

Materials Management Plan (MMP) Form - October 2014

This form should be completed once the lines of evidence have been marshalled in relation to suitability for use, certainty of use and quantity required.

The answers to the questions posed within this form, together with the supporting information will constitute the MMP and must be provided to the Qualified Person.

A Qualified Person may comment on draft versions of this MMP, but will not complete the Declaration until all the relevant documents, demonstrating lines of evidence have been provided for each site.

The person / organisation who will pay the Declaration fee should confirm that they have read and understand the Terms and Conditions relating to the payment of the Declaration fee to CL:AIRE. These can be found on the CL:AIRE website.

The person / organisation agreeing to pay the Declaration Fee - Name, organisation and contact details inc. email address -	Peter Dunn LK Remediate Eton Business Park Eton Hill Road Radcliffe Manchester M26 5ZS Tel: 0161 763 7200
--	--

☒ **I confirm I have read and understood the Terms & Conditions.**

Each question must be answered. If the question is not applicable please state this and provide a brief explanation.

1. Specify the scenario to which this MMP relates, as described in the Definition of Waste: Development Industry Code of Practice (DoW CoP) (1, 2, 3 or 4):

- ☒ **1. Reuse on the Site of Origin**
- ☐ 2. Direct Transfer of clean naturally occurring soil / mineral materials
- ☐ 3. Cluster Project
- ☐ 4. Combination of any of the above

In the case of a combination of reuse scenarios, please describe it below (e.g. (i) Reuse on Site of Origin and Direct Transfer of clean naturally occurring unpolluted soils, (ii) Reuse on the Site of Origin with Direct Transfer of clean naturally occurring soil to x number of development sites etc:

(NB: A Declaration is required for reuse on the Site of Origin and for any 2 site arrangement i.e. there is no facility for a combination Declaration)

2. Organisation and name of person preparing this MMP

Peter Dunn
LK Remediate
Eton Business Park
Eton Hill Road
Radcliffe
Manchester
M26 5ZS
Tel: 0161 763 7200

Document Control

Date issued	12 th May 2021
Revision date	
Summary of revision 1	
Summary of revision 2	

Insert additional lines to the table above for any subsequent revisions. Note - revisions to the MMP do not trigger an additional Declaration by a Qualified Person, unless an additional site is added to the project.

Revisions to the MMP must be recorded and summarised in the Document Control box above.

Site Details

3. Site / Project name(s) Collyhurst Village, off Thornton Street North, Manchester, M40 7SU
Reuse / receiving site name : As above
Donor site name (if Direct Transfer) N/A

Landowners

4a. Name of Landowner(s) (full address and contact details) – where excavated materials are to be reused Northern Gateway (FEC) No. 10 Limited Northern Assurance Building Second Floor, 9-21 Princess Street, Manchester, United Kingdom, M2 4DN
4b. Name of Landowner(s) (full address and contact details) – where excavated materials are arising from Site of Origin, as above.

Summary and objectives

5a. Provide a brief description of the planned project and how excavated materials are to be reused. Hardstanding and relict in-ground structures to be grubbed out. Site generated hard material (concrete, brick, etc) to be crushed to 6F2 to form 300mm thick piling mat and road capping, with additional material place in temporary stockpiles for use as part of build phase construction, as required (temp haul roads, compound areas, scaffolding mats, etc) Suitable made ground to be reengineered and replaced to formation levels. Excess and/or unsuitable material to be removed from site. The site investigation has identified elevated concentrations of contaminants when compared with human health risk assessment. Remediation to mitigate impacts to future land users will be required and will form part of the build phase remediation works. Similarly, suitable H&S measures should be implemented to ensure protection of site operatives from potentially contaminated ground during groundworks.

General Plans and Schematics

6. **Attach** a location plan for the site(s) and a plan of the site(s) which identifies where different materials are to be excavated from, stockpile locations (if applicable), where materials are to be treated (if applicable) and where materials are to be reused.

Appendix A1 - Existing Site Plan (Sheets 1-3)

Appendix A2 – Proposed Masterplan (south)

Appendix A2 – Proposed Masterplan (village)

Appendix B2 – Enabling Works Stages

No significant treatment is envisaged. Temporary assessment areas close to excavations may be utilised to allow waste classification. Stockpile areas shown on Figure 6 in Appendix A3 for use in construction phase works as required with any surplus of site generated aggregate disposed as part of construction.

7. **Attach** a schematic of proposed materials movement. Where there is only one source area and one placement area briefly describe it. For all other projects a schematic is required.

Appendix B1 – Enabling Works Schematic Material Movements

Parties Involved and Consultation – if more than one party please provide additional details for them and identify the location that they will be working e.g. where a site is zoned

8a. Main earthworks contractor(s) (full address and contact details) – Where excavated materials are to be reused

LK Remediate
Eton Business Park
Eton Hill Road
Radcliffe
Manchester
M26 5ZS

8b. Main earthworks contractor(s) (full address and contact details) - Where excavated materials are arising from

As above

9. Treatment contractor(s) (full address and contact details) – for treatment on site of origin, or at a Hub site within a fixed STF / Cluster Project

No treatment envisaged. Details of waste carriers and suppliers will be recorded and confirmed as part of the duty of care and be reported in the MMP verification report upon completion

10. Where wastes and materials are to be transported between sites, provide details of the transport contractor(s) (full address, contact details and waste carriers registration details (if applicable))

Details of waste carriers and suppliers will be recorded and confirmed as part of the duty of care and be reported in the MMP verification report upon completion. Import of topsoil from suitable supplier is envisaged for clean cover system for soft landscaping areas as part of the build phase scope of works (outside the scope of the enabling works and this MMP).

11. Provide Local Authority contact details (full address and named contacts) where excavated materials are to be reused

Rebecca Twigg-Purcell
Environmental Protection

Environmental Health Neighbourhoods Directorate Manchester City Council Tel: Contact Manchester 0161 234 5004 Email: r.twigg@manchester.gov.uk Web: Manchester City Council
12a. For the site where materials are to be reused and for Hub Site locations provide Environment Agency contact details (full address and named contacts): Stephen Bostock The Waste Enquiries Helpdesk Team Environment Agency Richard Fairclough House, Knutsford Road, Warrington, WA4 1HT GMMCWasteEnquiries@environment-agency.gov.uk / stephen.bostock@environment-agency.gov.uk Environment incident hotline (24/7) 0800 80 70 60 General Enquiries 03708 506 506
For all Cluster Projects: 12b. Attach any relevant documentation from the EA relating to the excavation and reuse of the materials to demonstrate no objection to the proposals (see 3.37 of DoW CoP) If the EA has not been consulted please explain why (see paragraph 3.39 of the DoW CoP). N/A – not Cluster Project.

Lines of Evidence

There is no one single factor that can be used to decide that a substance or object is waste, or when it is, at what point it ceases to be waste; as complete a picture as possible has to be created.

The following sections require completion to ensure the correct decision is made.

If a requested item is not relevant it is important to clearly state why this is so (e.g. no planning permission required because permitted development status exists).

Suitable for use criteria

13. Please describe or provide copies of the required specification(s) for the materials to be reused on each site.

Document Reference(s):

Appendix C1 – Remediation Strategy

Appendix C2 – Earthworks & Compaction Specification

The remediation strategy references that the site investigation information adequately assesses ground conditions and that material is suitable for re-use beneath clean cover soils (subject to a watching brief). Subsoil and topsoil used in soft landscaping should meet residential with plant uptake in gardens and POS resi in POS areas based on C4SL and S4UL criteria. With regards to asbestos, the criteria to be met will be 'no asbestos present' in soft landscaping – although this is outside the scope of the MMP. Chemical re-use criteria (including sample numbers, testing suites) and criteria are included in the remediation strategy. The geotechnical performance requires are included in the earthworks compaction specification.

Where contamination is suspected or known to be present

14a. Please provide copies of or relevant extracts from the risk assessment(s) that has been used to determine the specification for use on the site. **This must relate to the place where materials are to be used.** This must be in terms of (i) human health (ii) controlled waters and (iii) any other relevant receptors. If a risk assessment is not relevant for a particular receptor given the site setting please explain why below:

Appendix C1 – Appendix C1 – Remediation Strategy, Section 4 & 5

Suitability for use assessments should be undertaken by a suitably qualified consultant and should take into account exposure model and land use for site generated materials. Subsoil and topsoil used in soft landscaping should meet residential with plant uptake in gardens and POS resi in POS areas based on C4SL and S4UL criteria. With regards to asbestos, the criteria to be met will be 'no asbestos present' in soft landscaping.

14b. Please attach any relevant documentation from the LA relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 of the CoP)

Appendix E1 – Email correspondence from Rebecca Twigg confirming no objection to re-use of suitable site won material under DoWCOP

14c. Please attach any relevant documentation from the EA relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 and Table 2 of the CoP)

Appendix F1 – Planning Permission 128788/FO/2020

N/A – consultation with regulator via LA and Town and Country Planning regime (as above). Site investigation report and remediation strategy (including reference to re-use of materials) approved via planning permission.

14d. Please attach any relevant documentation from any other regulators (if relevant) relating to the excavation and reuse of the materials to demonstrate no objection (see 3.37 of the CoP)

N/A

Where contamination is not suspected

15a. Please attach copies or relevant extracts from the Desk Top Study that demonstrates that there is no suspicion of contamination.

N/A

15b. Please attach copies of or relevant extracts from the site investigation/testing reports that adequately characterise the clean materials to be used (if appropriate).

Testing of site won material for suitability of re-use should be undertaken as part of enabling works and post construction remediation. Imported subsoil and topsoil should be tested as per the remediation specification.

15c. Please attach copies of any other relevant information (if available) confirming that land contamination is not an issue.

N/A

NB: It is your responsibility to assess the nature of the material to be used and that it fits within the limitations of the scenario under which it is to be used

Certainty of use

Various lines of evidence are required to demonstrate that the materials are certain to be used. This includes:

- The production of this MMP
- An appropriate planning permission (or conditions that link with the reuse of the said materials)
- An agreed Remediation Strategy(ies)
- An agreed Design Statement(s)
- Details of the contractual arrangements

Please identify in the following sections what lines of evidence relate to the site(s) **where the materials are to be used**.

16a. Planning Permission(s) relating to the site where materials are to be reused Please provide a copy of the relevant planning permission Appendix F1 – Planning Permission 128788/FO/2020
16b. Explain how the reuse of the excavated materials fits within the planning permission(s) for each site. Condition 9 specifically references the remediation strategy, which covers remediation requirements for the enabling works, including requirements should unexpected ground conditions and or contamination be identified. This includes excavation and crushing for re-use of hard materials, removal of all geotechnically and environmentally unsuitable materials and subsequent filling/replacement and remodelling of landform to create a suitable development platform.
16c. If planning permission is not required for any one site please explain why below e.g. permitted development, clean up of a chemical spill, surrender of an Environmental Permit, re-contouring within the existing permission. N/A

<i>Where contamination is suspected or is known to be present</i> 17. Please provide a copy of any Remediation Strategy(ies) that have been agreed with relevant regulators. Appendix C1 –Remediation Strategy
<i>Where contamination is not suspected</i> 18. Please provide a copy of any Design Statement(s) that have been agreed (e.g. with the planning authority or in the case of permitted developments the client). N/A

Quantity of Use

19. Please provide a breakdown of the excavated materials for each site and how much will be placed at each site or sub area of each site.

Where this is not specific to a single readily identifiable source refer to an annotated plan, schematic or attach a tabulated summary.

1

Document Reference(s):

Appendix A1 – Main Enabling Works Stages

Appendix B1 – Enabling Works Schematic Material Movements

Appendix B2 - Enabling Works Stages

Turnover of made ground and cut/fill to level is estimated to generate approximately 24,000m³, comprising 6,750m³ of suitable aggregates (of which 2,800m³ re-used in road capping and pile mats and 3,950m³ stockpiled for temporary re-use in construction phase/ later disposal), 1900m³ of subsoil and 15,350m³ surplus for disposal during enabling works phase.

20a. How has consolidation/compaction being considered in the above mass balance calculations?

Allowance of approximately 5% made for compaction of materials. For granular materials in ground 0% allowed.

20b. How has loss due to treatment being considered in the above mass balance calculations (if applicable)?

N/A – No chemical treatment, nil allowed.

20c. How has the addition of treatment materials being considered in the above mass balance calculations (if applicable)?

Note - An exact figure is not required but one that is reasonable in the circumstances and can be justified if challenged.

N/A – No chemical treatment, nil allowed.

Contingency arrangements

Explain what is to happen in the following situations and **identify the appropriate clauses** in the contract(s) (Such clauses must be provided to the Qualified Person, preferably as a summary document): or

21a. What is to happen to, and who is to pay for out of specification materials?

The Client's chosen contractor will reuse the excavated materials (as described in the MMP) from the site of origin to form site levels. It is the chosen Contractor's responsibility to undertake any amendments necessary to either relocate or render the materials suitable.

The chosen Contractor will be responsible for the disposal of any out of specification material as part of the remediation package. The Client will be responsible for any out of specification material arising from the civil construction works.

21b. What is to happen to, and who is to pay for any excess materials?

Temporary stockpiles of site generated aggregates earmarked for re-use as required during construction phase works (temporary hauls roads, scaffolding mats, compounds, etc). Following completion of enabling works, re-

use and disposal will be the responsibility of the Client. Re-use or disposal will be undertaken by the client or their appointed contractors.
21c. What happens if the project programme slips in relation to excavated materials or materials under-going treatment? Additional resources are to be employed and/or extended working hours (subject to any planning conditions) will be actioned to achieve the agreed completion date.
21d. Other identified risk scenarios for the project (relating to excavated materials)? As per section 21a. Geotechnically unsuitable materials (i.e., natural organic soils) that cannot be reused either within the soft cover system or beneath building footprint or infrastructure. Potential for unidentified chemical contamination that requires disposal off site.

The Tracking System

Where contamination is suspected or known to be present, state the procedures put in place to:

22a. For all sites please describe the tracking system to be employed to monitor materials movements. The chosen Contractor will be responsible for tracking of materials on site and this will include a material tracking spreadsheet, appropriate stockpile signage, surveys to determine excavated volumes and testing. Weekly records of site works, including photographs and, where appropriate, material movements should be maintained. Existing topographic and 'as-built' remediation levels to be surveyed.
Where contamination is suspected or known to be present, state the procedures put in place to: 22b. Prevent contaminants not suitable for the treatment process being accepted N/A
Where contamination is suspected or known to be present, state the procedures put in place to: 22c. Prevent cross contamination of materials not in need of treatment, wastes awaiting treatment and treated materials The chosen Contractor will be responsible and this will include segregation of materials based on source, type of material, contamination, and re-use/disposal destination. Appropriate signage of stockpiles, tracking system and supervision by suitably qualified site management personnel to be used on site, as required to prevent cross-contamination.
Where contamination is suspected or known to be present, state the procedures put in place to: 22d. Demonstrate that materials that do not require treatment and successfully treated materials reach their specific destination See 22c.
Where contamination is suspected or known to be present, state the procedures put in place to: 22e. Ensure that waste for off-site disposal or treatment is properly characterised and goes to the correct facility. Material suspected to be unsuitable for re-use on site based on previous SI data or unidentified contamination in excavations will be stockpiled separately and appropriate testing undertaken. Results of this testing and a waste segregation plan will be agreed with hauliers prior to moving material from site. Testing data will be provided to landfill operators prior to removing of the material offsite.
23. Please attach a copy of the tracking forms / control sheets that are to be used to monitor materials

movements.

To include transfer of loads on site into stockpiles prior to treatment (if applicable), stockpiled after treatment (if applicable), stockpiled awaiting use (as appropriate) and final placement.

Appendix G1 – Example Tracking Document

For Hub Sites within Cluster Projects & where materials need treatment before reuse

24. Please attach a copy of the Environmental Permit covering the treatment process.

Alternatively if the treatment is covered by a Mobile Plant Permit and associated Deployment Form, attach a copy of the EA agreement to the Deployment Form.

N/A – no treatment proposed.

Records

25. Where, and in what form, are records to be kept?

Note – records e.g. transfer notes, delivery tickets, Desk Top Study, Site Investigation, Risk Assessment(s), Verification Report(s) need to be kept for at least 2 years after the completion of the works and production of the Verification Report

A mixture of electric and hardcopy site records will be kept by the Client and the appointed Contractor.

Verification Plan

26. Provide or explain the Verification Plan which sets out how you will record the placement of materials and prove that excavated materials have been reused in the correct location and in the correct quantities within the development works (see 3.4 of the DoW CoP).

Appendix H1 – Verification Statement

Placement of material will be surveyed on site during the works. A separate Verification Report will be completed for the re-use of materials and this will include a description of works undertaken, a photographic record, validation test results (and discussion) and a statement that works have been undertaken in accordance with the MMP.