CENTRAL TIPPER HIRE LTD NON-HAZARDOUS WASTE TREATMENT FACILITY, HIGHPARK WOOD, ALCESTER ROAD, BEOLEY, REDDITCH B98 9DT



ENVIRONMENTAL MANAGEMENT SYSTEM
CENTRAL TIPPER HIRE NON-HAZARDOUS WASTE TREATMENT FACILITY

REF: EMS/CTH/HW/1.00/2026

Carried out for: CENRTAL TIPPER HIRE LTD

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1. SITE DESCRIPTION

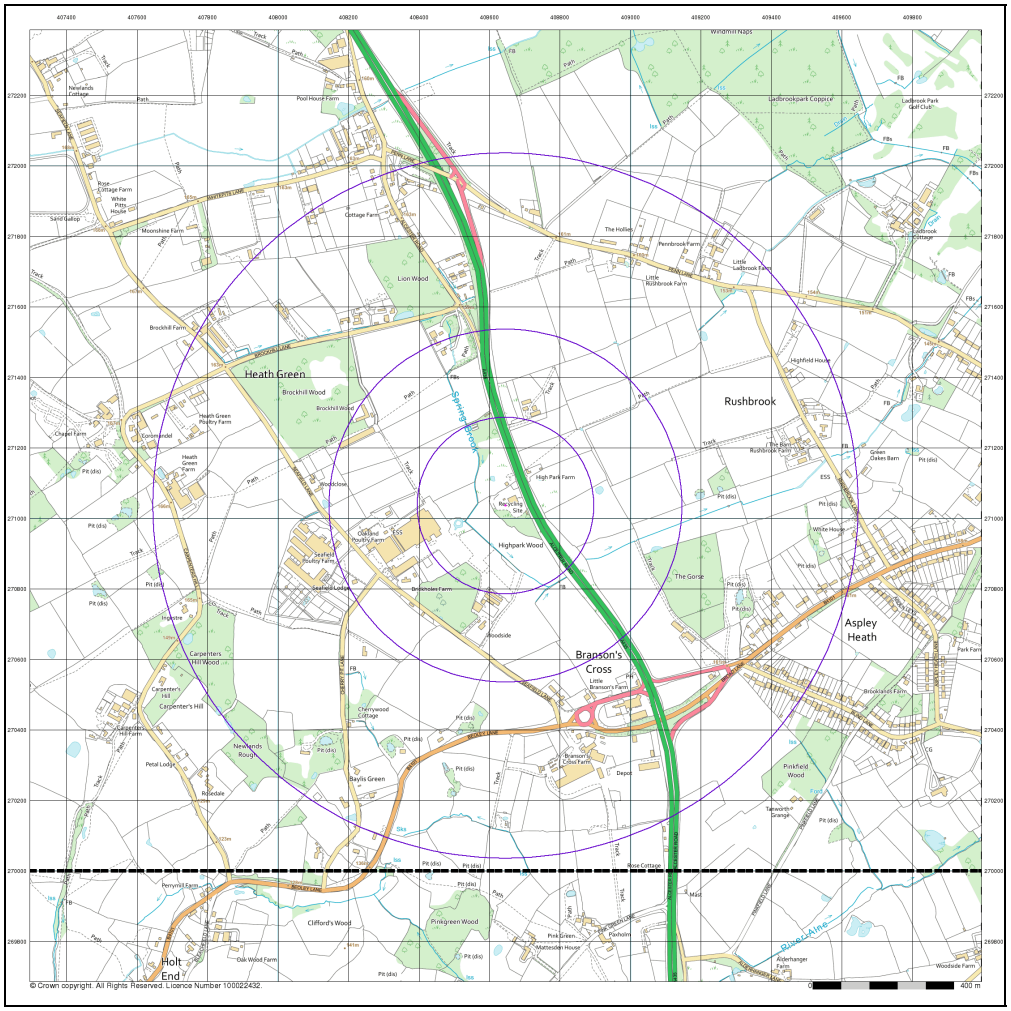
1.1 SITE LOCATION

The site is located off the Alcester Road, at Boeley, Redditch in the County of Worcestershire at National Grid Reference SP 408640 271030.

The site is set at an elevation of 156m AOD.

The site location is presented at Figure 1 and covers 0.65Ha.

Figure 1: Site Location



1.1.1 The site is to be operated as a non-hazardous waste treatment facility taking up to 200,000 tonnes of waste per year.

1.1.2 This EP application seeks to allow for inert waste and non hazardous waste streams to be brought on to site and crushed and screened to produce Type 1 Crushed

Concrete, 6F3, No fines Crushed Concrete, 0-2mm Recycled Soft Sand, 10mm, 20mm and 40mm Recycled Shingle, 6F5 Crushed Concrete and screened soil

1.2 SITE DEVELOPMENT

1.2.1 The site is to operate as a non-hazardous treatment facility.

1.3 FACILITY TYPE

1.3.1 The non-hazardous recycling facility will take up to 200,000 tonnes per year, which equates to 4,000 tonnes per week on average.

1.3.2 The site will require an Environmental Permit to operate issued by the Environment Agency.

1.4 TREATMENT BOUNDARY

1.4.1 The boundary of the site is shown on Drawing No. ESSD2.

1.5 HOURS OF OPERATIONS

1.5.1 The site will be open for the deposit of waste between the following hours:

07:00 - 19:00 Monday to Friday
07:00 - 13:00 Saturday

1.5.2 Closed Sunday/Bank Holidays/Public Holidays unless the written consent of Worcestershire County Council and the EA has been previously obtained. Appropriate temporary lighting will be provided for the working area during winter months if required.

1.6 MANNING LEVEL

1.6.1 The staffing requirements for the recycling facility, will require a technically competent person COTC/CCC Non Hazardous Treatment. Additionally, other staff will be required for the redevelopment and compaction operations as follows:

Site Manager/ Director	1
Plant Operatives	4
Weighbridge Clerk	1

1.7 SITE IDENTIFICATION

1.7.1 The site ID board will be displayed at the site entrance. This shall show the site name, address, permit number, the name and address and telephone number of the Agency, hours for receipt of waste and an emergency contact number and will be of durable construction. The site access layout is presented at Drawing ESSD 2.

1.8 WASTE TYPES

1.8.1 GENERAL

The non-hazardous waste treatment facility will take soils, concrete, rubble etc. A full list of waste types is presented in the application.

2. SITE ENGINEERING FOR POLLUTION PREVENTION AND CONTROL

2.1 SURFACE WATER MANAGEMENT

2.1.1 Surface Water Control

Post-development, runoff from the Site will be restricted to 58.7 l/s using an orifice plate, which is a 20% betterment on the brownfield runoff rate. Attenuation will be provided in the form of a 56 m3 catchpit in the west of the Site. We have been informed that the Applicant has recently installed a large surface water holding tank beneath the concrete slab. This provides a total storage volume of 56 m3 as recommended in this report.

InfoDrainage 2024.0 results demonstrate that the proposed attenuation has capacity to receive runoff from the 1 in 2-year, 1 in 5-year, and 1 in 30-year storm events. 15 m3 and 38 m3 of flooding has been modelled during the 1 in 100-year and 1 in 100-year + 25% climate change scenarios respectively. Should the capacity of the surface water drainage system be exceeded, flooding would either be retained on site by kerbing or flow westwards towards the existing ditch.

The surface water drainage system will remain privately owned and maintained.

The risk of surface water run-off contamination from the car park and yard will be mitigated through the use of an oil interceptor.

2.1.2 Surface Water Maintenance

Regular Maintenance	
Monthly	• Inspect and identify any areas that are not operating correctly. If required, take remedial action (for 3 months following installation)
Six Monthly	• Inspect and identify any areas that are not operating correctly. If required, take remedial action (following initial 3 month period)
Annually	• Remove sediment from pre-treatment structures
As Required	• De-silt as required
Remedial Actions: Significant storms may cause significant damage to SuDS. As such, a number of actions may be required following such events	
Following all significant storm events	• Inspect and carry out essential recovery works to return the feature to full working order

2.2 AIR

2.2.1 General

Due to the separation distance between the Site and receptors, the Site is considered to have a negligible risk of impacts with regards to dust soiling, PM10 concentrations and ecological effects. However, it is recommended that best practice mitigation measures are implemented throughout the construction phase to ensure emissions are kept to a minimum and no adverse effects are experienced at nearby receptors.

A review of local monitoring data and predicted baseline air quality has found that concentrations of NO2, PM10 and PM2.5 are below the relevant air quality objectives across the Site and the study area. The Site is therefore considered suitable for employment use and impacts in terms of new exposure would be negligible.

An assessment of operational traffic has also shown that impacts during the operational phase will be negligible on local air quality.

A qualitative assessment of dust emissions during the operational phase has been undertaken based on the IAQM guidance for assessing mineral dust for planning. This has identified a slight adverse risk of amenity dust effects at the nearest residential receptor but a negligible risk at all other human receptors. The assessment has also concluded a negligible risk of effects on identified ecological receptors. However, the Site will implement a number of measures during operation to reduce dust emissions and minimise dispersion including the use of water sprays to damp dusty material, sheeting of HGV, boundary fencing and screening.

The Proposed Development would meet current national and local planning policy requirements and based on the above, air quality does not pose a constraint to the development of the Site.

3. INFRASTRUCTURE

3.1 GENERAL

The site will be operated as a fully contained facility and the following infrastructure is to be provided.

3.2 ACCESS ROADS

3.2.1 Site access will be the existing access used for current operations. The site has a metalled surface entrance road which is at least 7m wide and will enable vehicles to be kept left.

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

3.2.3 Any repairs undertaken at the discretion of the Site Manager will be noted in the site diary.

3.3 MAIN SITE ROAD

3.3.1 From the gates, a main site road will be provided to the general working level. This will be constructed from concrete.

3.3.2 If it requires potholes being repaired concrete will be brought onto site.

3.4 WHEEL AND VEHICLE CLEANING

3.4.1 A road sweeper will be used on when deemed necessary as per the mud management plan.

3.5 WEIGHBRIDGE

3.5.1 All loads of waste will be weighed at the weighbridge as shown on Drawing ESSD 4.

3.6 OFFICE/BUILDINGS

3.6.1 Office accommodation will be provided at locations shown on Drawing No. ESSD 4, and will be equipped with heat, light, water and telephone links together with appropriate manning. Car parking for vehicles will be provided.

3.6.2 A copy of the Permit and associated documents and plans are on display or available in electronic format in the offices.

3.7 FUEL STORAGE

3.7.1 A fuel storage tank bunded to 110% of its capacity will be provided within the plant support area. All oil wastes will be collected for safe disposal or recycling.

3.8 NON-HAZARDOUS WASTE TREATMENT FACILITY PLANT

3.8.1 Plant to be used in the treatment area will be landfill will consist of a hydraulic excavators, loading shovels and dumper, together with a crusher and screen. The site also has a tractor and road sweeper. All plant will be regularly serviced as per the maintenance plan within the EMS forms

4. SITE OPERATIONS

4.1 GENERAL CHECKING/TICKET ISSUE

The company proposes to sign the Waste Transfer Notes at time of delivery to the weighbridge. If the waste is not compliant, the Waste Haulier required to remove the waste from the site. The company copy will be filed and retained.

4.1.1 Inspection of all loads prior to unloading will be carried out in accordance with the Waste Acceptance Procedure. As a further measure, the operator at the working area during deposition will inspect deposited loads.

4.1.2 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.

4.2 WASTE ACCEPTANCE AND DISPOSAL CRITERIA

4.2.1 <u>General</u>

We will only accept waste, which is in compliance with the Permit waste types.

4.2.2 The non-hazardous waste treatment site will accept soil with bricks and stones, bricks etc and inert.

4.3 REJECTION OF MATERIALS

4.3.1 Two circumstances of rejection will be possible:

(a) Rejection during compaction – non-compliant waste.

(b) Consignment note does not describe waste accurately.

In these circumstances, materials may be removed off-site for disposal elsewhere, following discussions with the EA.

Facilities exist for secure overnight parking if necessary:

4.4 NON-CONFORMANCE PROCEDURES FOR REJECTED MATERIALS

4.4.1 Central Tipper Hire Ltd will operate a non-conformance system for rejected loads, problematic waste delivered, and health and safety procedures of Carriers of Waste as a means of discharging their Duty of Care and as part of the Company EMS procedure.

4.4.2 A non-conformance is an incident which breaches the Permit, Duty of Care and the Safety Rules of the site.

4.4.3 Typical examples of non-conformance that can occur and need to be recorded are listed below:

Wastes not acceptable within the range of wastes set in the Environmental Permit;
waste transfer note problems
Breach of statutory regulations
Misdescribed wastes.

4.4.4 Where a non-conformance occurs, the Site Manager shall:

(a) Obtain sufficient information from the carrier and producer of the waste and document details of the incident in the logbook.

(b) The Site Manager will investigate the causes of the incident and will also implement the required corrective actions.

4.4.5 The Site Manager shall ensure that corrective actions are carried out within agreed deadlines.

4.4.6 Once the corrective action has been carried out to the satisfaction of the Site Manager, the site manager will sign off the logbook as complete.

4.5 BRIEFING OF OPERATIVES

4.5.1 The operators in the working area will be fully briefed as to materials licensed to be accepted on site and will be under instruction to inspect each load and 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 EA
(c) In consultation with EA appropriate actions will be taken.

4.6 COMMUNICATION ON-SITE

4.6.1 Communication will be maintained between relevant personnel by two-way radio.

4.7 DUST CONTROL

4.7.1 The entrance area will be sprayed with water when conditions necessitate.

4.7.2 Working areas will also be sprayed if absolutely necessary, although in general terms it is preferable to minimise this as an operation. The exclusion of water from the waste materials.

4.7.3 Operatives working in the area of waste deposition will be provided with equipment appropriate to their task and the Environment. It will be sufficient to comply with any relevant Code of Practice, e.g. protective clothing, face masks, etc.

4.7.4 The site will comply with the Air Quality Plan and all staff will be made aware of then plan prior to commencement of operations

4.8 MUD ON ROADS

4.8.1 The site egress will cleaned using a tractor and brush or road sweeper hired in on an ad hoc basis.

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

4.9 DUST SUPPRESSION

4.9.1 At the direction of the Site Manager, spraying to suppress dust will be carried out. A bowser will be kept on site for such circumstances, such as during dry weather.

4.10 RECORD KEEPING

4.10.1 Records will be kept on site regarding levels of waste input for the EA.

4.10.2 Input will be recorded in terms of tonnes per month and will be forwarded to the EA on a quarterly basis within 14 working days of the month end by the Site Manger.

4.10.3 An electronic site diary will be kept of site recording all events of each day and all service records for plant including the weighbridge.

4.11 PLANT MACHINERY

4.11.1 Appropriate mobile plant will be employed. It is anticipated that the plant completion will be similar to that described below:

Treatment Area
1 x crusher
1 x screener
2 x loading shovels
2 x excavators
1 x water bowser
1 x tractor and brush

4.11.2 All plant is to be maintained as per the service schedules attached in the EMS forms and all records of services are to be kept at the site office. This will ensure that plant operates efficiently. In the event of breakdowns replacement equipment will be hired in within 24 hours to replace equipment under repair.

4.12 FIRE PRECAUTIONS

4.12.1 No wastes will be burned within the site.

4.12.2 Any outbreak of fire will be treated as an emergency and Fire Department will be informed and the Environment Agency as soon as possible.

4.13 LIGHTING

4.13.1 Lighting shall be provided on site to adequately illuminate operational areas during hours of darkness as defined by the Science and Engineering Research Council.

4.13.2 If considered necessary, mobile lighting rigs are to be used in conjunction with adequate lighting on the site machines. The rigs and machine lights will comply with the Mines and Quarries Regulations 1999.

4.14 FENCING AND SECURITY

4.14.1 The fencing is palisade fencing and concrete blocks.

4.14.2 Site gates shall be located at the access and shall remain locked outside working hours.

4.14.3 The site shall remain securely fenced and shall be kept in good repair. Records of inspections will be held in the site office.

4.14.4 If a hole or breach is found during the daily inspection then temporary repairs will be undertaken on the day of inspection and full repairs within 3 working days.

4.14.5 The site has security camera located on site that allow viewing of site offices, landfill and plant parking area.

4.15 ACCIDENTS AND EMERGENCIES

4.15.1 In the event of an accident or emergency both Health and Safety or environmental health department the relevant Regulator will be informed and an accident log will be completed as per the attached EMS forms.

4.15.2 A spillage procedure is set out within the forms dealing with a spillage of site from fuel or servicing.

5. ENVIRONMENTAL MONITORING

5.1 SURFACE WATER

5.1.1 Surface water will not be monitored at the point of discharge but will follow the surface water management plan.

6. AMENITY MONITORING

6.1 NOISE MONITORING

6.1.1 Noise monitoring will not be required at this facility unless there is a complaint. A copy of the compliant form is presented in the EMS forms.

6.1.2 The site has a Noise and Vibration Management Plan which sets out the procedures in the event of a complaint for monitoring, in the event of noise monitoring.

6.2 DUST MONITORING

6.2.1 A visual inspection for dust will be carried out each working day and actions recorded in the site electronic diary. No formal dust monitoring is required.

6.2.6 The site has a Dust Management Plan which sets out the procedures in the event of a complaint.