969 EB2328260
Matrix spikes	Partial	<p>≥ 70% - 130%</p> <p>Matrix spikes exist in the following Work Orders:</p> <ul style="list-style-type: none"> 1027451 1036638 EB2332532 EB2328260 EB2330054 EB2332532
Laboratory control samples (LCSs)	Yes	<p>≥ 1/lab batch, 70% - 130%</p> <p>LCS outliers exist in the following Work Orders:</p> <ul style="list-style-type: none"> EB2328260 EB2328861 EB2340686
Certified reference material (CRM)	N/A	-
Representativeness		
Sample condition	Yes	-
Holding times	Partial	One breach of holding times on Batch 1055969 by 1-day for OCPs and PAHs.
Laboratory blanks	Yes	≥ 1/lab batch, < LORs.
Comparability		
NATA accredited laboratory	Yes	Eurofins Environment Testing Australia Pty Ltd NATA accreditation number 1261. The secondary laboratory ALS Accreditation Number 825.
NEPM methods or similar	Yes	Eurofins and ALS follows methods in accordance with the requirements of NEPC (1999).

Parameter	Complies	Comments ¹
Limits of reporting (LORs) consistent and appropriate	Yes	Limit of reporting was acceptable
Completeness		
Sample receipt	Yes	-
Laboratory Reports	Yes	-

1. For QC samples, acceptance criteria shown. Acceptance criteria can vary based on analyte, statistical data and laboratory specific methods. Laboratory specified relates to detected concentrations based on LORs, e.g. result < 10 x LOR = no limit, 10 – 20 x LOR = 0 - 50%, > 20 x LOR = 0 - 20%. See laboratory reports for specific details.

Summary and Discussion

The following issues were identified with the data:

- Precision
 - Soil samples which exceeded the RPD criteria for metals and organo-chlorine pesticides are likely due to the heterogeneity and distribution within the soil matrix and is generally expected with non-homogenous fill material. Underlying natural soil which contains natural occurring metals may also exhibit natural variability.
 - This is not considered significant as the highest concentrations in both fill and natural material were less than the criteria.
- Accuracy
 - Surrogate spike outliers exist in nine work orders. Surrogate outliers have not been discussed in the report.
 - Matrix spike outliers exist in six work orders. Non-conformances are likely to be attributed to sample heterogeneity and were considered by the laboratories prior to the issuing of the laboratory reports.
 - Laboratory control samples exceeded in three work orders. Non-conformances are likely to be attributed to sample heterogeneity and were considered by the laboratories prior to the issuing of the laboratory reports.
- Representativeness
 - No outliers have been reported for QC samples collected to assist in the qualification of representativeness.
 - Rinsate samples exceeded the LOR for metals including chromium, copper, lead, nickel and/or zinc. Some of the field blanks analysed and potentially attributed to laboratory provided rinsate water and/or sample bottles. The detection of metals in these samples is potentially attributed to materials which were not removed from the pick and/or dust materials which settled on the pick after decontamination and prior to the collection of the rinsate sample. Non-detects were reported in all other rinsate samples indicating that the decontamination procedures were generally effective.
 - Field blank samples exceeded the LOR for zinc in two samples. The zinc concentrations detected are potentially associated with zinc in rinsate water and/or sample bottles supplied by the analytical laboratory. Contamination during sampling and/or transport to the laboratory is considered unlikely based on non-detects for other analytes (metals and OCPs). Zinc in validation samples was below the remediation criteria for the site.
- Comparability
 - The data is considered to be acceptable. NATA accredited laboratories were used and suitable LORs below the site criteria were used.
 - Limited information was provided regarding the experience level of sampling staff.
- Completeness
 - Laboratory and field documentation is considered to be complete.



Epic conclude that the data obtained within this investigation is of acceptable quality, and that majority of the issues within the data have been addressed.

1 BACKGROUND TO DATA USABILITY

1.1 INTRODUCTION

Information generated from environmental investigations requires some statement in regard to the usability of the data¹, and therefore quality assurance (QA) and quality control (QC) are an integral part of the analysis and interpretation of environmental data. QA/QC used in contaminated sites investigations is briefly reviewed in this section.

Quality assurance involves all of the actions, procedures, checks and decisions undertaken to ensure the representativeness and integrity of samples, and accuracy and reliability of analytical results (NEPC as amended 2013). Quality control is the component of QA which monitors and measures the effectiveness of other procedures by the comparison of these measures to previously decided objectives.

There are various components of QA/QC which address the operation of the laboratories and the routine procedures conducted to achieve a minimum level of quality. Examples of QA components include sample control, data transfer, instrument calibration, staff training, etc. Examples of QC components include the measurement of samples to assess the quality of reagents and standards, cleanliness of apparatus, accuracy and precision of methods and instruments, etc. Generally, the management of laboratory QA issues is addressed through accreditation by the National Association of Testing Authorities (NATA), or similar, and monitoring of these issues is not addressed on a project by project basis.

On a project specific basis, those involved in collecting, assessing or reviewing the relevant data should ensure the minimum level of QA is conducted. Appropriate numbers and types of QC samples should be collected and analysed, both field QC samples and laboratory QC samples. While minimum levels of QA/QC are specified in some guidelines, e.g. NSW EPA 1994, AS 4482.1-1997, NEPC as amended 2013, the minimum level required may vary between projects, based on site and project specific aspects. This means that the minimum specified requirements may not be sufficient for a particular project. As described in the NEPM (NEPC 1999):

As a general rule, the level of required QC is that which adequately measures the effects of all possible influences upon sample integrity, accuracy and precision, and is capable of predicting their variation with a high degree of confidence.

¹ To avoid confusion with the data quality objectives (DQOs) process, the term data usability is used rather than data quality

2 PARCC PARAMETERS

Following receipt of laboratory analytical results, data validation is conducted to determine if the specified acceptance criteria have been met. This is conducted to ensure that all data, and subsequent decisions based on that data, are technically sound. Data quality is typically discussed in terms of precision, accuracy, representativeness, comparability and completeness. These are referred to as the PARCC parameters². Field QA/QC and laboratory QC is described below within the PARCC framework.

2.1 PRECISION

2.1.1 Duplicates

Precision is a measure of the reproducibility of results under a given set of conditions and is assessed on the basis of agreement between a set of duplicate results obtained from duplicate analyses. The precision of a duplicate determination is measured by comparing the difference between the two samples to the average of the two samples, expressed as a relative percentage difference (RPD).

The determination is:

$$RPD = (P-D)/(P+D/2) \times 100$$

P = primary sample
D = duplicate sample

Three types of duplicates are commonly used:

- field duplicates are used to measure the precision of the sampling and analytical process;
- inter-laboratory duplicates are used to check on the analytical performance of the primary laboratory; and
- laboratory duplicates are used to measure the precision of the analytical process.

2.1.2 Field Duplicates

Field duplicates (or blind replicates) are collected from the same location and submitted to the laboratory for analyses, as a primary sample. The sample nomenclature is such that the laboratory is not aware which sample is a duplicate. The RPD is calculated to determine the degree of repeatability (precision) of results obtained from the duplicate analysis. Where results are below the practical quantification limit (PQLs) or limits of reporting (LORs), i.e. non-detects, RPDs cannot be calculated.

² The PARCC parameters are sometimes referred to as data quality indicators (DQIs).

Where one result is detected, the results are considered to conform when the detected result is less than five times the PQL/LOR.

The PQL/LOR is the lowest concentration of an analyte that can be determined with acceptable precision (repeatability) and accuracy under the test conditions. The PQL/LOR is usually calculated as five times the lower limit of detection (or method detection limit). However, adjustments in PQLs/LORs may be required due to interference from high contaminant concentrations.

As environmental samples can exhibit a high degree of heterogeneity, field duplicates often exceed the acceptance criterion, particularly if the samples are co-collected, for example, because of the potential for losing volatiles during sample splitting. It is generally accepted that before results which fail the acceptance criterion are described as due to low concentrations or sample heterogeneity, the sample should be re-analysed. This may not be necessary when the analytical results are significantly less than the landuse criteria.

2.1.3 Inter-laboratory duplicates

Inter-laboratory duplicates (or split samples) are field duplicates which are sent to a second laboratory and analysed for the same analytes and, as far as possible, by the same methods. These provide a check on the analytical performance of the primary laboratory.

2.1.4 Laboratory Duplicates

Laboratory duplicates (or check samples) are field samples which are split by the laboratory and thereafter treated as separate samples. The RPD is calculated to determine the degree of repeatability (precision) of results obtained from the duplicate analysis.

USEPA (1994) specifies that for inorganics, if the results for laboratory duplicates fall outside of the recommended control limits for a particular analyte, all results for that analyte, in all associated samples of the same matrix, should be qualified as an estimated quantity. For organics, USEPA (1999) does not specify recommended actions for laboratory duplicates.

2.2 ACCURACY

Accuracy is a measure of the agreement between an experimental determination and the true value of the parameter being measured. Inasmuch as the true sample concentrations are not known, the determination of accuracy is achieved through the analysis of known reference materials or assessed by the analysis of matrix spikes. Spiking of reference material into the actual sample matrix is the preferred technique because it provides a measure of the matrix effects on the analytical recovery.

Accuracy is measured in terms of percentage recovery as defined by:

$$\%R = ((SSR - SR) / SA) \times 100$$

%R = percentage recovery spike

SSR = spiked sample result

SR = sample result

SA = spike added

2.2.1 Matrix spikes/matrix spike duplicates

These are samples prepared in the laboratory by dividing a sample into two aliquots and then spiking each with identical concentrations of specific analytes. The matrix spike (MS) and matrix spike duplicate (MSD) are then analysed separately and the results compared to determine the accuracy and precision of the analytes.

2.2.2 Surrogate spikes

Surrogate spikes provide an indication of analytical accuracy. They are used only for analyses which use gas chromatography and are compounds which are similar to the organic analytes of interest in chemical composition, extraction and chromatography, but which are not normally found in field samples. Surrogates are generally spiked into all sample aliquots prior to preparation and analysis. If the surrogate spike recovery does not meet the prescribed acceptance criteria, the samples should be re-analysed.

2.2.3 Laboratory control samples

Laboratory control samples (quality control check samples) are laboratory prepared samples of an appropriate clean matrix (i.e. sand or distilled water) which are spiked with known concentrations of specific analytes. The laboratory control sample (LCS) is then analysed and the results are used to assess sample preparation and analytical accuracy, free of matrix effects. Certified reference material (CRM) is another form of LCS, and involves the analysis of a known standard as part of the laboratory batch, e.g. British Columbia sediment samples for analysis of metals.

2.3 REPRESENTATIVENESS

Representativeness refers to the degree to which the samples reflect the site specific conditions. It is primarily dependent on the design and implementation of the sampling program, with representativeness of the data being partially ensured by the avoidance of cross-contamination, adherence to sample handling and analytical methods, use of field duplicates, ensuring that samples do not exceed holding times prior to analysis, use of chain-of-custody forms and other appropriate documentation.

There are a number of QC samples which can be collected to assist in the qualification of representativeness, including:

2.3.1 Rinsate blanks

Used to determine if sampling equipment has been adequately decontaminated to ensure that cross-contamination between samples has not occurred. The frequency for rinsate blanks is one per piece of equipment per day (AS 4482.1-1997), however it should be noted that cross-contamination will bias samples upwards, and the frequency should therefore be at the investigators discretion.

2.3.2 Trip blanks

Used only when volatile organics are sampled to determine if transport in motor vehicles or similar has resulted in contamination of the samples. For trip blanks, a sufficient number should be analysed to allow the representativeness of the sampling to be determined. However, it should be noted that cross-contamination will bias samples upwards, and the frequency should therefore be at the investigators discretion.

2.3.3 Trip spikes

Used only when volatile organics are sampled to attempt to quantify loss of volatiles during the analytical process. For trip spikes, a sufficient number of samples should be analysed to allow qualification of the likely loss of volatiles during the field sampling.

2.3.4 Laboratory blanks

Laboratory blanks (or method blanks, or analysis blanks) are used to verify that contaminants are not introduced into the samples during sample preparation and analysis. The NEPM (NEPC 1999) specifies that laboratory blanks should be conducted at a frequency of “at least one per process batch”. The acceptance criterion for laboratory blanks is non-detect at the PQL/LOR.

2.4 COMPARABILITY

Comparability is a qualitative parameter designed to express the confidence with which one data set may be compared with another, including established criteria. Comparability is maintained by using consistent methods and ensuring that PQLs/LORs are below the relevant criteria.

2.5 COMPLETENESS

Quality control sample completeness is defined as the number of QC samples which should have been analysed, compared to the actual number analysed. If the appropriate number of QC samples are not analysed with each matrix or sample batch, then the data reviewer should use professional judgement to determine if the associated sample data should be qualified.

Completeness also refers to the complete and correct inclusion of field/sample documentation and laboratory documentation.

2.5.1 QC sample frequency and criteria

Based on EPA made or approved guidelines, the following QC samples are required for all contaminated site investigations, unless otherwise specified as part of the data quality objectives (DQOs) process review. All data to be used for validation should conform as a minimum to the requirements specified, regardless of minimum sample size.

Quality control sample	Frequency	Results ¹
Precision		
Field duplicates	≥ 5%	≤ 30 - 50% ²
Inter-laboratory duplicates	≥ 5%	≤ 30 - 50% ²
Laboratory duplicates	≥ 10%	Lab specified ³
Accuracy		
Surrogate spikes	Organics by GC	70 – 130% ⁴
Matrix spikes (MSs)	≥ 1/media type	70 - 130% ⁵
Laboratory control samples (LCSs)	≥ 1/lab batch	70 - 130% ⁶
Certified reference material (CRM)	LCS for metals	Lab specified ⁷
Representativeness		
Rinsate samples	≥ 1/field batch	< LOR
Trip blanks	≥ 1/field batch (volatiles)	< LOR
Trip spikes	≥ 1/field batch (volatiles)	70 - 130%, ≤ 30 - 50% ⁸
Laboratory blanks	≥ 1/lab batch	< LOR

Notes:

1. Where results are laboratory specified, the laboratory analytical reports should be consulted for specific information.
2. Relative percentage differences (RPDs) for field duplicates from AS 4482.1 (1997).
3. RPDs for laboratory duplicates specified by the laboratory. Based on the magnitude of the results compared to the level of reporting (LOR), e.g. ALS: result < 10 x LOR = no limit, 10 – 20 x LOR = 0-50%, > 20 x LOR = 0-20%. LabMark: < 5 x LOR = 0-100%, 5 – 10 x LOR = 0- 75%, > 10 x LOR = 0-50% or 0-30% for metals.
4. Surrogate recoveries specified by laboratory based on global acceptance criteria or dynamic recovery limits based on statistical evaluation of actual laboratory data.
5. MS recoveries specified by laboratory based on global acceptance criteria.
6. LCS recoveries specified by laboratory based on global acceptance criteria or dynamic recovery limits based on statistical evaluation of actual laboratory data.
7. CRM recoveries specified by laboratory based on global acceptance criteria.
8. Trip spike results are specified as either recoveries or RPDs.

3 REFERENCES

- Australian New Zealand Environment and Conservation Council (1996) *Guidelines for the laboratory analysis of contaminated soils*. ANZECC, Canberra, ACT.
- Australian Standard AS 4482.1 (2005) *Guide to the sampling and investigation of potentially contaminated soil, Part 1: Non-volatile and Semi-volatile compounds*. Standards Australia, Homebush, NSW [Withdrawn].

- National Environment Protection Council (NEPC) (1999) *National Environmental Protection (Assessment of Site Contamination) Measure 1999* (as amended April 2013). National Environment Protection Council, Canberra.
- United States Environmental Protection Agency, Contract Laboratory Program (1994)
- *National Functional Guidelines for Inorganic Data Review*. USEPA, Washington, DC.
- United States Environmental Protection Agency, Contract Laboratory Program (1999).
- *National Functional Guidelines for Organic Data Review*. USEPA, Washington, DC.

Common (CLID) Validation Report - Newdegate Street, Greenslopes Queensland

Comment ID: 1 onwards
100 onwards
1000 onwards

Document: Validation Report, Newdegate Street, Greenslopes Queensland (Report ref: 784-BNEEN282781 Validation Report, dated 28/06/2024)
Site: 51, 53 and 55 Headfort Street, Greenslopes (Lot 123-125 RP46047)
Revision number: Rev G
Document received: 28/06/2024
Review comments return: 03/09/2024

No.	Doc Rev	Review date	Reference/ Report Section	Review #1 Comment (28/06/2024) Comment on Rev B	Review #1 SQP Response (Data)	Review #2 Comment (05/06/2024) Comment on Rev D	Review #2 SQP Response (Data)	Review #3 Comment (30/07/2024) Comment on Rev E	SQP Response	Review #4 Comment (23/08/2024) Comment on Rev F	SQP Response2	Review #5 Comment (03/09/2024) Comment on Rev G	Date Action Closed	Comment Status (Open / Closed)
1	Rev B, 22/04/2024	28-Feb-24	General Comment	Epac have been commissioned by Dave Birney of Department of Veterans Affairs (the Client) to provide contaminated land audit (CLA) services for the removal of the site (Lot 123, 124 and 125 on Registered Plan (RP46047) from the Environmental Management Register (EMR). It should be noted that the CLA services for this site were undertaken in general accordance with the provisions of the (Qld) Environmental Protection Act 1994 (EP Act).	Comment noted	No further comment						Review	05-Jun-24	Closed
2	Rev B, 22/04/2024	28-Feb-24	General Comment	The comments and advice are provided to assist the Suitably Qualified Person (SQP) to progress finalisation of the CLID. This information should not be considered pre-emptive of the final report submission for the site, but rather represents the reviewer's opinions based on the current review of available site information. The comments are not designed to be an endorsement or certification of meeting the requirements of the EP Act, but rather are considered as comment only.	Comment noted	No further comment							05-Jun-24	Closed
3	Rev B, 22/04/2024	28-Feb-24	General Comment	It is understood that the Validation Report (VR) forms the Contaminated Land Investigation Document (CLID) report. Thus, this CLID-VR must be accompanied with a completed DES submission form. Recent regulatory changes, require as of 5 April 2023, the new CLID form https://www.qld.gov.au/_data/assets/pdf_file/0501/1315446/clid-validation-document-form.pdf to be submitted with the CLID. Parts A to C and Appendix 1 and Appendix 2 of the form must be completed by the SQP, whilst the Auditor completes Part D. A completed copy of the CLID form by the SQP was not provided with this draft CLID-VR to the CLA. Thus, the information provided to date is not considered to be in a CLID approved form. Furthermore, the CLA is unable to comment on whether the CLID submission form has been appropriately filled out.	A copy of the completed Contaminated Land Investigation Document form (Version 1.03) has been submitted with Rev C of the CLID. Please note that a detailed review of the approved form will be completed closer to submission. Some minor comments include: - The title of the document is not consistent with the report title. Please remove the dash from "Validation Report - 51, 53 and 55 Headfort Street, Greenslopes Queensland" from the approved form - Page 1 Please remove the "784-BNEEN282781" from column 3 of Table A1 as an SMP is not required. This refers to the item titled "draft SMP; enter details of supporting SQR or VR". - Table A4, EMR/CLR reference numbers are incorrect (e.g., 148512 not 1481512 etc). Please update - Please complete Appendix 1 of the approved form. It is not sufficient to refer to an attachment	The dash has been removed from the form and the header of the document. Removed Updated Updated	Addressed Addressed Addressed	There is no Appendix 2 in the report. Have assumed this comment refers to the DESI CLID approved form. As discussed with the Site Auditor the approved form will be signed when the final report is submitted. Climate has been added to Section 4.4.17 of the CLID. Please complete Appendix 2, sign and return to the CLA. Please ensure that the approved form and module 6 is addressed in full. For example, the CLA notes that climate (module 6) requirement has not been included in the report	The report is still missing some items from the approved form/module 6. The CLA recommends that the SQP consider adding an appendix with a table detailing the approved form requirements and identified in which section of the CLID this requirement has been addressed. Notable omissions from the CLID are in the latest round of comments, however, this is not an extensive list and the SQP should complete an independent and detailed review of all requirements	Please refer to the inclusion of Section 1.4	Addressed	02-Sep-24	Closed	
4	Rev B, 22/04/2024	28-Feb-24	General Comment	The CLA understands the Client's intention is to remove the site from the EMR. Thus, the SQP is not required to develop a Site Management Plan (SMP) as part of the future CLID.	Comment noted	No further comment							05-Jun-24	Closed
5	Rev B, 22/04/2024	28-Feb-24	General Comment	It is generally the CLA's preference that CLIDs are prepared as standalone documents with all pertinent information provided in the main report text, thereby negating the requirement for significant documentation to be appended.	Please refer the response to Comment 9.	Addressed. The CLA notes that the SQP has made considerable effort to address comments provided in Review #1. Additional request to provide all previous reports referenced in the CLID in the appendices.	Reports on previous investigations were included in Rev B and then removed for Rev D based on the meeting with the Site Auditor on the 18/3. As per our meeting on the 25/6 it has been agreed that the previous investigation reports not included in Rev D do not need to be included in the CLID. It is noted that relevant information from these reports has been summarised in the CLID.	Noted Noted	Assumed this comment is now closed.	Confirmed comment is closed			22-Aug-24	Closed
6	Rev B, 22/04/2024	28-Feb-24	General Comment	It is recommended that Coffey include a table in Section 1 which details key project information including details of the SQP (and support team, if applicable), the CLA, Client, EMR status / IDs and CLID type / trigger. Sample text to consider for inclusion to precede CLID type / trigger section: "Voluntary submission of a CLID comprising an assessment of potential site contamination – Removing Site from the EMR. This CLID provides final information about the Site and its intended use. No more CLIDs are forecast in the foreseeable future for the same Site and its same intended use"	Please refer to Table 1-1 in Section 1.	Addressed							05-Jun-24	Closed
7	Rev B, 22/04/2024	28-Feb-24	General Comment	Mapping needs to be provided for all desktop searches including but not limited to topography (including contours), watercourses / drainage, hydrogeology (location of bores within a 2km radius of the site), regional and local geology, soils, acid sulfate soils, flood risk assessment, building, fire and, unengloped ordnance and cultural heritage. Please ensure all these searches are discussed in the final CLID	Please refer to the amendments to Section 4.4 which includes references to the requested figures which are provided in Appendix K.	Remove the current title search completed in July 2013 in Appendix K.14. This has been superseded by the search completed in Appendix K.1. Please note that the current title and EMR searches need to be <1 month old when the CLID is submitted (refer to Appendix 2 of the approved form) Confirm the title records associated with the year 1950 have been supplied within Appendix K.14. There appears to be a discrepancy, 1950 has been changed to 1945 in Table 4.2, and in the paragraph beneath the table. 1950 to 1945 has also been changed in Section 3.1.3	Updated Title/EMR Searches will be included in the final CLID document. Addressed	Noted Addressed					30-Jun-24	Closed
8	Rev B, 22/04/2024	28-Feb-24	General Comment	The report indicates that the site is located at 114 Newdegate Street, Greenslopes QLD, however, the addresses relevant to the site are 51, 53 and 55 Headfort Street. Recommend that either Coffey remove reference to Newdegate Street or that clarity is provided	The site has been historically referred to as 114 Newdegate Street, Greenslopes (common address). The address will be changed to 51, 53, 55 Headfort St and footnote is to be added to the CLID explaining that 114 Newdegate Street has also been used historically to describe the address of the site	Addressed						05-Jun-24	Closed	
9	Rev B, 22/04/2024	28-Feb-24	3.1 Site Characterisation	Provide details of previous investigations in this section including scope of works, key findings, and provide comment on any limitations and compliance with relevant guidelines and standards relevant to this CLID	Section 3 has been renamed 'Previous Investigations'. Details of previous investigations have been summarised in this section. The summary of contamination has now been included in Section 4.5	Addressed - further comment on this content is captured in later comments							05-Jun-24	Closed
10	Rev B, 22/04/2024	28-Feb-24	4.1 Site Identification	Add "Current Occupant" to Table 4-1 and list as "none" - assuming this is accurate	Please refer to amendment to Table 4-1.	Addressed							05-Jun-24	Closed
11	Rev B, 22/04/2024	28-Feb-24	4.1 Site Identification	Table 4-1: The site address is listed as "53 Headfort Street" for all three lots. Please update to reflect actual addresses - i.e. 51, 53 and 55 Headfort Street	Refer to response to comment 8	Addressed							05-Jun-24	Closed
12	Rev B, 22/04/2024	28-Feb-24	4.1 Site Identification	Table 4-1: EMR Listing - please update text to reflect description in the register "The site has been subject to contamination from a hazardous contaminant as follows: HAZARDOUS CONTAMINANT". This site has been subject to a hazardous contaminant. Elevated concentrations of organochlorine pesticides (DODIOTIOE and Aldrin/Dieldrin) identified on site above the nominated investigation levels." Provide a short history (if available) of when any listing(s) occurred, and any response that was made to the listing.	Refer to amendments to Table 4-1 and Appendix K.2	Perhaps this should instead refer to Appendix K.3 listed "DES response". It appears that the response from DES on 20 March 2024 at 11:27 has been redacted. Can the SQP confirm this was intentional and if so, identify why it was required	Noted						30-Jul-24	Closed
13	Rev B, 22/04/2024	28-Feb-24	4.1 Site Identification	The surrounding land uses have not been captured on figures. Please include	Please refer to amendments to Table 4-1 and the figure included in Appendix K.13	Addressed							05-Jun-24	Closed
14	Rev B, 22/04/2024	28-Feb-24	4.1 Site Identification	Table 4-1: The utility services (pre and post remediation) need to be captured on a figure and further consideration. Did underground services have the potential to act as a conduit for contamination?	Section 4.2.6 has been prepared to describe utilities pre/post remediation. Pre-remediation utilities removed during remediation are to be provided by EPS. Section 4.2.6.1 will be updated with this information once it has been provided. Figure 12: Appendix A which shows the location of underground utilities post-remediation. These are described in Section 4.2.6.2 and 6.6.2 The following statement has been included in Section 4.2.6.3: The contaminants of concern for the Site (refer to Section 3.5 and Section 4.2.10) are non-reachable (asbestos) or have low solubility/leachability (OCs) and therefore the migration of contamination along preferential pathways which may be associated with building services (e.g. bedding sands) is not an applicable transport pathway for the migration of contamination on the Site.	Partially addressed. This section is currently highlighted yellow and is to be updated once additional information is provided from EPS (demolition contractor). Can the SQP please provide commentary on the likelihood of encountering PFAS contamination associated with the use of PFAS on the Site is provided in Section 4.2.9	Addressed	The following has been added as a footnote to Section 4.2.6.1 "The fire man contains reticulated potable water and is not associated with the use of Per-and Poly-fluoralkyl Substances (PFAS). Further information on the likelihood of the use of PFAS on the Site is provided in Section 4.2.9				30-Jul-24	Closed	

[illegible]

87	Rev D, 12/05/2024	5-Jun-24	3.1.3 Key Findings	-	-	Site Walkover Please identify the "front vegetated area" in a figure (bullet 1) and provide a lot description for the "neighbouring property" (bullet 4)	Refer to added footnote to Section 3.1.3 (first dot point in Site Walkover). The approximate location of the front vegetated area has been added to Figure 3, Appendix A. The lot description of the neighbouring property has been added to 4th dot point under the sub-heading site walkover. The location of the Orchid Shade House has been added to the 2018 aerial map in Appendix K.2. As discussed in the meeting on the 25th Terra Tech Coffey prepared a summary of the investigations as requested by the Site Auditor under Comment 5. Terra Tech Coffey have summarised the guidelines used in the previous investigations in Section 3 and consider it appropriate that these summaries refer to the guidelines which were used in each investigation as record of the investigation undertaken and noting that the Site Auditor's preference is not to append the reports to the CLUD. Section 4.5 collates information from all previous investigations and compares the data to current guidelines. This summary of all previous investigation data and comparison to current guidelines was also included in the Supplementary Investigation and RAP. No further change is considered necessary. The following sentence has been added to the start of Section 3 "A collated summary of previous investigation data including a comparison to current guidelines (investigation levels described in Section 3.4.5) is provided in Section 4.5."	Addressed					30-Jul-24	Closed
88	Rev D, 12/05/2024	5-Jun-24	3 PREVIOUS INVESTIGATIONS	-	-	Please update referenced guidelines to current guidelines not the ones that were relevant at the time of previous investigations (e.g. NEMF 2013 and WA guidelines). Please apply this comment to all Section 3	As discussed in the meeting on the 25th Terra Tech Coffey prepared a summary of the investigations as requested by the Site Auditor under Comment 5. Terra Tech Coffey have summarised the guidelines used in the previous investigations in Section 3 and consider it appropriate that these summaries refer to the guidelines which were used in each investigation as record of the investigation undertaken and noting that the Site Auditor's preference is not to append the reports to the CLUD. Section 4.5 collates information from all previous investigations and compares the data to current guidelines. This summary of all previous investigation data and comparison to current guidelines was also included in the Supplementary Investigation and RAP. No further change is considered necessary. The following sentence has been added to the start of Section 3 "A collated summary of previous investigation data including a comparison to current guidelines (investigation levels described in Section 3.4.5) is provided in Section 4.5."	Addressed					30-Jul-24	Closed
89	Rev D, 12/05/2024	5-Jun-24	3 PREVIOUS INVESTIGATIONS	-	-	Please reference all sample locations applicable for each investigation and associated exceedances e.g. instead of "field screening of ten locations for the presence of AQMP" - identify sample IDs. Please apply this comment to all of Section 3	As discussed in the meeting on the 25th Section 3 is intended to be a summary of previous investigations. Samples with exceedances have been discussed in detail in Section 4.5, shown in Figure 3, Appendix 1, and tabulated in Appendix C.7.2. It is considered unnecessary to further duplicate this	Addressed					30-Jul-24	Closed
90	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Bullet 6: The section title identifies this as a Phase 2 Contaminated Land Assessment not a site investigation report	Please refer to amendments to the dot point for clarity.	Addressed					30-Jul-24	Closed
91	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Please review and update sample location ID, specifically H405, H407 and H408 to H405S411, H407S412 and H408S413 as indicated in Figure 2	Refer to amendments to Table 3-3	Addressed					30-Jul-24	Closed
92	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	The report doesn't refer to S501 and S502 as indicated in Figure 2	S501 and S502 appear to have been included as an error in the figure in the 2013 report and have been removed from Figure 2, Appendix A. No analytical data or logs are associated with these sample locations.	Addressed					30-Jul-24	Closed
93	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Table 3-4: AS4482:1-2005 - first time used	Refer to amendments to Table 3-4	Addressed					30-Jul-24	Closed
94	Rev D, 12/05/2024	5-Jun-24	3.2.2 Scope of Works	-	-	Table 3-4 "Analytical suite" identify which samples were analysed for OCPS and metals and which for asbestos	Refer to amendments to Table 3-4	Addressed					30-Jul-24	Closed
95	Rev D, 12/05/2024	5-Jun-24	3.3.2 Scope of Works	-	-	Confirm where the 5 locations are on a figure i.e., sample numbers eg. TP, BP, GP and LBP	Refer to amendments to Section 3.3.2 and Figure 2 and Figure 3 Appendix 1	Addressed					30-Jul-24	Closed
96	Rev D, 12/05/2024	5-Jun-24	3.3.2 Scope of Works	-	-	Bullet 2, sub-bullet 2. Some sample numbers appear to be missed from Figure 2 - 32, 34 and 36 were only identified	Bullet 3 was repealed from the 2019 investigation report. Bullet 2 has been amended to state that 3 locations were also collected for delineation purposes including 32, 34 and 36. It has been assumed that this was the purpose of these samples.	Addressed					30-Jul-24	Closed
97	Rev D, 12/05/2024	5-Jun-24	3.3.2 Scope of Works	-	-	Bullet 3, sub-bullet 2, confirm what field observations this is in reference to	Reference to field observations has been removed. Field observations relating to samples 32, 34 and 36 were not included in the 2019 report.	Addressed					30-Jul-24	Closed
98	Rev D, 12/05/2024	5-Jun-24	3.3.3 Key Findings	-	-	Table 4.5 "Analytical Suite" - why wasn't asbestos identified?	Terra Tech Coffey has assumed that comment relates to Section 3.3.3 and not Table 4.5 in Section 4.5.2. Asbestos was not analysed in samples collected in the 2019 investigation and hence was not included in the findings in Section 3.3.3.	Addressed					30-Jul-24	Closed
99	Rev D, 12/05/2024	5-Jun-24	3.3.3 Key Findings	-	-	Confirm which samples contained slag	Refer to response to comment 56	Addressed					30-Jul-24	Closed
100	Rev D, 12/05/2024	5-Jun-24	3.4.3 Investigation Criteria used in Supplementary Investigation	-	-	Protection of human health: PCOC - first time used	Amended to Containment of Potential Concern (COPC)	Addressed					30-Jul-24	Closed
101	Rev D, 12/05/2024	5-Jun-24	3.4.5 Investigation Criteria used in Supplementary Investigation	-	-	In the report, please identify why hydrocarbons were selected for analysis	Hydrocarbons were not analysed in the Supplementary Investigation, and were not required to be analysed as per the SAQP agreed with the Site Auditor. Assessment criteria for hydrocarbons were defined in the Supplementary Investigation so the results from the 2013 PSI could be compared to contemporary guidelines.	Addressed					30-Jul-24	Closed
102	Rev D, 12/05/2024	5-Jun-24	3.4.6 Scope of Works	-	-	Table 3-10 - purpose for BHT6 to BHT7 appears to be incorrect	Refer to amendment to Table 3-10	Addressed					30-Jul-24	Closed
103	Rev D, 12/05/2024	5-Jun-24	3.4.6 Scope of Works	-	-	In the report, please identify why mercury was excluded from analysis	Analysis for mercury was undertaken. Refer to amendment to Table 3-11	Addressed					30-Jul-24	Closed
104	Rev D, 12/05/2024	5-Jun-24	3.4.7 Key Findings	-	-	Bullet 7, first time in report that ash is mentioned	Materials containing ash and/or slag type material were described in the Supplementary Investigation. The term ash was not used in previous investigations. Refer to added footnote	Addressed					30-Jul-24	Closed
105	Rev D, 12/05/2024	5-Jun-24	4.1 Site Identification	-	-	Table 4-1, refer to previous comment about DES records. The records provided do not fully support the information captured in "date property was listed on the EMR" as information was redacted	Refer to response to comment 12	Addressed					30-Jul-24	Closed
106	Rev D, 12/05/2024	5-Jun-24	4.2.1 Historical Title Information / Previous Owners and Occupiers	-	-	Add lease details provided in current title	The lease referred to in Table 4.2, Section 4.2.1 does not apply to the current title. The Site is owned by the Repatriation Commission (refer to Table 4-1)	Addressed					30-Jul-24	Closed
107	Rev D, 12/05/2024	5-Jun-24	4.2.2 Historical Aerial Imagery	-	-	Add information from the 1941 aerial also provided in the Lot Search Records	Refer to amendments to Section 4.2.2	Addressed					30-Jul-24	Closed
108	Rev D, 12/05/2024	5-Jun-24	4.2.3 Historical Maps	-	-	What is the business identified in 1948 at Lot F16 N94047? It appears this may have been a newspaper and not a cafe?	The business identified in the historical 1948 map is not described in the lot search report. The historical business records identify a "Casualty Agency" (i.e. for firefighting) at this location in 1961. This location is located down-gradient of the Site, and is not considered relevant to the Site/CLUD.	Addressed					30-Jul-24	Closed
109	Rev D, 12/05/2024	5-Jun-24	4.2.4 Historical Land Use	-	-	Confirm who was interviewed if known or if this information was not recorded	The name of the person interviewed has been included in Section 3.1.3 and Section 4.2.4	Addressed					30-Jul-24	Closed
110	Rev D, 12/05/2024	5-Jun-24	4.2.4 Historical Land Use	-	-	Why does this section make reference to 2013 e.g. "no building fires occurred on the Site after 2013"	Please refer to amendments. The sentence was added to note that post completion of the PSI (i.e. between 2013 and 2020) no building fires occurred. The statement included in Section 4.2.9 is made in support of statements made elsewhere in the report regarding the use of PFAS.	Addressed					30-Jul-24	Closed
111	Rev D, 12/05/2024	5-Jun-24	4.2.7 Building Structures	-	-	"Asbestos was also found in some of the paints used on the Site". Can TTC please clarify what this means?	As discussed in the meeting on the 25th some of the paints used on the buildings contained asbestos. The sentence has been amended to clarify these were paints used on buildings.	Addressed					30-Jul-24	Closed
112	Rev D, 12/05/2024	5-Jun-24	4.2.7 Building Structures	-	-	Has TTC sighted and included the dockets associated with the ARMP disposal activities	As discussed in the meeting on the 25th the SCF was not engaged to be on site during the demolition of buildings, and the demolition of buildings is outside the scope of the CLUD. Terra Tech Coffey has not sighted EPS dockets however EPS has advised that materials were disposed of appropriately.	Addressed					30-Jul-24	Closed
113	Rev D, 12/05/2024	5-Jun-24	4.4.1 Topography	-	-	The mapping provided indicates the site elevation is 20 m AHD, however, QLD Globe contours indicates 24-7 m AHD	The topographic map provided in Appendix K.8 shows the elevation of the Site as being between 20 and 30 m AHD. The contour map included in the lot search report in Appendix K.2 shows the elevation of the Site is approximately 25 m AHD. The Site being at approximately 25 m AHD is described in Section 4.4.1. QLD Globe 1m contour data is based on LIDAR which cannot penetrate the buildings which covered the majority of the Site. The accuracy of the QLD globe data cannot be verified and has not been included. Information presented in Section 4.4.1 including supporting	Addressed					30-Jul-24	Closed
114	Rev D, 12/05/2024	5-Jun-24	4.4.4 Local Geology	-	-	MW1 - this should be MW01?	Amended to MW01	Addressed					30-Jul-24	Closed
115	Rev D, 12/05/2024	5-Jun-24	4.4.6 Soil Landscape	-	-	Is this information consistent with site observations?	Refer to added sentence to Section 4.4.6	Addressed					30-Jul-24	Closed
116	Rev D, 12/05/2024	5-Jun-24	4.4.1 Regional Ecosystem	-	-	Confirm distance to Stephens Mountain and Gindemann Creek for context. Also in section 4.4.14	Refer to added footnotes to Section 4.4.2, 4.1.13, 4.4.14 and 4.4.16	Addressed					30-Jul-24	Closed
117	Rev D, 12/05/2024	5-Jun-24	4.4.16 Environmental Values and Water Quality Objectives	-	-	Provide a copy of the Brisbane River Estuary - Environmental Values and Water Quality Objective Basin No. 143 as an appendix	Added to Appendix K.18.	Addressed					30-Jul-24	Closed
118	Rev D, 12/05/2024	5-Jun-24	4.4.16 Environmental Values and Water Quality Objectives	-	-	Note it to "freshwaters"	Amended	Addressed					30-Jul-24	Closed
119	Rev D, 12/05/2024	5-Jun-24	4.5.2.2 Asbestos Containing Materials	-	-	Bullet 7, why is (15) in brackets?	Refer to added footnote.	Addressed					30-Jul-24	Closed
120	Rev D, 12/05/2024	5-Jun-24	4.4 Remediation Criteria	-	-	Please add the information "modified criteria for arsenic" and "modified criteria for asbestos" into the report instead of as an appendix. In relation to asbestos, please add context as to what criteria has been modified - refer to text in Section 6.2	As discussed in the meeting on the 25th TerraTech Coffey preference is to retain this information in appendices noting it still forms part of the CLUD.	Addressed					30-Jul-24	Closed
121	Rev D, 12/05/2024	5-Jun-24	6.1 Key Parties Involved in Remediation and Validation	-	-	Table 6-1 "Principal Contractor / Remediation Contractor", second bullet "Employment a Competent Person" - check for sense and clarity	Refer to amendment to Table 6-1	Addressed					30-Jul-24	Closed
122	Rev D, 12/05/2024	5-Jun-24	6.1 Key Parties Involved in Remediation and Validation	-	-	Table 6-1 "Licensed Asbestos Assessor" - provide and append the clearance inspections and clearance air monitoring	Record of air monitoring were included in Appendix 12 and referred to in Section 6.4.2. Clearance certificates are included in Appendix K.20 and referred to in Table 6-1.	Addressed					30-Jul-24	Closed
123	Rev D, 12/05/2024	5-Jun-24	6.2 Summary of Remedial Works	-	-	Bullet 9: Assume eurofins analysis included primary and intra-laboratory duplicate samples?	Refer to amendment.	Addressed					30-Jul-24	Closed
124	Rev D, 12/05/2024	5-Jun-24	6.2 Summary of Remedial Works	-	-	Table 6-2 First time the "heritage fence" is mentioned. Please provide more details including how this was protected / worked around during remediation	Refer to added note to Table 6-2.	Addressed					30-Jul-24	Closed
125	Rev D, 12/05/2024	5-Jun-24	6.8 Imported Materials	-	-	Table 6-7 - add EMR site ID for Lot ZRP208504	EMR ID added to Table 6-7	Addressed					30-Jul-24	Closed
126	Rev D, 12/05/2024	5-Jun-24	6.9.3.3 Asbestos	-	-	T02_B, T02_W1, T02_W2 and T04_W1 - please indicate on which figures these locations are depicted	Refer to amendments to Section 6.9.3.3 and the added comment to Table 6-9 in Section 6.9.1 which states "At each trench sampling site in the trench samples were collected from bottom of the trench (denoted by a suffix '_B' in the Sample ID) and the side walls of the trench (denoted by a suffix '_W' in the Sample ID). Sample sites in Figure 7 represent where these samples were collected. For example at sample site T04 in Figure 7 this location represents where the following samples were collected: T07_B, T07_W1, and T07_W2."	Addressed					30-Jul-24	Closed
127	Rev D, 12/05/2024	5-Jun-24	6.9.5 Imported Materials	-	-	Was an assessment for assessment (visual and/or analytical) completed?	Reference to visual assessment of the imported material has been added to Section 6.9.	Addressed					30-Jul-24	Closed
128	Rev D, 12/05/2024	5-Jun-24	6.10 Quality Assurance and Quality Control	-	-	Provide a copy of the standard operating procedures mentioned in Section 6.10 as requested via email on 23/05/2024	Analytical data of the imported material was discussed in Section 6.9.5. 12 samples of imported materials were analysed. Analytical data was compared to the Remediation Criteria. All samples met analysis below the Remediation Criteria. Please refer to additional information included in Section 6.9.5.	Addressed					05-Jun-24	Closed

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