

# **ENVIROARM LIMITED**

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**NRS WOODCOTE AGGREGATES LTD**  
**WORKING PLAN**  
**FOR**  
**INERT TREATMENT AND TRANSFER**  
**FACILITY INCORPORATING**  
**ENVIRONMENTAL MANAGEMENT SYSTEM**  
**FOR SITE PERMIT**

**WOODCOTE WOOD QUARRY LANDFILL**

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ESSD 4: Site Boundary  
ESSD13: Infrastructure

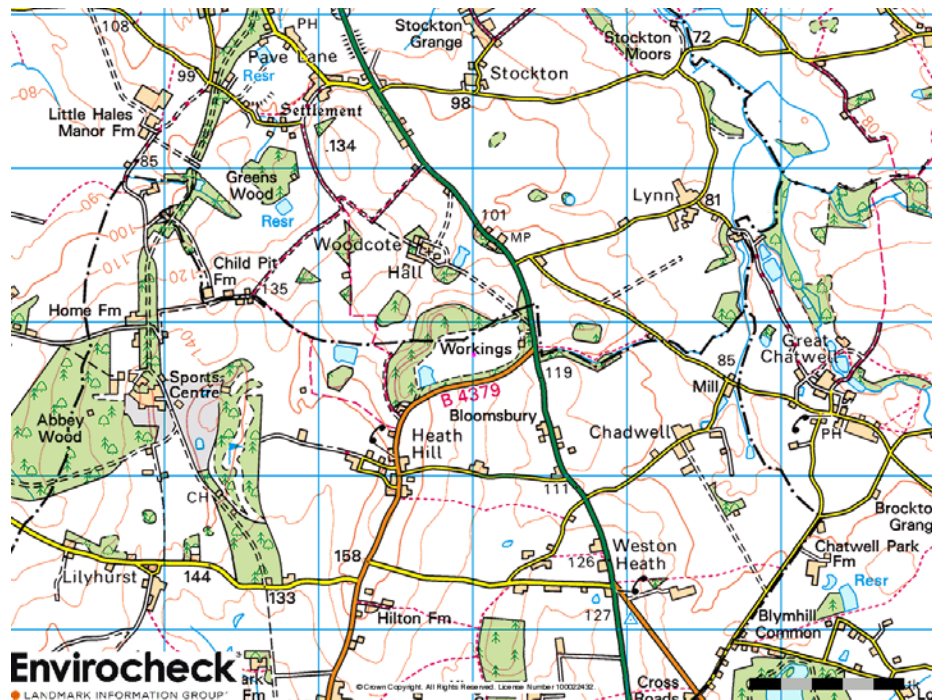
## **APPENDIX**

APPENDIX A:

## 1. LOCATION

- 1.1 The site is off the A41 in Weston Heath, Sheriffhales, Shropshire, 5km south of Newport town centre and 4.2km north of the A5. The centre of the site is at National Grid reference SJ 77036 14780 and the site entrance is SJ 77388 14944 see Figure 1 and Drawing ESID 1.
- 1.2 The Site comprises 22.4 hectares of agricultural land, which includes a woodland area. The site is a quarry.

**Figure 1: Site Location**



- 1.3 The site is permitted to accept up to 350,000 tonnes per year of waste into the material recycling facility, equating to an average of 6,730 tonnes per week and storage of up to 10,000 tonnes.

## 2. GENERAL DESCRIPTION

2.1 The inert physical treatment and transfer facility is to be operated in the area shown on ESSD 4. The proposed operational area covers an area that has had a geological barrier put in and approved by the EA.

2.2 The pre-treatment of inert imported waste such as soils, excavations and construction and demolition wastes will be by crushing screening, and wash plant, thus identifying inert waste as a resource and allowing for landfill diversion of some materials that would be better suited to other uses in the local environment and encourages recovery reuse and recycling and clearly is designed to move waste up the “waste hierarchy”. The site layout is presented on Drawing ESSD 13.

### 2.3 Washing

The materials will be washed as part of the process with the crushing and screening.

### 2.4 Crushing

This is the process where material, when delivered to site, undergoes primary bulk reduction from a large mass to a usable size. This is done by means of a crusher (mobile plant).

The jaw crusher to be used, defined as mobile plant as meaning “plant which is designed to move or be moved on roads or otherwise”.

### 2.5 Screening

The basic principle of screening materials on site is to separate materials of pre-defined size groups, each group comprising particles which will pass through an aperture of a given size but will not pass through a small aperture. The results are normally expressed as “passing” and “retained on” and the purpose for which the material screened is utilised determines the performance criteria.

### 2.6 Storage

Imported materials and excavated materials will be stored prior to processing in a reception pile and after treatment within the recycling area in purpose-built block bays as detailed on Drawing ESSD 4.

### 3. **INFRASTRUCTURE**

#### 3.1 **General**

3.1.1 The site will be used as an operating base for landfill, waste inert treatment, transfer and recycling operations as part of the overall material recycling and the following infrastructure is to be provided.

#### 3.2 **Access Road**

3.2.1 The access to the site is off the site is off the A41, Woodcote, Sheriffhales, Shifnal, Shropshire, TF11 8RS. The access to the site is through the main lockable gates. All deliveries will be through this location.

3.2.2 The road entrance surface will be repaired and maintained as necessary.

3.2.3 Potholes will be infilled with consolidated clean hardcore or sub-base within 5 working days. A stockpile of suitable material will be maintained for this purpose. Permanent repairs will be carried out using concrete within 10 working days and all repairs will be noted in the site diary.

#### 3.3 **Site Car Parking**

3.3.1 An area next to the offices is allocated for car parking. This will provide car parking for at least three.

#### 3.4 **Office/Buildings**

3.4.1 Office accommodation will be located in the at the site equipped with heat, light, water and telephone links together with appropriate manning. The office will be maintained in a tidy condition externally. Toilets are in the service area.

#### 3.5 **Fuel Storage**

3.5.1 Fuel is delivered to site as and when required.

3.5.2 Spillage Procedures are set out in the EMS for the site.

### 3.6 Security

3.6.1 The landfill site is totally enclosed with 3 strand barbed wire fence around the quarry and palisade steel lockable gates at the entrance off the A41.

3.6.2 The site fence line and gates are to be inspected daily and comments are to be included in the site diary by the Site Manager. Repairs, where necessary, will be carried out within 24 hours and all repairs will be reported in the site diary.

3.6.3 The gates are locked outside working hours and the site has 24hour security.

### 3.7 Hardstanding

3.7.1 The existing surface in the treatment yard is to be maintained as hardstanding

## 4. WASTE TREATMENT AND TRANSFER STATION

### 4.1 General

4.1.1 ESSD 4 shows the position of the processing area and storage bays and general layout arrangements for the site including the position for the crusher and screener.

### 4.2 Hours of Operation

4.2.1 The material recycling transfer station will operate between the following hours as per the planning permission;

Mon - Fri	07:00 - 18:00
Saturday	07:30 - 13:00

4.2.2 No operations on Sundays or Bank Holidays unless permission is sought from the Mineral Planning Authority and the Environment Agency.



## 5. RECEPTION CONTROL FACILITIES

### 5.1 General Checking/Ticket Issue

- 5.1.1 A waste reception clerk will be permanently employed to inspect (as far as is reasonably practicable) all loads on arrival and to issue appropriate tickets to control movements of vehicles to the recycling area or tipping bay. No vehicles will be permitted access to the operational areas without valid tickets, which will act as a transfer note in their own right.
- 5.1.2 Inspection of all loads prior to deposition will not be possible. Such loads will be inspected by the operator during ejection into the main processing pile.
- 5.1.3 A Visitor's Book will be kept and all visitors will be required to report to the Site Manager and be signed in and out.

### 5.2 Rejection of Materials

- 5.2.1 Two circumstances of rejection will be possible:
  - (a) Rejection during initial inspection following discussions between the waste reception clerk and the Site Manager or invalid transfer note.  
  
In those circumstances, materials will be removed off site for disposal elsewhere. Facilities exist for secure overnight parking if necessary.
  - (b) Rejection at the bay area during or after deposition.
- 5.2.2 All load rejections will be carried out in accordance with the Non-Conformance Procedure set out in the EMS.

### 5.3 Briefing of Operatives

- 5.3.1 The operators will be fully briefed as to material permitted to be deposited on site and will be under instruction to inspect each load as it is deposited. Staff will undergo periodic training so that they

understand the requirements of the Environmental Permit, Planning Permission, Duty of Care, registration of Waste Carriers and general Health and Safety requirements. Training will form part of the EMS procedures for the site. Staff will be trained to report any irregularity to the Site Manager so that appropriate action can be taken. This will typically be:

- (a) Isolate load or item in the working area;
- (b) Inform the Site Manager who will inform the Agency;
- (c) In consultation with the Agency appropriate actions will be taken.

#### 5.4 Load Rejection Area

5.4.1 A load rejection area/skip is shown on Drawing ESSD 13.

## 6. OPERATIONAL CONSIDERATIONS

### 6.1 Dust Controls

6.1.1 The entrance area will be sprayed with water using a bowser or hose when conditions necessitate.

6.1.2 Working areas will also be sprayed if absolutely necessary, although in general terms it is wished to minimise this as an operation, since the exclusion of water from the waste is sought rather than adding to the loading to assist in screening and reduce bulk haulage payloads.

6.1.3 Operatives working in the area of waste deposition will be provided with equipment appropriate to their task and environment which is sufficient to comply with any relevant Code of Practice or regulation, e.g. personal protective clothing, face masks, safety boots etc. All operatives will be appropriately trained and will be required to attend courses organised by the Company to acquaint themselves with current legislation and practices.

6.1.4 See Dust Management Plan.

### 6.2 Mud on Roads

6.2.1 The site egress will be kept clean and free from mud and debris at all times.

6.2.2 In the case of emergency or when conditions dictate, road sweeping equipment will be hired locally on an ad hoc basis.

### 6.3 Dust Suppression

6.3.1 At the direction of the Site Manager, spraying to suppress dust will be carried out. A bowser will be available when required for such circumstances. In addition, skirts will be added to any potential screen to be used on site. See Dust Management Plan.

### 6.4 Record Keeping

6.4.1 Records will be kept on site regarding levels of waste input for the purpose of the Quarterly waste returns.

6.4.2 Input will be recorded in terms of tonnes per month of each category and will be forwarded to the Environment Agency quarterly to the National Operator Returns team at Sheffield.

6.4.3 The following records are to be kept on site for the legally required time limits or kept until an application for licence surrender has been made. This will include:

- The site diary;
- Transfer notes;
- Duty of Care records

6.4.4 These records will be recorded and files as master copies and/or photocopies and will be stored on site in a filing system.

## 6.5 Manning Levels

6.5.1 The staffing requirements for the transfer and recycling site are as follows:

Site Manager (COTC Level TMI3)	1
Waste Reception Clerk	1
Plant Operatives	4
Full time Staff	6

## 6.6 Plant and Machinery

6.6.1 Appropriate static and mobile plant will be employed. It is anticipated that this will include:

6.6.2 Inert Treatment Facility

- 2 No. Hydraulic Excavator
- 2 No. Loading Shovel
- 1 No. Crusher
- 2 No. Screener
- 1 No. Wash Plant

## 6.7 Site Identification

6.7.1 An identification board of durable material and finish shall be permanently displayed at the main

entrance to the site. This shall show the site name, address, licence number, the name and address of the Environment Agency, the name and address of the Operator, hours for receipt of waste and an emergency contact number.

6.8 Surface Water Discharges

- 6.8.1 There is no release directly of surface water. The fall of the yard is to the rear of the site. All waters are directed to the surface water storage lagoon which is used for dust suppression on stockpiles haul roads etc using the on siter water bowser.
- 6.8.2 The wheel wash has a closed loop system which recirculates water from an underground tank. Once the water is dirty it is removed by tanker for disposal at a waste a water treatment facility.

6.9 Nuisance

- 6.9.1 The yard is fully hardstanding. It is unlikely that mud and debris will become an issue. In the event of mud being deposited on the highway, the Company will employ a road sweeper on an ad hoc basis as and when conditions necessitate.
- 6.10.2 Detailed management plans are contained which cover noise and vibration and dust management.

## 7. WASTE TYPES

### 7.1 General

7.1.1 The treatment facility and transfer station will accept and process waste from the construction and demolition sector. The site will not accept hazardous waste or any sludges or liquid wastes or putrescible type wastes.

### 7.2 Waste Tonnages

7.2.1 The maximum amount of waste to be accepted at the recycling and washing facility in any one year will not exceed 350,000 tonnes per annum. The waste type list is presented at Appendix 1.

### 7.3 Waste Volumes

7.3.1 The main reception and treatment pile as shown on Drawing ESSD 4 and ESSD 13 has a maximum storage area for pre-treatment of 10,000m<sup>3</sup>. The storage bay locations are presented on Drawing ESSD 4.

7.3.2 There is a designated quarantine area for rejected loads, a skip for deleterious waste and a skip for metal.

7.3.3 Total quantity stored on site at any given time including back loaded skips will not exceed 10,000 tonnes in any one day.