OPERATING TECHNIQUES & ENVIRONMENTAL MANAGEMENT SYSTEM

Contents

1. Introduction

1.1 Report Context

This section of the Environmental Permit application corresponds to Section 3 of Part C4 of the Environmental Permit application forms and specifically details the operating and management procedures for the proposed soil washing activity that will be in place at the site.

The existing Environmental Permit (EPR/GB3535RQ) for the site was issued in September 2012 and was subsequently varied in July 2023. The permitted activities comprise the treatment of wastes consisting of sorting, separation, screening, crushing, and blending of waste for recovery as soil, soil substitute or aggregate in addition to a Deposit for Recovery Activity.

Ashcourt are seeking to vary the existing Environmental Permit to incorporate the following changes:-

- Addition of a soil washing facility.
- Increase in the permitted tonnage comprising:-
- Increase in total storage on site to 75,000 tonnes.
- 400,000 tonnes per year annual throughput in Soil Washing.
- 535,000 tonnes per year annual throughput in total (75,000 existing soil and aggregate and 60,000 deposit for recovery).
- Addition of a number of new EWC codes associated with the soil washing activity.

This document is an integrated document which describes both the operating techniques that will be implemented at the site to ensure compliance with the conditions of the Environmental Permit and also demonstrate that appropriate measures will be employed. This report has been prepared to satisfy the requirements of the following and relates to the operation of the soil washing facility: -

- Environment Agency – Develop a management system: environmental permits (August 2022).
- Environment Agency – Control and monitor emissions for your environmental permit (May 2021); and,
- Environment Agency – Non-hazardous and inert waste: appropriate measures for permitted facilities (August 2023).

1.2 Site Location

Manton Quarry is located in North Lincolnshire, approximately 510m southeast of the village of Manton, within a predominately rural area. Kirton Lindsey is

located approximately 3.5km south of the site and Scunthorpe is approximately 9km to the northwest. The site can be accessed via Manton Lane which is located approximately 130m north of the site's boundary. The National Grid Reference (NGR) for the site is SE93976 02420.

The entire site is designated as a geological SSSI called Manton Stone Quarry SSSI. It is considered to be a key exposure of the more northerly development of the Lincolnshire Limestone. Four other SSSIs are located within close proximity. These include Cleatham Quarry which lies approximately 640m south, Cliff Farm Pit which is situated approximately 1170m south, Manton & Twigmoor which is located approximately 1290m north, and Messingham Sand Quarry which lies approximately 2490 northwest.

Most of the land surrounding the site is occupied by open/agricultural ground with a few quarries located within the surrounding area including Kirton Quarry and Landfill to the southeast, approximately 50m from the eastern site boundary.

The site's location and EP Boundary are illustrated on Drawing 001 V3.

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	Manton Stone Quarry SSSI is located immediately to the north, followed by Manton Lane. Beyond this lies open/agricultural land.
East	Immediately to the east lies Manton Quarry SSSI, the B1398, and Kirton Quarry and Landfill. Newlands Farm and open/agricultural land are also located in this direction.
South	Open/agricultural land and Cleatham Quarry SSSI are located to the south of the site
West	Manton Stone Quarry SSSI lies immediately to the west, followed by open/agricultural land. Beyond this lies Manton Village which is home to a number of residential properties.

1.3 Report Structure

This report describes the operating techniques that will be implemented at the site to ensure compliance with the condition 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

2. General Management Appropriate Measures

2.1 Management System

This OT and EMS will be implemented on site by Ashcourt (Lincolnshire) Ltd which ensures 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 Quarry Manager is responsible for day to day operations, compliance with the OT and EMS and the EP. The EP is included as Appendix 01 to this OT and EMS.

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 and EMS.

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.

Ashcourt (Lincolnshire)'s OT and EMS 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 requirements 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. The WAMITAB Certificates held by the technically competent persons are included as Appendix 02.

- 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 nonconformances, incidents or significant changes in operations, and annually; and
- All members of the management team including those responsible for overseeing site activities receive through 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 and EMS.

Hard copies of the this OT and EMS are available in the site office for all staff members 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;
- A gate located at the entrance to the site, will be locked when the site is closed;
- The site benefits from security lighting around the site; and
- All visitors to site will be required to sign in and out of the visitors book.

The site will be inspected at the commencement of each working day. 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 Environmental Permit

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 only includes the area which will be subject to the permanent deposit of waste, therefore a Site Condition Report (SCR) is not required for submission with the original EP application.

However, to assist in permit 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 control 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 electronically through WeighSoft. Drivers carry digital tablets

which receive sales orders generated by the office in Grimsby in an electronic format. All transactions are kept in a digital format indefinitely.

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 the 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.

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. Accident Prevention and Management Plan

Ashcourt 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, which 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 eth environment. Activities affecting the health and safety 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 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.

Unauthorised Waste

The acceptance of unauthorised materials could result in unacceptance wastes being deposited at the site. The site-specific Waste Acceptance Procedure 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.

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 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 Quarry 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.

Loss of Containment

There are no fuel tanks or liquid storage 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:

- A double bunded fuel tank will be held within the permit boundary, which will contain a barrier created by concrete lego blocks to prevent vehicle impacts. This will be covered through the Emergency Spill Response Procedure;
- 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 sad or proprietary absorbent. The resultant materials will be placed into containers and will then be removed from site an 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 & Vandalism

The following security measures in place:

- Site perimeter: the site benefits from fencing around the wider perimeter controlled by Ashcourt (Lincolnshire);
- Lockable gates: the site benefits from gates at the site entrance which will be locked outside of operational hours;
- Security lighting: the site benefits from security lighting around the site;
- Inspection: gates and fencing extended around the site will be inspected daily by the operations staff to identify deterioration and damage, and 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 possible.

- 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.

3.1.3 Flooding

There are no surface water features within the site boundary.

According to the EA flood map for planning service, the site lies within a Flood Zone 1 and therefore has a low probability of flooding.

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 Quarry 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 permit conditions and operating procedures during maintenance or shutdown at the site;
- No exceedance of limits in the permit 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. Operations

4.1 Process Description and Site Operations

All site activities will be undertaken in accordance with EA Guidance 'Non-hazardous and inert waste: appropriate measures for permitted facilities' (Appropriate Measures).

The soil washing facility will be to create recycled aggregates, soils and clays which are suitable for use in construction projects.

The proposal entails the operation of a soil washing facility that will process a maximum of 400,000 tonnes per annum of non-hazardous soils.

It is considered that the proposed soil washing activity will fall under the following Recovery and Disposal codes (R and D codes) shown in the following table, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.

R/D Code	Description of Activity
R3	Recycling/ reclamation of organic substances which are not used as solvents
R5	Recycling/reclamation of other inorganic compounds
R13	**Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)**

4.2 Hours of Operation

The proposed operating hours of the site are between 0700 and 1800 Monday to Friday and 0700 and 1300 on Saturdays, with no operations taking place on a Sunday or Bank Holiday.

4.2 Waste Types and Quantities

A complete list of waste codes for the permitted physical treatment activity and the proposed soil washing facility is provided in Appendix 6 of the Environmental Permit Application. The proposed soil washing activity will have an annual throughout of up to 400,000 tonnes per year.

4.3 Specified Waste Management Activity

4.3.1 Waste Pre Acceptance

All waste pre-acceptance procedures will be undertaken in accordance with Section 3.1 of the Appropriate Measures guidance.
Prior to accepting waste from new customers, Ascourt will obtain and record information on the types of wastes to be accepted, the process producing the waste, predicted quantities, the form of the waste and any potential hazards associated with the wastes.

The information provided is reviewed against the site permit and the site-specific requirements relating to incoming waste and discussed with the suitably trained nominated person.

If the waste is confirmed to be acceptable at the site, a contractual arrangement is made with the waste supplier. The contract details the criteria for acceptance/rejection of loads delivered to the site for processing.
Regular feedback on the quality of waste delivered to the site is provided verbally to each waste supplier.

If the waste is deemed unacceptable, the customer will be notified, and the waste will be immediately directed to the quarantine area.
The facility will require the following information in written or electronical form prior to acceptance in accordance with Section 3.1 of Appropriate Measures: -

- Details of the waste producer including their organisation name, address and contact details;
- A description of the waste;
- The waste classification code (also referred to as a List of Waste (LoW) or European Waste Classification code;
- The source of the waste (the producer's business and the specific process that has created the waste);
- Information on the nature and variability of the waste production process;
- Information about the history of the producer site if it may be relevant to the classification of the waste (for example soils and other construction and demolition arisings from a site contaminated by previous industrial uses);
- The waste's physical form;
- The waste's composition (based on representative samples if necessary);
- A description of the waste's odour and whether it is likely to be odorous; and,
- An estimate of the quantity you expect to receive in each load and in a year.

Following the assessment and classification of waste, the site operators will technically assess the suitability of waste with regard to the treatment and storage facilities on site to ensure the conditions of the permit are met. Should the waste comply, the site are permitted to accept the waste.

All records relating to the pre-acceptance will be kept for cross-reference a verification at the waste acceptance stage. These records will be kept for a minimum of 3 years.

Following the approval of accepting waste from a customer, the suitably trained nominated person relevant to their position will ensure that visual, physical, and odour-based checks are undertaken upon the receipt of waste. The criteria for non-conformance and rejection of waste will also be recorded, and the member of staff checking the waste can decide on additional parameters of how to check the waste.

4.3.2 Waste Acceptance

All waste acceptance procedures will be undertaken in accordance with Section 3.2 of the Appropriate Measures.

The suitably trained nominated person will ensure that all characteristics of the waste received matches the information provided during waste pre-acceptance. If the waste does not conform to the pre-acceptance information, site management will confirm if the permit allows it and if it can be handled appropriately. Otherwise, the waste will be rejected.

The waste acceptance procedures will follow a risk-based approach in accordance with Section 3.2 of Appropriate Measures, considering: -

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

The suitably trained nominated person will check that the relevant storage areas and treatment processes have the physical capacity to handle the waste. The site will not accept the waste if the capacity is not available, or if it would breach the permit to do so.

The waste will be visually checked and verified against pre-acceptance information prior to acceptance onto site. The extent of the visual check is based on the waste type and how it is packaged.

Clear criteria will be used to identify non-conforming wastes and wastes to be rejected. In the event that these wastes arrive on site, the written procedures for recording, reporting, and tracking non-confirming and rejected wastes will be utilised which include: -

- Using quarantine storage;
- Notifying the relevant customer or waste producer; and,

- Recording a summary of your justification for accepting non-confirming waste in your electronic (or equivalent) system.

The member of staff undertaking waste acceptance checks will be trained to effectively identify and manage any non-conformances in the loads received in order to comply with the Duty of Care and permit conditions.

Each load of waste will be weighed on arrival to confirm quantities against the accompanying paperwork which will be recorded in the waste recording system. The suitably trained nominated person shall then notify the driver to proceed to the relevant area on site.

Materials will be tipped directly into the stockpiles or deposited on the hardcore surface in front of the stockpiles, where mobile plant will be operated to move the material into the stockpiles.

4.3.3 Waste Rejection

All waste rejection procedures will be undertaken in accordance with Section 3.2 and 3.3 of the Appropriate Measures.

Any non-conforming loads will either be rejected from the site and redirected to an appropriate permitted facility at the responsibility of the third-party senders or placed in quarantine prior to removal from site. A record will be made in the Site Diary and comprehensive recording system.

Any non-conforming waste identified following tipping will either be reloaded into the delivering vehicle and rejected from the site or placed in quarantine prior to removal from site.

Quarantined wastes shall be removed from the site as soon as practicable. If the quarantine waste is infested or odorous, the waste will be removed within 24 hours or less. However, due to the nature of the waste accepted on site, it is not considered that infested or odorous waste will become an issue.

Whenever site specific acceptance criteria detailed in the contract are not met, this will be clearly communicated to the waste supplier and records of the communication shall be kept.

The site may cease accepting loads from a particular supplier if contamination has occurred repeatedly and the supplier has not attempted corrective action or, in the composter's opinion, the action taken has been ineffective.

4.3.4 Waste Tracking

All waste tracking procedures will be undertaken in accordance with Section 3.4 of Appropriate Measures.

A comprehensive recording system will be used to hold up-to-date information about the available capacity of different parts of the facility e.g., reception, quarantine, treatment, and storage areas. The system will ensure that the site has enough waste storage and process capacity for the incoming acceptable waste.

The recording system holds all information generated during: -

- Pre-acceptance;
- Acceptance;
- Non-conforming or rejection;
- Storage;
- Repackaging;
- Treatment; and,
- Removal off site.

Records will be created and updated to reflect deliveries, onsite treatment, and despatches. The recording system will operate as a waste inventory and stock control system, including both wastes and end-of-waste materials produced at your facility. This will include the following: -

- The date the waste arrived on site;
- The original producer's details;
- A unique reference number;
- Waste pre-acceptance and acceptance information;
- The package type and size;
- The intended treatment or disposal route;
- The nature and quantity of wastes held on site;
- Where the waste is physically located on site;
- Where the waste is in the designated recovery or disposal process;
- Identifying the staff who have taken any decisions about attempting or rejecting waste streams and who have decided on recovery or disposal options;
- Details that link waste to relevant transfer notes; and,
- Details of any non-conformances and rejections, including consignment notes for waste rejected because it is hazardous.

The recording system will report for each LoW code: -

- The total quantity of waste present on site at any one time;
- A breakdown of the waste quantities stored pending onsite treatment or awaiting onward transfer;
- Where a batch of waste is located based on a site plan;
- The quantity of waste on site compared with the limits in the management system and permit; and

- The length of time the waste has been on site compared with the limits in the management system and permit.

Acceptance records will be kept for a minimum of 2 years after the waste has been treated or removed off site.

4.3.5 Storage and Waste Handling Procedures

All storage and waste handling on site will be undertaken in accordance with Section 4 of the Appropriate Measures.

Waste on site will be stored and handled in a way that ensures prevention and minimisation of pollution risks.

The handling of waste will be minimised due to the efficient location of the waste storage areas and waste treatment areas on site. The location of these areas is shown on the Site Layout Plan.

Waste handing will be undertaken by competent staff with the assistance of mobile plant. All waste storage areas are located securely within the security protected area of the facility to restrict unauthorised access and vandalism.

All waste accepted on site comprises of non-hazardous soils, and therefore the first-in-first-out (FIFO) procedure does not need to be followed.

Storage areas, containers and infrastructure will be inspected daily to ensure there is no loss of containment. Written records of all inspections will be kept, and any spillages of waste will also be logged.

Due to the nature of the waste accepted on site, segregation procedures do not apply.

4.3.6 Waste Treatment – Soil Washing

Upon arrival, all loads will be inspected by site management and any large or nonconforming materials will be removed prior to treatment. All stockpiles on site will be stored in a loose form. All soil washing activities will be undertaken on impermeable surfacing.

Materials will be fed into a hopper with the assistance of mobile plant and will then travel along a conveyor, at which point any small pieces of scrap metal which may be present within the waste loads will be removed using an overband magnet.

Any oversize materials (particles 100mm - 150mm) will be removed via a screener subject to materials feed.

The remaining waste material, varying in size depending on market demands, will then travel along a log washer where it will be sprayed with wash water. After passing along the log washer, the clean waste materials will be separated into smaller fractions via a gravel sizing screen.

The sand and silt fraction together with most of the water passes through screen and enters a sump from where it is pumped into a hydrocyclone or plate press, which will separate the sand from any contaminants. The water will be recirculated back into the washing process.

All outputs from the Soil Washing Facility will be classed as products. However, any waste from the site will be categorised as set out in WM3 in accordance with Section 5.1 of the Appropriate Measures. The filter press materials will be stored on an impermeable surface with sealed drainage.

All treatment activities will be undertaken in accordance with Section 5 of the Appropriate Measures. The site will have accurate and up-to-date written details of the treatment and abatement and control equipment utilised. Information about the characteristics of the waste to be treated and the waste treatment processes include: -

- Simplified process flow sheets that show the origin of the emissions;
- Diagrams of the main plant items where they have environmental relevance, for example, storage, tanks, treatment and abatement plant design;
- Details of physical processes e.g. separation, compaction, shredding, heating, cooling or washing;
- An equipment inventory, detailing in plant type and design parameters;
- Waste types to be subjected to the process;
- The control system philosophy and how the control system incorporates environmental monitoring information;
- The hourly processing capability of waste treatment equipment; and
- Summary of operating and maintenance procedures.

Measures taken during abnormal operating conditions will be maintained to make sure they continue to comply with permit conditions. Abnormal operating conditions include the following: -

- Unexpected releases;
- Start-up;
- Momentary stoppages; and,
- Shutdown.

4.3 Site Infrastructure and Equipment

4.3.1 Site Identification Board

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

4.3.2 Site Surfacing/Infrastructure

All areas of impermeable concrete surface will be visually inspected at least weekly to ensure their continuing integrity and fitness for purpose. The inspection and any necessary maintenance will be recorded. In the event that any damage breaches the integrity of the engineered containment so that it no longer meets the required standards, necessary remedial work will be completed as soon as practicable.

Site drainage will be provided in all areas of impermeable surface. The site drainage system will be subject to weekly visual inspection to ensure effective operation and integrity of the system. Maintenance will be undertaken to ensure the effective operation and defects will be rectified as soon as possible.

Allocated storage of fuels and lubricants associated with mobile plant on site is provided.

The measures implemented above meet the requirements of Section 6 of the Appropriate Measures.

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:

- Excavator

- Wheel Loader
- Articulated Trucks
- Crusher & Screener

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 are 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.

Ashcourt (Lincolnshire) use CheckedSafe to complete daily Plant Checks. Any defects found are automatically forwarded to the Workshop Manager, who will arrange for repair. This is fully traceable on the program.

In the event that plant replacement is required, Ashcourt (Lincolnshire) 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 of inefficient plant.

5. Emissions Control

5.1 Point Source Emissions to Air

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

5.2 Fugitive Emissions to Air

5.2.1 Dust

The site will be managed in accordance with the Dust Management Plan which is included as part of the application.

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

- Speed limits (5-10 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 from any loading operation 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 the front end loader 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 Quarry manager will be responsible for implementing the DMP.

5.3 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.

5.4 Fugitive Emissions to Land and Water

5.4.1 Engineered Containment

The site will be operated to prevent fugitive emissions to surface water and groundwater.

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.

5.4.2 Containment Bunding

No fuel or oil tanks will be stored within the proposed EP boundary.

5.4.3 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 Quarry Manager will be responsible for implementing risk management measures in accordance with appropriate procedures.

5.4.4 Mud and Debris

Access to the site is not located within the boundary of this facility. The access road for the site is off Manton Lane to the north. 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 sit entrance/exit will be maintained to reduce the amount of mud and dirt the vehicle 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 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 wate 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 the public rods, and bowsers made available to damp down areas during dry periods to ensure that dust is not a problem.

The Quarry Manager will be responsible for implementing risk measures.

5.5 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.

5.6 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;
- All site plant will be operated and maintained in accordance with manufacturers specification, to reduce any unnecessary noise pollution;
- Speed limits (5-10 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; and

- Drop heights for waste deposition will be minimised to minimise noise emissions.

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 Quarry Manager will be responsible for investigating the complaint and taking action to identify the source of the noise and implement remedial measures where appropriate.

The application is accompanied by a Noise Management Plan.

5.7 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.

6. 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.

6.1 Reporting and Notifications

6.1.1 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 the any incoming person, together with evidence that such person has the required technical competence.

6.1.2 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 ned of the quarter unless otherwise required by the permit conditions.

6.1.3 Relevant Convictions

The EA will be notified of the following events;

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

6.1.4 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.

6.1.5 Adverse Effect

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.