

Waste Acceptance Procedures

General

Waste shall only be accepted from the Site area as defined by the Application Site boundary shown on the Site Infrastructure Plan. Specifically, the waste to be treated is limited to the Application Site made ground as described in the GEMCO Waste Recovery Plan R.4

No wastes will be accepted from off-site sources.

In summary, the made ground soils / HstW are contaminated with Asbestos fragments (ACM), lead, benzo(a)pyrene and asbestos fibres. Treatment is required with respect to ACM and getoechnically deleterious materials such as wood, textile, paper, plastic, metal. There are no contaminants of concern with respect to controlled waters.

Risks to human health from lead, benzo(a)pyrene and asbestos fibres will be managed by the provision of a clean cover system.

During excavation of the waste mass the following general procedure will be adopted to ensure that the waste is suitable for remediation and re-use.

Table B6.1. Waste Acceptance Procedure.	
Stage of Waste Handling	Specified Standards
A. WASTE INSPECTION	All wastes treated at the operating site will be inspected to ensure they comply with waste characteristics identified in the site investigation information. Wastes transported to the treatment zone will be stockpiled separately from wastes already accepted into the treatment process.
B. QUARANTINE AND STORAGE AND REJECTION OF WASTES	Any waste that appears not to comply with the identified characteristics from the site investigations will be quarantined until further analysis to determine acceptance has been undertaken. All waste in quarantine will be segregated from all other materials. Untreatable wastes will be removed from site. A record of all rejected wastes will be kept in the site diary.
C. IDENTIFICATION OF WASTES	Throughout the treatment process, each stockpile of waste will be clearly marked in accordance with the current phase of treatment. The stages of treatment will vary on a site-specific basis but will be in general accordance with the following sequence: Untreated; Pre-treated screened waste; Pre-treated unmixed waste; Treated waste for storage, testing and re-use.
D. INSPECTION OF WASTES AND REMEDIATED MATERIALS FOR DESPATCH OR WASTE RECOVERY	All treated materials; whether for despatch or waste recovery on site will be inspected and tested to confirm their composition and compliance.
E. INCOMPATIBLE WASTES	Incompatible wastes will be removed off site to a suitable disposal facility.

Waste Control

All contaminated material, substances or products to be treated at the operating Site, by ex-situ treatment comprising sorting screening and segregation.

Waste will be inspected during excavation and on receipt at the stockpiling area to confirm their description and composition against the relevant accompanying documentation.

Wastes types will be kept separate from and will not be covered by or mixed with other contaminated material, substances or products until they have been confirmed and recorded for acceptance at the operating Site.

Waste Dispatch

Soil will be dispatched from the treatment area and re-used on site in the earthworks. The suitability for re-use will be confirmed following a robust sampling and laboratory testing protocol.

Conversion to tonnage will be based on data bulk density data available from the SI. In the absence of this, all volumes will be increased by a factor of 1.5 to give a tonnage.

In the event that samples are required they will be forwarded to a suitable laboratory accredited to the Environment Agency's Monitoring Certification Scheme (MCERTS).

Plant Maintenance Procedures

All mobile plant used for the treatment processes will be subject to routine maintenance in accordance with the Contractor PUWER requirements. The plant operator will be responsible for undertaking the maintenance or activities and for record making. The site manager will be responsible for ensuring the plant operators undertake the works and record keeping, and also for ensuring that the records are sent on a weekly basis to the Contractor head office. Records of all maintenance activities will be kept at the head office.

Waste Treatment Procedures

Prior to treatment, soil will be visually screened to determine suitability for the treatment plant. Large boulders and waste materials will be removed. The remainder of the soils will be screened to remove unsuitable waste material.

The waste will be treated by a process of screening sorting and segregation. ACM will be hand-picked by suitably qualified / trained operatives in accordance with CAR 2012 and relevant HSE Guidance L143 and (R.15 & R.16) and transferred to a dedicated asbestos skip for subsequent removal off-site.

Soils for screening will be handled in accordance with the following general procedure: -

- Either a 360° tracked excavator or wheeled loading shovel will be used for the loading of contaminated material into the screening plant;

- Loading of the screening plant must be carried out in a manner that minimises spillages; and

- Once all contaminated material has been screened the screening area will be decontaminated under the supervision of The Contractor and all contaminated materials arising from the operation will be treated appropriately.

Once the operation has been completed then all machinery is to be cleaned under the supervision of The Contractor and then inspected.

Untreatable, Unacceptable and Residual Wastes

Untreatable and unacceptable wastes will be transferred to an appropriate (dedicated) skip for subsequent disposal off-site to an appropriately licensed facility in accordance with the Duty of Care Regulations.

Quarantine Area

A quarantine area will be provided adjacent to the main stockpiling area.

This area will be clearly marked on-site and is provided for the storage of wastes that are considered unsuitable for the treatment process, or requiring reprocessing and /or testing.

The quarantine area will be constructed with an impermeable membrane with soil bunds around as shown in GEM-2309-001_P02_SIP, presented in Appendix 2 of the application documents.

The area will accommodate 250m³ of soil. The location of the Quarantine area is shown on drawing Site infrastructure Plan and will be adjacent to but kept separate from the remainder of the soil stockpiles awaiting treatment.

The volume of 250m³ is considered appropriate as it represents around 0.5 day of excavation, during which time appropriate measures will have been taken to cease operations and divert out of spec or untreatable wastes.