



Clockhouse Quarry Restoration Environmental Permit Application

Operating Techniques

SUEZ Recycling and Recovery UK Limited

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1.0 Introduction

SUEZ Recycling and Recovery UK Limited (SUEZ) has instructed SLR Consulting Limited (SLR) to prepare an Environmental Permit (EP) application for a Deposit for Recovery activity. The application seeks approval for the use of suitable waste in the restoration of Clockhouse Quarry (the site), located at Horsham Road, Capel, Surrey, RH5 5JL, as a deposit for recovery operation under the Environmental Permitting (England and Wales) Regulations 2016.

This Operating Techniques (OT) document sets out best practice for operating the site, based on legislation and best available techniques in the industry.

The OT and EMS will be reviewed and updated on an annual basis or because of any of the following activities (list not exhaustive):

- The issue of an EP variation by the Environment Agency (EA);
- Finalisation of site construction;
- A material change to the operational process;
- A substantiated complaint; or
- Any changes in legislation or guidance documents applicable to the operations undertaken at the site.

The OT and EMS document is supplemented by the following documents submitted in the EP application:

- Non-Technical Summary;
- Waste Recovery Plan;
- Environmental Setting and Site Design Report;
- Environmental Risk Assessment;
- Hydrogeological Risk Assessment;
- Stability Risk Assessment;
- Emissions (Dust) Management Plan;
- Noise Impact Assessment & Noise Management Plan; and
- Associated Drawings.

1.1 Site Location

The Site is situated approximately 1.5km south of the village of Capel and approximately 10km west of Crawley. The total area of the site to be restored measures approximately 12 hectares. The Site is accessed off Horsham Road (A24) which runs to the west of the site. The National Grid Reference (NGR) for the site is TQ 17541 38620.

The majority of the land surrounding the Site is characterised by open/agricultural land. The site is situated within the Clock House Brickworks Site of Special Scientific Interest (SSSI) which extends to the north, and south. The Site is designated as it shows beds in the lower part of the Weald Clay Group, stratigraphically above the strata seen at the GCR SIL at Warnham. Auclaye SSSI is located approximately 400m to the west of the site. The closest residential properties lie approximately 80m to the east.



1.2 Report Structure

This report describes the Operating Techniques that will be implemented at the facility to ensure compliance with the conditions of the EP. The report is divided into the following sections:

- **Section 1** Introduction
- **Section 2** General management and appropriate measures
- **Section 3** Accident prevention and management plan
- **Section 4** Operations
- **Section 5** Waste pre-acceptance, acceptance and tracking
- **Section 6** Emissions control
- **Section 7** Information

1.3 Document Revision

Any changes are labelled in chronological order and the date of the change is recorded. All records of the changes are listed in the revision history table below:

Version	Reason for Revision	Date of Revision	Signature of Site Manager
1	N/A – First Draft	N/A	N/A



2.0 General Management Appropriate Measures

2.1 Management System

This bespoke OT will be implemented by SUEZ to ensure that:

- The risks that the activities pose to the environment are identified;
- The measures that are required to minimise the risks are identified;
- The activities are managed in accordance with the management system;
- Performance against the management system is audited at regular intervals; and
- The EP is complied with.

SUEZ also implement their Integrated Management System (IMS) at all of their sites, a summary of which is included as **Appendix A**.

2.2 Management Structure and Responsibilities

The Site Manager is responsible for day-to-day operations, compliance with the OT and IMS and the EP.

Whenever the site is open to receive waste, or carry out any of the waste management operations, it will be supervised by at least one member of staff who is suitably trained and fully conversant with the requirements of the EP relating to:

- Waste acceptance and control procedures;
- Operational controls;
- Maintenance;
- Record-keeping;
- Emergency action plans; and
- Notifications to the EA.

2.3 Technical Competence and Training

The site is managed by sufficient staff, competent to operate the site.

A fully trained member of staff is on site at all times during waste acceptance hours, in order to provide supervision for waste acceptance. This staff member is fully conversant with the waste acceptance procedure, EP, and contents of this OT.

An assessment of general staff training needs is carried out to identify the posts for which specific environmental awareness training is needed, and to determine the scope and level of such training. The assessment of training needs is reviewed on an annual basis with records retained.

SUEZ's OT and training procedures ensure the following:

- All staff have clearly defined roles and responsibilities;
- Records are maintained of the skills required for each post;
- Records are maintained of the training and relevant qualifications undertaken by staff to meet the requirement of each post; and
- Operations are governed by standard operating instructions.



Operations at the site will be under the overall control of a technically competent person who holds the relevant Certificate of Technical Competence (COTC) under the Waste Management Industry Training and Advisory Board (WAMITAB) scheme.

- All staff are aware of the following:
 - Regulatory implications of the EP for the site and their specific work activity;
 - All potential environmental effects from operations under normal and abnormal circumstances;
 - Incident management;
 - The need to report deviations from the EP; and
 - Prevention of accidental emissions and the action to be taken should accidental emissions occur.
- Site operatives including weighbridge operatives receive thorough training on waste identification, acceptance procedures, and classification. This training is conducted at the start of employment, in response to any non-conformances, incidents or significant changes in operations, and annually; and
- All members of the management team including those responsible for overseeing site activities receive thorough training with regards to the conditions of the EP and their resultant duties. Management also become conversant with and annually refresh their knowledge of this OT.

Hard copies of this OT are available in the site office for all members of staff to view as needed.

2.4 Site Security

In order to prevent unauthorised access, a number of site security measures will be in place, including:

- Fencing along the site boundary consisting of a mixture of palisade, chain and wire mesh. The southern and eastern boundaries additionally have areas of thick vegetation;
- An existing barrier gate located at the entrance to the site, which will be locked when the site is closed;
- A new gate to be installed by the weighbridge;
- Regular inspection to ensure continued monitoring of security provisions;
- All visitors to site will be required to sign in and out of the visitors book. This minimises the risk of unauthorised visitors gaining access to the site.

The site reception layout is shown on Drawing Clh-PLN-1025-01, October 2025. The site will be inspected at the commencement of each working day to identify any deteriorations and the need for repairs. Any defects or damage which compromises the integrity of the enclosures will be made secure by temporary repair within 24 hours. Permanent repairs will be affected as soon as practicable after this.

All inspections, any defects, damage or repairs will be recorded in the Site Diary.

2.5 Display of EP

A copy of the EP will be kept available for reference by all staff and contractors whose work may have an impact on the environment.



2.6 Permit Surrender

The site boundary predominately includes areas which will be subject to the permanent deposit of waste, therefore a Site Condition Report (SCR) is not required for these areas. A Site Condition Report has been prepared for the areas not subject to permanent deposit, as included in Section 12 and shown in Figure 1 below:

Figure 1



To assist in EP surrender, records will be maintained to demonstrate how the land beneath the site has always been protected between the date of EP issue and the end of operations.

Records to be maintained will include:

- Maintenance of surfacing;
- Maintenance of drainage system; and
- Actions taken to clean up incidents and spillages.

2.7 Managing Documentation and Records

Controls will be in place to ensure that all documents are issued, revised and maintained in a consistent fashion.

Documents included in the scope of controls are as follows:

- Policies;
- Responsibilities;
- Maintenance records;



- Procedures;
- Monitoring records;
- Results of audits;
- Results of reviews;
- Complaints and incident records; and
- Training records.

Records of all imported material will be made and kept up to date to reflect deliveries. All records relating to waste acceptance will be maintained and kept readily available electronically through SUEZ' system, and kept until the time of surrender.

2.8 Reporting Non-Compliance and Taking Corrective Action

Procedures will ensure appropriate corrective action is taken in response to problems identified at the site. The procedures will ensure that non-conformances are reported, investigated and rectified, and that failures and weaknesses are prevented. The following aspects will be considered:

- Actual or potential non-compliance;
- System failure discovered at internal audit;
- Suppliers or subcontractors breaking the agreed operating rules;
- Incidents, accidents, and emergencies;
- Other operational system failure; and
- Complaints.

The action taken in response to the non-conformance may include:

- Obtaining additional information on the nature and extent of the non-conformance;
- Discussing and testing alternative solutions;
- Modifying procedures and responsibilities;
- Seeking approval for additional resources and training; and
- Contacting suppliers and contractors (as applicable).

2.9 Auditing and Legal Compliance

There will be a formalised internal auditing procedure to ensure the facility is audited at defined intervals and that the progress of corrective and preventative action is monitored.

2.10 Monitoring, Measuring and Reviewing Environmental Performance

A formalised management structure will review environmental performance, and ensure any necessary actions are taken.



2.11 Operational Control, Preventative Maintenance and Calibration

The management system will complement operational procedures so as to ensure effective control of site operations, the use of approved suppliers and contract services, the maintenance of operational equipment and calibration of monitoring equipment.

All plant and equipment will be subject to a programme of planned preventative maintenance which will follow the inspection and maintenance schedule recommended by the manufacturer.

2.12 Design and Construction Quality Assurance

All relevant elements of the site which are not already constructed will be designed in accordance with recognised standards, methodologies and practices.

The design process will use a risk-based approach and will be appropriately documented using drawings, specifications and method statements to provide an adequate audit trail.

Construction Quality Assurance (CQA) plans will govern all construction activities necessary in the future. These CQA plans will be prepared by competent and suitably qualified persons.

A competent and suitably qualified person will supervise the construction activities and prepare a validation report confirming that the key construction activities have been carried out in accordance with the CQA plan.



3.0 Accident Prevention and Management Plan

SUEZ recognises the importance of the prevention of accidents that may have environmental consequences and that it is crucial to limit those consequences.

An accident management plan will be implemented and maintained at the site to ensure that the site and staff are fully prepared for any such incidents. The accident management plan will be reviewed at least every four years or as soon as practicable after an incident, with changes made accordingly to minimise the risk of occurrence.

The following accident management plan describes the techniques that will be implemented to minimise the risks posed to the environment. Activities affecting the health and safety (H&S) of operatives, contractors and visitors will be separately managed in compliance with H&S regulation and company H&S Policy.

3.1 Hazard Identification

The following potential hazards have been identified in the Environmental Risk Assessment (ERA) that has been prepared using the ERA methodology and is submitted in support of this EP application.

- Unauthorised waste;
- Fire;
- Loss of containment – spillage and leakage;
- Security and vandalism; and
- Flooding.

The following sections summarise the measures necessary to minimise the potential causes and consequences of accidents, as detailed in the ERA.

3.1.1 Unauthorised Waste

The acceptance of unauthorised waste materials could result in unacceptable wastes being deposited at the site. The site-specific Waste Acceptance Procedure (WAP) included as Appendix 02 and criteria will be implemented on site with strict enforcement, to ensure no unauthorised waste is accepted. These procedures will include: pre-acceptance checks, an approved suppliers list, basic characterisation, and visual checks against the declaration on the waste transfer note. In the event that unauthorised waste is delivered to the site, the waste will be segregated and stored in a designated quarantine/isolation area prior to export from site.

3.1.2 Fire

The waste types authorised to be accepted on site are inert in nature and therefore will not readily burn.

To prevent and minimise the potential impact of fire, the following action will be taken:

- Flammable wastes and incompatible materials will not be accepted at the site;
- The plant inspection schedule will include checks of electrical equipment within the site to ensure that any faults are identified and repaired. Any faults which are identified during these checks will be reported and repaired;
- Fire extinguishers will be provided at designated locations;
- Smoking will not be permitted in the operational areas of the site;



- Working practices will ensure the assessment of fire hazards and training of employees in fire prevention e.g. the use of fire extinguishers and emergency procedures; and
- No wastes will be burned on site and any fire at the site will be treated as an emergency.

In the event of a major fire, the following action will be taken:

- The Site Manager and Fire Rescue Service will be notified immediately and the EA as soon as practicable;
- The burning area will be isolated, and attempts will be made to extinguish the fire utilising the on-site fire extinguishers if safe to do so;
- Prevent, if possible, contaminated site drainage from entering unsurfaced ground; and
- The site will be evacuated.

3.1.3 Loss of Containment

Machinery fuel and oils will be stored onsite. Storage will be fit for purpose including either / or bunded containers or within lockable containers on a fixed pad separate from the void. The container area will be fenced off and locked.

Loss of containment could lead to spillage and leakage of potentially contaminating liquids. To prevent loss of containment and minimise the risk and impact of releases the following measures will be implemented:

- All vehicles and mobile plant will be subject to a programme of planned preventative maintenance in accordance with the manufacturer's recommendations to prevent oil/fuel leaks from vehicles;
- Spill kits will be kept on site; and
- Site staff will undertake daily visual inspections to identify any evidence of spillage or leakages. The results of any inspections or investigations will be recorded.

In the event of any potentially polluting leak or spillage occurring on site, the following action will be taken:

- Minor spillages will be cleaned up immediately using sand or proprietary absorbent. The resultant materials will be placed into containers and will be removed from site and disposed of at a suitably permitted facility. The incident will be logged in the site diary.
- Any dry wastes spilled on site will be collected and transported to the appropriate area of the site.
- In the event of a major spillage, which is causing or is likely to cause polluting emissions to the environment, immediate action will be taken to contain the spillage and prevent liquid from flowing outside the EP boundary. The spillage will be cleared immediately and placed in containers for offsite disposal, and the EA will be informed.

3.1.4 Security and Vandalism

The following security measures are in place:



- Site perimeter: Fencing along the site boundary consisting of a mixture of palisade, chain and wire mesh. The southern and eastern boundaries additionally have areas of thick vegetation
- Inspection: Gates and fencing extending around the site will be inspected at the commencement of each working day by the operations staff to identify the need for any repairs;
- Maintenance and repair: Fencing and gates will be maintained and repaired to ensure their continued integrity. In the event that damage is sustained, repairs will be made within 24 hours. If this is not possible, suitable measures will be taken to prevent any unauthorised access to the site and permanent repairs will be affected as soon as practicable;
- Authorised Access System: All visitors to the site will be required to register in the visitor's book and sign out again on exit to minimise the risk of unauthorised visitors being present on site; and
- Monitoring techniques: Operational procedures, including regular inspections will ensure continual monitoring of security provision at the site.

In the event of a breach of security at the site, the cause will be investigated, and appropriate mitigation measures implemented. This will be recorded in the Site Diary. Records maintained will include inspections and maintenance of security fencing and the gate, breaches of security, investigations and actions taken.

3.1.5 Flooding

According to the EA's Flood Map for Planning Service¹, the site lies within a Flood Zone 1 and therefore has a low probability of flooding from rivers and the sea.

An evacuation plan will be implemented in the unlikely event of a flood.

In the event that an accident occurs, or additional risks are identified, the Site Manager is responsible for carrying out an investigation to determine the cause and implementing remedial action prior to logging this in the Site Diary.

3.2 Contingency Plans and Procedures

The site will implement a contingency plan to ensure that the following are achieved:

- Compliance with all EP conditions and operating procedures during maintenance or shutdown at the site;
- No exceedance of limits in the EP and that appropriate measures for storing and handling waste continue to be applied; and
- Cessation of waste acceptance unless there is a clearly defined method of recovery and enough permitted capacity on site.

3.3 Facility Decommissioning

The site will require a simple decommissioning consisting of the mechanical and electrical removal of all plant and equipment. There will be no subsurface tanks or pipework, drains or potential dusty insulation to remove.

¹ EA flood map for planning service – Available at: <https://flood-map-for-planning.service.gov.uk/>, accessed June 2024.



The decommissioning plan will demonstrate that:

- The plant can be decommissioned without causing pollution; and
- The site will be returned to a satisfactory state.



4.0 Operations

4.1 Hours of Operation

The proposed operating hours of the site are:

- Monday to Friday – between 0700 to 1900
- Saturday – between 0800 to 1300

The site will not be operational on Sundays or Public Holidays.

4.2 Process Description and Site Operations

The proposed site will operate under a bespoke EP to facilitate the use of suitable waste in the restoration of Clockhouse Quarry as a deposit for recovery operation.

4.2.1 Deposit for Recovery Activity

Permitted activities as part of the deposit for recovery activity will consist of the receipt, handling, and deposit of suitable waste onto land for restoration purposes.

The area of the quarry subject to the permanent deposit of waste is approximately 12 hectares in size. The restoration scheme aims to reintegrate the quarry into the wider landscape. The scheme consists of multiple land uses including the retention of the existing woodland areas, new woodland planting, creation of acid grassland, and various water features including six ecological ponds with reed bed fringes and raised bank features, and a conservation pond with wetland marsh. The approved restoration scheme is illustrated on Drawing No: 002 submitted under Planning Permission MO/2023/0789.

The site will require approximately 686,000m³ of waste for restoration purposes. The site will accept up to 500,000 tonnes per annum (tpa) for the purposes of waste deposit for recovery. This volume has been calculated by comparing existing ground levels at the Site to the approved restoration profile, as shown on Drawing No: Clh-INF-1223-01a Rev A Proposed Infill Contours dated July 2024, an approved plan in the Planning Permission for the approved scheme (MO/2023/0789).

The works will comprise of a phased restoration of the site, as shown in Drawing No: DR-0200 ,

The proposed EP boundary is illustrated on Drawing 001.

The Site is accessed off Horsham Road (A24) which runs to the west of the site.

The wastes will be weighed at the weighbridge. On arrival at the weighbridge, delivery vehicles will undergo the following checks and procedures:

- Visual inspection to ensure the load complies with the description provided on the waste transfer note;
- New drivers will be informed of site safety procedures;
- The relevant paperwork, including Duty of Care, will be inspected; and
- The registration of the carrier will be checked.

If at this stage the checks identify the wastes as being compliant, the driver of the vehicle will be directed to the active tip face to discharge their load. A secondary visual inspection will take place at this stage.

Random samples of waste will be collected by the site operatives for confirmatory testing.



4.2.2 Crushing/Screening Activity

It is noted that there may be an occasional requirement to crush and/or screen minimal volumes of wastes accepted under the EP prior to these wastes being permanently deposited. Screening and crushing plant will be situated within working phases, away from the EP boundary and receptors.

Crushing and screening will only be undertaken when required, as determined by the Site Manager. The purpose of the crushing and screening is to produce for example a better specification of material for the top restoration layer.

4.3 Specified Waste Management Activities

The specified waste management activities that will be carried out at the site as part of the waste recovery operations are as follows:

- **R3:** Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)
- **R5:** Recycling / reclamation of inorganic compounds – for the use of waste for the purpose of restoration of land.
- **R10:** R10: Land treatment resulting in benefit to agriculture or ecological improvement
- **R13:** Storage of waste pending any of the operations numbered R5

4.4 Waste Types

4.5 Site Infrastructure and Equipment

Only suitable waste material will be used in the restoration of the site. The clean, suitable waste types will come from multiple sources and will consist of materials such as soils, and overburden recovered from local construction projects. The site will accept up to 686,000m³ of waste for restoration purposes, which equates to approximately 1,234,000 tonnes of waste at an assumed density of 1.8 t/m³. The Site will accept up to 500,000 tonnes per annum (tpa) for the purposes of waste recovery.

The waste types which will be used for the development have historically been accepted by the EA as being potentially suitable for recovery (and are listed in the EA's "*Check if Your Waste is Suitable for Deposit for Recovery*" Guidance²).

All waste accepted will be suitable for the activity, and no contaminated materials will be accepted. Documentation will accompany all waste material accepted, which will be reviewed in accordance with the site's waste pre-acceptance and acceptance procedures, included within the Operating Techniques (OT) document, to ensure any materials used are suitable for use in the restoration operations.

The waste categories which will be accepted, and for what purpose are detailed in the following tables:

- Table 4-1 which lists waste types to be deposited below the water table;
- Table 4-2 which lists waste types to be used as general fill; and
- Table 4-3 which lists waste types for the restoration layer.

² [Check if your waste is suitable for deposit for recovery - GOV.UK \(www.gov.uk\)](https://www.gov.uk/guidance/check-if-your-waste-is-suitable-for-deposit-for-recovery)



Table 4-1 Wastes to be accepted for below the water table

Waste Code	Description	Comments
01	Wastes resulting from exploration mining, quarrying and physical and chemical treatment of minerals	
01 01	wastes from mineral excavation	
01 01 02	wastes from mineral non-metalliferous excavation	Restricted to waste overburden and interburden only.
01 04	wastes from physical and chemical processing of non-metalliferous minerals	
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07	
01 04 09	waste sand and clays	
17	Construction and demolition wastes (including excavated soil from contaminated sites)	
17 01	concrete, bricks, tiles and ceramics	
17 01 01	concrete	low contents of other types of materials (like metals, plastic, soil, organics, wood, rubber, etc). The origin of the waste must be known.
17 01 02	bricks	
17 01 03	tiles and ceramics	
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil	
17 05 04	soil and stones other than those mentioned in 17 05 03	To exclude topsoil and peat. To exclude soils and stones from contaminated sites.
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions	
20 02	garden and park wastes (including cemetery waste)	
20 02 02	soil and stones	To exclude topsoil and peat.

Table 4-2 Wastes to be accepted for General Fill

Waste Code	Description	Comments
01	Wastes resulting from exploration mining, quarrying and physical and chemical treatment of minerals	
01 01	wastes from mineral excavation	
01 01 02	wastes from mineral non-metalliferous excavation	Restricted to waste overburden and interburden only.
01 04	wastes from physical and chemical processing of non-metalliferous minerals	
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07	



Waste Code	Description	Comments
01 04 09	waste sand and clays	
10	Wastes from thermal processes	
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products	
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)	
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them	
10 13 14	waste concrete and concrete sludge	
17	Construction and demolition wastes (including excavated soil from contaminated sites)	
17 01	concrete, bricks, tiles and ceramics	
17 01 01	concrete	low contents of other types of materials (like metals, plastic, soil, organics, wood, rubber, etc). The origin of the waste must be known.
17 01 02	bricks	
17 01 03	tiles and ceramics	
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	
17 03	bituminous mixtures	
17 03 02	bituminous mixtures other than those mentioned in 17 03 01	Road plannings only. This material will only be used for the creation of the access track (if required).
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil	
17 05 04	soil and stones other than those mentioned in 17 05 03	To exclude topsoil and peat. To exclude soils and stones from contaminated sites.
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use	
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified	
19 12 09	minerals (for example sand, stones)	Restricted to wastes from treatment of waste aggregates that are otherwise naturally occurring minerals. Does not include fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard.
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions	



Waste Code	Description	Comments
20 02	garden and park wastes (including cemetery waste)	
20 02 02	soil and stones	To exclude topsoil and peat.

Table 4-3 Wastes to be accepted for the Restoration Layer

Waste Code	Description	Comments
01	Wastes resulting from exploration mining, quarrying and physical and chemical treatment of minerals	
01 01	wastes from mineral excavation	
01 01 02	wastes from mineral non-metalliferous excavation	Restricted to waste overburden only.
02	Waste from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing	
02 04	wastes from sugar processing	
02 04 01	soil from cleaning and washing beet	
17	Construction and demolition wastes (including excavated soil from contaminated sites)	
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil	
17 05 04	soil and stones other than those mentioned in 17 05 03	To exclude soils and stones from contaminated sites. Topsoil and peat will only be used in the top 50cm of the restoration layer.
17 05 06	dredging spoil other than those mentioned in 17 05 05	
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use	
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified	
19 12 09	minerals (for example sand, stones)	Restricted to wastes from treatment of waste aggregates that are otherwise naturally occurring minerals. Does not include fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard.
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions	



Waste Code	Description	Comments
20 02	garden and park wastes (including cemetery waste)	
20 02 02	soil and stones	Topsoil and peat will only be used in the top 50cm of the restoration layer.

Strict Waste Acceptance Procedures (WAP) will be implemented at the Site to ensure that only uncontaminated materials that are suitable for the deposit for recovery operation. Procedures will be in place to inspect imported materials at the weighbridge as they enter the Site, and again when the materials are tipped in the restoration.

4.5.1 Site Identification Board

A site identification board which is easily readable from outside the entrance during hours of daylight is located at the barrier entrance to the site.

The identification board will be inspected at least once per week. In the event of damage or defect that significantly affects the legibility of the board it will be repaired or replaced within a timescale agreed upon with the EA.

The board will display the following information:

- Site name and address;
- Permit holder;
- Permit number;
- Emergency contact name and telephone number;
- EA national telephone numbers; and
- Days and hours site is open to receive waste.

4.5.2 Plant and Equipment

The following items of plant and equipment will be held on site:

Table 4-4 Plant and Equipment

Plant	Typical Model Type	Number in Operation
Bulldozer	CAT D6 (hybrid)	1
360 Excavator	CAT 320	2
Dump truck	Volvo A25G	1
Compactor	Hydraulic vibratory compactor	1
Tractor/water bowser	-	1
Road Sweeper	Johnston VT651	1
Tippers	Aggregates & Asphalt Insulated Tipper - x8	-
Wheel Wash	-	1
Crusher	McClosky J45 crusher or similar	1
Screener	Warrier 1400X power screen or similar	1



Heavy Goods Vehicles (HGVs) will be present on the site when waste loads are delivered to the site. In accordance with planning, a maximum of 100 loads will access the site per day (42 loads on Saturdays). HGVs will not be stored on the site.

4.5.3 Plant Maintenance

All maintenance audits and monitoring will be carried out in accordance with the Manufacturer's specifications.

- A Maintenance Checklist will allow all site operatives to actively take part in the site's maintenance schedule.

The checklist is completed and maintained by the Site Manager, with the following information compiled:

- The item that requires maintenance;
- How often maintenance needs to be carried out (daily, weekly, monthly, or yearly);
- A record of any particular maintenance instructions; and
- Who on site is responsible for each maintenance check.

The checklist ensures that all site operatives are aware of their particular responsibilities for maintenance checking. The Site Manager ensures that all site operatives are aware of any amendments and additions to the checklist.

When a maintenance issue is dealt with, a maintenance record form is completed for each separate piece of equipment or infrastructure. The record form will include the following information to be recorded:

- The item requiring maintenance;
- The frequency of the required maintenance;
- Completed date and who carried out by; and
- Any particular comments.

The record forms will be kept in the site office to ensure there is access for all site operatives to the records.

The following control measures will be in place to reduce emissions as much as possible during operations:

- Use of low sulphur fuel;
- Mobile plant to be switched off when not in use.



5.0 Waste Pre-Acceptance, Acceptance and Tracking

5.1 Waste Pre-Acceptance

The waste pre-acceptance and acceptance procedures are fully detailed in Appendix B.

6.0 Emissions Control

6.1 Point Source Emissions to Air

The site will be operated so that there are no point source emissions to air.

6.2 Fugitive Emissions to Air

6.2.1 Dust

The site will be managed in accordance the Dust and Emissions Management Plan (DEMP) (ref. 402.065294.00001_DEMP).

To summarise, in order to minimise the emissions of dust from the facility, the following measures will be implemented:

- Speed limits (10 mph) will be implemented for vehicles using the site;
- Site access roads, haul roads and operational areas will be maintained to minimise emissions of dust;
- All roads and operational areas will be swept where necessary to reduce dust emissions with a road sweeper;
- Suitable fill will be transported to the site by enclosed or sheeted HGVs;
- No deposit of dusty waste shall occur during high winds or if dust suppression water is unavailable;

In the event that significant dust is observed at the boundaries of the operational areas, action will be taken to suppress the dust; and a record of the inspection findings and remedial action taken made in the Site Diary.

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The Site manager will be responsible for implementing the DEMP.

6.3 Point Source Emissions to Water

The EP application seeks to permit the discharge of surface water run-off to a tributary of the Fylls Brook. The discharge consent will contain conditions that replicate the conditions an existing discharge consent held by Forterra Building Products Ltd ('Forterra'). Full details are provided in The Point Source Emissions Supporting Document and HRA included in Section 13 and Section 9 respectively.

6.4 Fugitive Emissions to Land and Water

6.4.1 Containment Bunding

Machinery fuel and oils will be stored onsite in bunded containers on a fixed pad separate from the infilling operations..



6.4.2 Litter

The proposed waste types to be accepted on site will not generate litter. Strict WAP will be followed to ensure that no unauthorised waste is accepted on site.

The Site Manager will be responsible for implementing risk management measures in accordance with appropriate procedures.

6.4.3 Mud and Debris

The site is accessed off the Horsham Road (A24). Within the site the following measures will be taken in order to prevent the deposition or tracking of mud and debris from the site onto public areas or highways:

- An adequate area of hard surfaced road between site activities and the site entrance/exit will be maintained to reduce the amount of mud and dirt the vehicles leaving the site can pick up;
- The site will benefit from good housekeeping and site roads will be maintained free of significant quantities of mud and debris. All areas of the site will be cleaned daily, to minimise transfer of mud from site;
- All operational areas will be subject to monitoring by staff throughout the working day to identify accumulations of mud requiring remedial action;
- Where necessary road cleaning equipment will be deployed;
- All vehicles leaving operational areas will be checked to ensure that they are clear of loose waste; and
- Before leaving the site, vehicles will be cleaned as necessary using the wheel wash at the entrance to the wider site and checked to ensure their load is secure.

In the event that mud, debris, or waste arising from the site is deposited onto public areas outside the site, the following remedial measures will be implemented:

- The affected public areas outside the site will be cleaned;
- Traffic will be isolated from sources of mud and debris within the site to prevent further tracking and measures will be taken to clear any such sources as soon as practicable; and
- If required, provision will be made for road sweepers on the site access roads to stop any mud being carried onto public roads, and bowlers made available to damp down areas during dry periods to ensure that dust is not a problem.

The Site Manager will be responsible for implementing risk measures.

6.5 Odour

Due to the nature of the waste accepted on site, odour will not pose a significant risk. No specific management measures are considered necessary.

Strict WAP on site will be enforced to ensure that no unauthorised waste will be accepted on site to minimise the chance of odorous waste being on site.

6.6 Noise

The site will be managed in accordance with the Noise Impact Assessment and Noise Management Plan, so as to minimise noise emissions from the site. Measures that will be taken at the site include but aren't limited to:



- Any site operations including vehicles and site machinery will be restricted to only operate during operational hours as described in Section 5.2.1 above;
- On-site plant will be turned off when not in use;
- Plant will be fitted with noise silencers if necessary;
- All site plant will be operated and maintained in accordance with manufacturers specification, to reduce any unnecessary noise pollution;
- Speed limits (10 mph) will be implemented for vehicles on site and traffic calming measures introduced to help enforce these speed limits;
- Site access and operational areas will be maintained and repaired to an appropriate standard, to reduce any unnecessary noise emissions due to uneven/poor surfacing;
- Drop heights for waste deposition will be minimised to minimise noise emissions; and
- All visitors and haulage companies will be made aware of the noise procedures.

Auditory inspections will be carried out daily by site operatives and in response to complaints. If noise levels are deemed a nuisance, then a full investigation of mitigation measures will be carried out.

If a complaint is received, it will be logged in the Site Diary. The Site Manager will be responsible for investigating the complaint and taking action to identify the source of the noise and implement remedial measures where appropriate.

6.7 Pests

Due to the 'inert' nature of the wastes proposed to be accepted at the site, pests will not pose a risk at the facility. No biodegradable or putrescible waste will be accepted on site and strict WAP will ensure that no unauthorised wastes are accepted.

It is noted that SUEZ will follow its standard procedures for pest control, which involves daily inspections and use of a pest-control approved supplier in the event of pest control being required.



7.0 Information

All relevant notifications and submissions to the EA regarding the site will be made in writing and quote the EP reference number and the name of the EP holder.

Records will be maintained for at least six years, however in the case of off-site environmental effects, and matters which affect the condition of land and groundwater, the records are to be kept until EP surrender. Duty of Care records will be kept for a minimum of two years.

7.1 Reporting and Notifications

7.1.1 Changes in Technically Competent Persons

The EA will be informed in writing of any changes in the technically competent management of the site and the name of any incoming person, together with evidence that such person has the required technical competence.

7.1.2 Waste Types and Quantities

A summary report of waste types and quantities accepted at the site for each quarter, will be submitted to the EA within one month of the end of the quarter unless otherwise required by the permit conditions.

7.1.3 Relevant Convictions

The EA will be notified of the following events:

- SUEZ being convicted of any relevant offence; and
- Any appeal against a conviction for a relevant offence and the results of such an appeal.

7.1.4 Notification of Change of Operator's or Holder's Details

The EA will be notified of the following:

- Any change in the operator's trading name, registered name or registered office address; and
- Any steps taken with a view to the company going into administration, entering into a company voluntary arrangement or being wound up.

7.1.5 Adverse Effects

The EA must be notified without delay following the detection of the following:

- Any malfunction, breakdown or failure of equipment or techniques;
- Any accident;
- Fugitive emissions which have caused, is causing or may cause significant pollution; and
- Any significant adverse environmental and health effect.



Appendix A Integrated Management System Summary



Appendix B Waste Acceptance Procedures





Making Sustainability Happen