

FACTORY ROAD RECYCLING FACILITY

**Environmental Permit Application
Operating Techniques and Management System**

Prepared for: Holystone Group Limited
Environmental Permit Ref: EPR/LB3209TU/A001

SLR Ref: 416.08484.00004
Version No: 2
July 2023



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1.0 INTRODUCTION

1.1 Report Context

Holystone Group Limited has retained SLR Consulting Limited (SLR) to prepare an environmental permit (EP) application for the Factory Road Recycling Facility, in Blaydon, NE21 5RU, under the Environmental Permitting (England and Wales) Regulations (as amended) 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 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 Factory Road.

This OT document is supplemented by the following documents submitted in the 2022 EP application:

- Non-Technical Summary;
- Environmental Risk Assessment;
- Site Condition Report;
- Dust and Emissions Management Plan; and
- Associated Drawings.

1.2 Site Location

The site lies within the town of Blaydon, which lies within the Metropolitan Borough of Tyne and Wear. The site lies adjacent to the River Tyne along the western boundary and south west of the city centre of Newcastle-upon-Tyne in a predominately industrial area. The National Grid Reference (NGR) for the site is NZ 18905 63744 and the site location is illustrated on Drawing 001.

The closest residential properties lie 520m to the south west along East View Rd. The site is accessed off Factory Road located adjacent to the south eastern site boundary, which is shared with various other businesses within the industrial area.

The site lies within 11m of the River Tyne which is classified as a Local Wildlife Site (LWS) along the north western site boundary.

Shibdon Pond which is designated as a Site of Special Scientific Interest (SSSI) is located approximately 760m to the south east of the site's boundary.

The surrounding land uses and local receptors within 500m and cultural and natural heritage receptors within 2km are identified on Drawing 003.

A summary of the site's immediate surrounding land uses is identified in Table 1-1 below.

**Table 1-1
 Surrounding Land Uses**

Boundary	Description
North	Scrap metal dealer and North East Ambulance Service NHS Trust and surrounding industrial/commercial properties.
East	Industrial premises, Factory Rd lies adjacent to the site boundary, beyond this is the A1.
South	Industrial premises, Blaydon Highway and beyond this is Shibdon Pond (Site of Special Scientific Interest).
West	River Tyne (Local Wildlife Site) and North East Ambulance Service NHS Trust, industrial premises, residential properties within and around the town of Blaydon which is situated south west of the site.

1.3 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 8** Information

1.4 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	May 2022	SLR	Original
2	July 2023	SLR	Additional of street cleaning residues waste code

2.0 GENERAL MANAGEMENT APPROPRIATE MEASURES

2.1 Management System

This bespoke OT will be implemented on site by Holystone and will 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.

2.2 Management Structure and Responsibilities

The Site Manager will be responsible for day to day operations and compliance with the OT 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 permit 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.

Holystone'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.

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 operation, and annually.

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.

2.4 Site Security

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

- Fencing along the wider site boundary;
- CCTV system;
- A gate located at the entrance to the wider site, which will be locked when the site is closed; and
- All visitors to the 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 will be inspected at the commencement of each working day to identify any deteriorations and 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

A Site Condition Report (SCR), (reference 416.08484.00004/SCR) dated July 2022 has been prepared in support of this EP application, setting out the baseline conditions of the site for comparison at the point of surrender.

This will be updated during the operational life of the site as appropriate. To assist with permit surrender, records will be maintained to demonstrate how the land has been protected at all times between the date of permit issue and surrender.

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;
- Targets;
- 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 on site and kept for a minimum of 2 years.

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

Holystone 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.

3.1.1 Hazard Identification

The following potential hazards have been identified in the Environmental Risk Assessment (ERA) that was prepared using the ERA methodology and has been 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.

Unauthorised Waste

The acceptance of unauthorised materials could result in unacceptable wastes being deposited at the site. The Waste Acceptance Procedure (WAP) will be implemented on site with strict enforcement, to ensure no unauthorised waste is accepted. The procedures will include: pre-acceptance checks, an approved suppliers list, basic characterisation and visual checks against the declaration on the 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.

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 and buildings will be evacuated.

Loss of Containment

There is 1 fuel tank located within the EP boundary.

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 then 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.

3.1.2 Security and Vandalism

The following security measures are in place:

- Site perimeter: the site benefits from fencing around the perimeter of the facility;
- Lockable gates: the site benefits from gates at the wider site entrance which will be locked outside of operational hours;
- CCTV Security system around the site;
- Inspection: gates and fencing extending around the site will be inspected daily by the operations staff to identify deterioration and damage, and the need for 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 Daily Site Log. Records maintained will include inspections and maintenance of security fencing and the gate, breaches of security, investigations and actions taken.

3.1.3 Flooding

There are no surface water features within the site boundary.

The Site lies within a Flood Zone 1, which is defined as "land having a less than 1 in 1,000 annual probability of river or sea flooding", and therefore has a very low probability of flooding.

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 are continued 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.

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 Process Description and Site Operations

The washing plant will treat wastes by **sorting, crushing, screening, washing and separating** the material into different size fractions suitable for use as recycled aggregate, sand or soils. The process will also remove metal, wood and residual organics. A detailed drawing of the soil washing plant is included as Drawing AER19-0238-00.

Waste materials will be fed into a scalping unit to remove excess oversized material (which will be subsequently crushed) before passing into the washing equipment. A magnet will extract ferrous metals before the material enters the wash plant. The unit will screen 50mm and oversize material for subsequent crushing, with the remaining material passing through the unit, designated for attrition, to remove adherent clays and sizing. The unit will include a floatation stage to remove silt/clay and lighter density contaminants (e.g. wood, plastic) to produce clean, organic free aggregates.

Wash water from the unit will be collected and returned through the process to recover fines. Hydrocyclones will be used to separate coarse and fine sand fractions which are dewatered to provide clean and ready-to-handle materials for stockpiling.

Dirty water from the hydrocyclones will be treated in the integral water management system where a flocculant will be used to coagulate suspended solids in a thickener. The thickened mud will then be screened and dewatered in a filter press. The resulting filter cake will be stored in a bay directly below the plate filter press. The filter cake will be removed from the bay on a daily basis and no material will be left in the bay overnight or over a weekend. The filter cake will be tested and classified to determine the possible outlets for the material offsite.

Process water will be recycled and transferred to a storage tank for re-use in the process. The process is capable of recycling 90% of the input water and there will be no effluent produced from the process

4.2 Specified Waste Management Activities

The recycling facility treatment process will be covered in the EP as a waste activity. The facility will screen, wash and separate material into different size fractions suitable for use as recycled aggregate, sand or soils.

The activities that will be carried out at the site as defined under Annex II of the Waste Framework Directive can be summarised as follows:

- **R3:** Recycling/reclamation of organic substances which are not used as solvents;
- **R5:** Recycling/reclamation of other inorganic materials; and
- **R13:** Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where is produced).

4.3 Waste Types and Quantities

The EWC waste list is shown in Tables 4-1 below.

Table 4-1 Waste List

Waste Code	Description
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
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
17 09	Other construction and demolition wastes
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.
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)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	Wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
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
20 03	Other municipal wastes
20 03 03	Street-cleaning residues

4.4 Site Infrastructure and Equipment

4.4.1 Site Identification Board

A site identification board which is easily readable from outside the entrance during hours of daylight will be provided by the main site entrance.

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.

4.4.2 Plant and Equipment

The following items of plant and equipment will be held on site from time to time. This is not a fixed list of plant:

- 1 x soil washing plant;
- 1 x 360 excavator; and
- 1 x loading shovel.

Additional plant and equipment including, but not limited to, water bowser, spray equipment and road sweeper are made available as required.

All items of plant and equipment used on site will be maintained in accordance with manufacturer's recommendations.

4.4.3 Plant Maintenance

All maintenance audits and monitoring will be carried out in accordance with the Manufacturer's specifications, which are kept in the site office or available online.

Holystone will take a proactive approach involving a planned preventative maintenance program for the site. 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.

In the event that plant replacement is required, Holystone will choose new plant with the lowest emission standard available at the time of purchase.

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 to avoid idling; and
- Planned, preventative maintenance schedule to be rigidly followed to avoid the operation of poor performing or inefficient plant.

5.0 WASTE PRE-ACCEPTANCE, ACCEPTANCE AND TRACKING

5.1 Waste Pre-Acceptance

The waste pre-acceptance procedures follow a risk-based approach considering:

- The source and nature of the waste;
- Potential risks to process safety, occupational safety and the environment (for example from odour and other emissions); and
- Knowledge about the previous waste holder(s).

The objective of the waste pre-acceptance procedure is to evaluate customer information at the enquiry stage to determine whether the waste could be accepted at the site.

The waste producer/holder will be required to send the necessary waste characterisation information to Holystone in advance of delivery of waste materials to the site.

This information enables Holystone to determine whether the waste stream can be accepted at the site.

No waste will be accepted at the site unless the necessary characterisation information has been received in advance and approved for receipt.

Both new and existing customers will be required to provide characterisation information for each new waste stream.

The waste producer/holder must provide the following waste characterisation information for each new waste stream proposed for treatment at the facility. The description must include the following:

- Waste source and origin;
- The process producing the waste (including a description of the process, its SIC code and characteristics of the waste types used to comprise the batch of material);
- The waste treatment applied;
- The appearance of the waste (including smell, colour, consistency and physical form); and
- Analysis and determination of waste code in accordance with WM3.

An assessment of the reliability of the information received by Holystone including:

- Ensuring all waste analysis certificates are complete, and analysis has been carried out for all relevant parameters;
- Analysis has been carried out by well-known and reputable laboratories which hold suitable quality accreditation and have used relevant test methods;
- Ensuring that the analytical information is provided in secure PDF format;
- Undertaking a visit to the waste producer's site; and
- Ensuring that data is current and relates to the waste proposed for delivery to the site.

5.2 Waste Acceptance

The site will implement waste acceptance procedures to check that the characteristics of the waste received matches the information provided during waste pre-acceptance. This will ensure the waste is as expected and that it can be accepted at the site.

The procedure will follow a risk-based approach considering:

- The source, nature and age of the waste;
- Potential risks to process safety, occupational safety and the environment;
- The potential for self-heating; and
- Knowledge about the previous waste holder(s).

All vehicles bringing waste material to the site will report to the weighbridge or site office. All wastes will undergo a visual inspection during deposition to confirm its description and composition against the relevant accompanying documentation.

Waste will only be stored and treated at the site if the description in the accompanying documentation is in accordance with the EP and that onsite inspection confirms the waste is consistent with the description provided.

Should the wastes be found not to conform during the visual inspection, then the details will be recorded, and the waste will be removed to the designated quarantine area as appropriate.

Records of non-compliant waste received at the site will include details on:

- The quantity;
- Characteristics;
- Origin;
- Delivery date and time; and
- The identity of the producer and carrier.

Waste will not be accepted unless the site is adequately resourced to receive the waste.

The quantity of waste accepted and despatched from the facility will be calculated by recording the volume of waste entering the site and the application of standard EA conversion factors as appropriate or via a weighbridge.

A record will be kept in the site diary of all rejected wastes. In the event of non-conformance, the waste producer and the EA will be notified.

5.2.1 Waste Acceptance and Processing of Street Cleaning Residues

The Waste Acceptance Procedures for material accepted under 20 03 03 follow the same procedure as detailed in section 5.2 above. A number of additional steps will be taken to ensure that 20 03 03 material is kept separately from all other input material. The steps are as follows:

- 20 03 03 input material will be processed through the wash plant on a campaign basis separately from all other input materials;
- All stockpile areas and bays associated with the soil washing plant will be cleared of aggregate and washed down before a campaign begins; and
- The resulting aggregate from the soil washing process will be stored separately within a designated bay and there will be no mixing with other 'end of waste' material.

5.3 Hours of Operation

The proposed operating hours of the site are between 7am – 5.30pm Monday to Saturday. No operations will be undertaken on Sundays and Bank Holidays.

5.4 Load Inspection and Waste Control

All vehicles bringing waste material to the site will report to the weighbridge where the load will be visually inspected, where possible, to confirm its description and composition against the relevant accompanying documentation. All wastes will undergo a further visual inspection during deposition.

Waste will only be accepted at the site if the description in the accompanying documentation is in accordance with the EP and that onsite inspection confirms the waste is consistent with the description provided.

Should the wastes be found not to conform during the initial visual inspection, then the details will be recorded, and the vehicle turned away. If wastes have already been discharged and are deemed not to conform or otherwise not be permitted, then the waste will be:

- Reloaded on to the delivery vehicle; or
- Removed to a designated quarantine area as appropriate.

Records of non-compliant waste received at the site will include details on:

- The quantity;
- Characteristics;
- Origin;
- Delivery date and time; and
- The identity of the producer and carrier.

Waste will not be accepted unless the site is adequately resourced to receive the waste.

A record will be kept in the Site Diary of all rejected wastes. In the event of non-conformance, the waste producer and the EA will be notified.

5.5 Quarantine Procedure

The quarantine and rejection procedures will ensure that all non-confirming waste is removed from the site and that the waste producer and carrier are informed so that appropriate action can be taken to prevent recurrence.

Non-conforming waste will be identified by either the Site Control Clerk at the Site Control Office, or by Site Operatives at the operational area. Non-conforming waste will be identified by visual and olfactory means.

If unauthorised waste is identified it will be moved to a temporary quarantine storage area, before being exported from the site.

5.6 Means of Measurement (Tracking)

The quantity of waste accepted and despatched from the facility will be measured via the weighbridge.

A register of the quantities and characteristics of waste accepted at the site will be maintained on a computerised database. The database will include the following details:

- Date of delivery;
- Waste quantity;
- Waste description and classification code; and

Waste producer and/or carrier.

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 with the DEMP which is included as Section 6 of this EP application.

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

- Speed limits of 10 mph will be implemented for vehicles using the site;
- Site access and haul roads and operational areas will be maintained and repaired to minimise emissions of dust due to uneven and poor surfacing;
- All roads and operational areas will be swept where necessary to reduce dust emissions with a road sweeper used on haul roads as required;
- Waste will be transported to the site by enclosed or sheeted HGV's;
- Discharge heights will be kept as low as possible;
- Dusty wastes will be damped down prior to unloading to minimise dust generation;
- Dusty wastes will be deposited from tipper lorries as slowly as practicable to reduce dust generation;
- No deposit of dusty waste shall occur during particularly high winds or if dust suppression water is unavailable;
- Daily, visual inspection at all areas of the site and site boundary will be carried out by site personnel;
- In the event that significant visual 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 will be made in the site diary.

The Site Manager will be responsible for implementing the DEMP.

6.3 Point Source Emissions to Water (Including Sewer)

There will be no point source emissions to surface water or groundwater. There will be no direct discharges to sewer from operations at the site.

6.4 Fugitive Emissions to Land and Water

6.4.1 Engineered Containment

The site will be operated to prevent fugitive emissions to surface water and groundwater. The drainage arrangements for the site are illustrated on the Northumbrian Water drawing, dated 10 March 2022 – reference 655253/2091330.

Site surfacing will be maintained as required to ensure surfacing is fit for purpose. The surface will be maintained such that the working surface will;

- Remain even;
- Not be subject to settlement of differential settlement;
- Not be subject to rutting by vehicles even when wet;
- Have sufficient durability to allow cleaning, for example, by scraping; and
- Remain free of standing water.

All operational areas and quarantine areas will be inspected to ensure the integrity and fitness for purpose of their construction is maintained at all times.

6.4.2 Containment Bunding

Chemicals or fuel used on site will be stored in an appropriate tank that benefits from a bund with the capacity to store 110% of the tank capacity. Bunds will be:

- Impermeable and resistant to the stored materials;
- Have no outlet;
- Be designed to catch leaks from tanks or fittings;
- Have a capacity greater than 110% of the largest tank or 25% of the total tankage (whichever is greater);
- Have pipework routed within bunded areas with no penetration of contained surface;
- Have tanker connection points within the bund; and
- Be subject to regular visual inspection.

6.4.3 Litter

The proposed waste types to be accepted on site will not generate litter. Site waste acceptance procedures 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.

6.4.4 Mud and Debris

The access road for the Site is Factory Road. Within the site the following measures will be taken in order to prevent the deposition of 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 site can pick up;
- The site will benefit from good house keeping and site roads will be maintained free of significant quantities of mud and debris;
- 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;
- The site will benefit from daily road sweeps; and
- Before leaving the site, vehicles will be checked for loose debris and if required will be power washed.

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 bowsers 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 waste acceptance procedures 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 operated so as to minimise noise emissions from the site. Measures that will be taken at the site include:

- Any site operations including vehicles and site machinery will be restricted to only operate during daylight hours;
- On-site plant will be turned off when not in use;
- Plant will be fitted with noise silencers if necessary;
- Speed limits of 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 due to uneven/poor surfacing; and
- All visitors and haulage companies will be made aware of the noise procedures.

Auditory inspections will be carried out daily 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 that no unauthorised wastes are accepted.

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 permit 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:

- Holystone 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.

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