



ASH WASTE SERVICES LTD
HOUSEHOLD, COMMERCIAL AND INDUSTRIAL
WASTE TRANSFER STATION
Habitats Assessment – Version 1.0

DOCUMENT HISTORY

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1. INTRODUCTION

1.1. ASH WASTE SERVICES

ASH Waste Services Ltd are submitting an application for an Environmental Permit for a bespoke waste operation at:

ASH Waste Services Ltd
Shotties Island
Shaw Lane
Carlton
Barnsley
S71 3HJ

1.2. NATURE AND HERITAGE CONSERVATION SCREENING REPORT

As part of the application process, a nature and heritage conservation screening report was requested from the Environment Agency. This report was produced on 23/05/2022, reference EPR/LB3306KV/A001.

This identified the following nature and heritage sites (Table 1), protected species (Table 2) and protected habitats (Table 3):

Table 1 - Nature and Heritage Sites identified in EA Screening Report

Nature and Heritage Site	Type	Screening Distance (metres)
Dearne Valley Wetlands	Site of Special Scientific Interest	1000
Carlton Marsh	Local Nature Reserve	200
Carlton Marsh	Local Nature Site	200

Table 2 - Protected Species identified in EA Screening Report

Protected Species	Screening Distance (m)
Water Vole	Up to 500m

Table 3 - Protected Habitats identified in EA Screening Report

Protected Habitat	Screening Distance (m)
Deciduous Woodland	Up to 50m

Maps showing the location of the relevant sites, species and habitats are shown in Appendix A (Environment Agency's Screening Report).

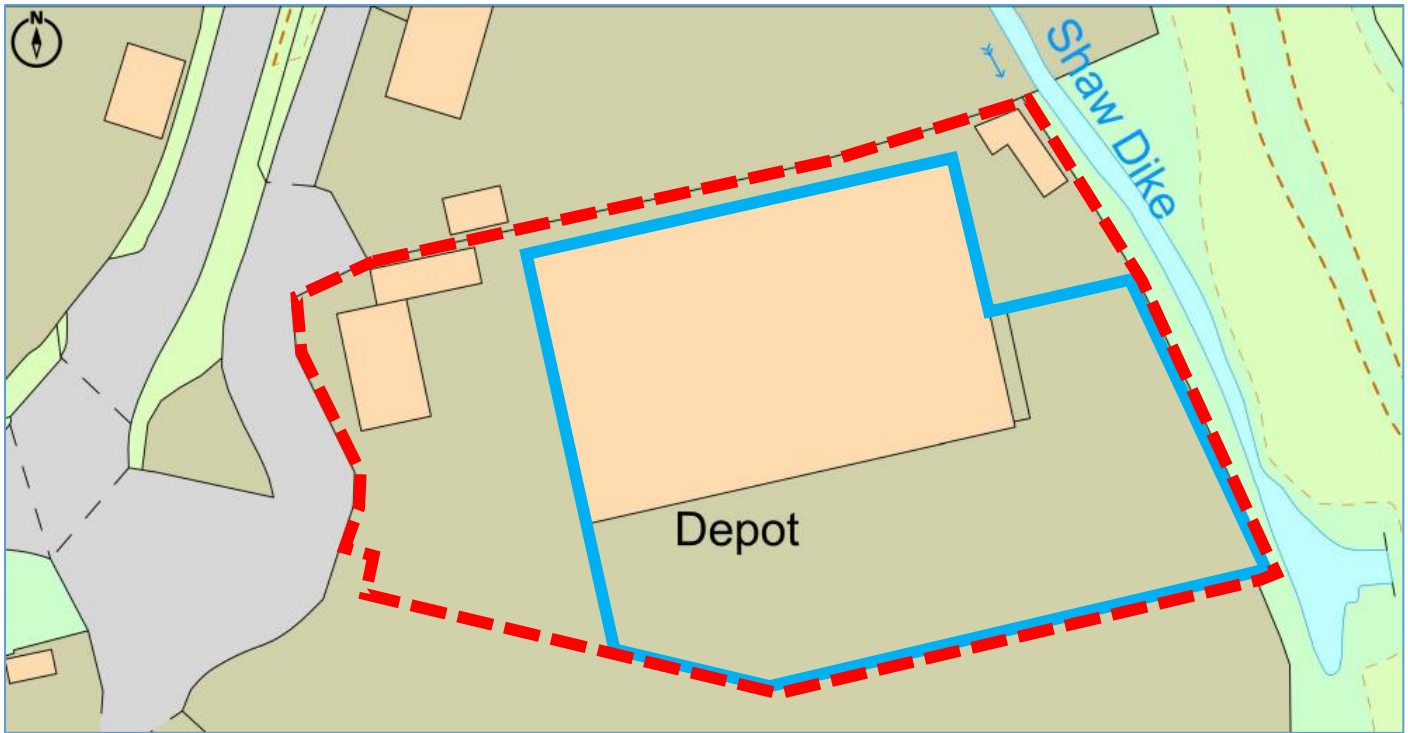
1.3. ACTIVITIES

The waste types handled on site will consist of household, commercial and industrial (HCI) non-hazardous wastes. The Environmental Permit will allow the acceptance, processing and storage of this waste, principally trade waste. The total quantity of waste that can be accepted at the Site under the Environmental Permit must be less than 75,000 tonnes a year. A maximum of 5,000 tonnes may be stored on site at any time, although there will usually be significantly less than this.

1.4. PERMIT AREA

The boundary of the area which is the subject of the waste permit is shown in blue on the drawing below. All references to 'the site' within this management system shall mean this area and the associated infrastructure, plant and equipment.

The red line indicates the total area controlled by ASH Waste Services.



2. SITE EMISSIONS

2.1. POINT-SOURCE EMISSIONS

2.1.1. EMISSIONS TO WATER

There will be no point-source emissions to water bodies associated with the waste operations. The drains will divert to a combined sewer to the west of the site along Shaw Lane. There will be no point-source emissions into Shaw Dike which is shown along the eastern boundary on the site map in section 1.4.

2.1.2. EMISSIONS TO SEWERS

There will be no point-source emissions to sewers associated with the activities on site.

2.1.3. EMISSIONS TO AIR

There will be no point-source emissions to air associated with the activities on site.

2.1.4. EMISSIONS TO LAND

There will be no point-source emissions to land associated with the activities on site.

2.2. FUGITIVE EMISSIONS

2.2.1. DUST

Due to the nature of the main activity on site there will be very little dust emissions associated with the site, other than very localised glass and wood dust. Water will be used to dampen down stockpiles and surfaces where required.

Small amounts of dust may be caused by vehicles tracking over the site's surface, though this is all concreted ground. The Dust Management Plan submitted with the Environmental Permit application details how any impacts will be minimised.

2.2.2. EXHAUSTS

Fugitive emissions may be released from vehicle exhausts. This will be limited to exhausts from the loading shovels, shredders and similar mobile plant, and any HGVs that are present on site.

3. CONTROL MEASURES

3.1. WASTE TYPES

To ensure that the site does not impact on the habitats and species detailed in Section 1.2, the incoming material will have been subject to an acceptance criteria and checks; these are detailed in the site Environmental Management System. This will help to avoid the receipt of any wastes that may lead to significant environmental pollution. A quarantine area shall be in operation so that any wastes liable to cause an issue is separated from other wastes.

Samples of incoming and outgoing wastes is not likely required given the nature of commercial and industrial general waste. However, where required wastes shall be tested to ensure that there is no potential for excessive leaching of chemicals and metals that could lead to the pollution.

The site shall not store light wastes that might generate litter internally; there will be twice daily walkaround checks of the site during operational hours to check for the occurrence of litter. Prior to purchasing the land, visual checks of both Shaw Lane and along Shaw Dike embankments found existence of litter. If any litter is found that is attributable to ASH Waste Services, this shall be collected and placed in a suitable container or area on site. These checks include looking for litter at the sites perimeter.

3.2. WATER SUPPLY

The site will have a permanent water supply which can be used to dampen down any dust emissions associated with the operation.

On particularly dry days, a jet wash may be used by HGVs entering the site so that they can dampen down any dusts that may arise as they travel across the concreted surface.

3.3. VEHICLE MOVEMENTS

Vehicle speed on site will be restricted to 10 miles per hour. Signs will be erected at the relevant areas of the site, including the main access gates, to advise drivers of the speed limit. This will reduce the re-suspension of dust and particulate matter.

All incoming and outgoing loads shall be contained within the vehicle body or sheeted where possible unless the material they are carrying has been sufficiently conditioned to ensure that no fugitive dust can be emitted from the vehicle body.

3.4. JET WASH

Due to the nature of wastes being accepted onto site, ASH will not install a wheel wash at the site. However, a jet wash will be available for cleaning vehicle tyres where required.

A road sweeper which be hired in to sweep the site and area immediately outside the boundary on Shaw Lane in the event that any detritus material is carried onto the public highway.

Should any spillages or incidents occur on site which would result in significant amounts of mud, dust or other residues being tracked off site, no vehicles will be allowed out of the site until the spillage or incident is cleaned-up, or it is deemed to not pose a risk to the wider environment. However, due to the nature of wastes to be accepted, this is highly unlikely.

3.5. LOADING AND UNLOADING PLANT AND MACHINERY

If necessary, the operator of the loading plant will direct vehicles to a position and location which reduces wind whipping of loaded material, e.g. against the side of a bay wall / stockpile. If necessary, stockpiles will be dampened prior to and during loading operations.

Drop heights will be kept to a minimum to prevent dust emissions where adjustment permits.

3.6. STOCKPILE MANAGEMENT

If necessary, stockpiles will be dampened down or reduced during periods of prolonged dry/windy weather to prevent excessive drying and dust formation.

The site traffic shall be carefully managed to ensure that vehicles entering and leaving site do not track through wastes/product and 'kick-up' dust.

3.7. MOBILE PLANT

Any shredder or similar mobile plant will not be operated during excessive dry/windy weather, except in such cases that any dust created can be contained on site. This may be achieved by carefully siting the plant to minimise exposure to wind and/or using dust suppression if required. If this cannot be achieved, the plant shall not be operated.

Drop heights from all hoppers and discharge points shall be kept to a minimum to prevent dust emissions, where the particular plant permits this, e.g. through adjustment of conveyors.

3.8. INCLEMENTAL WEATHER

In the event of inclemental weather conditions, e.g. high winds, any stockpiles will be reduced in height if practical and deemed necessary. However, the nature of the waste materials to be stored externally means they are unlikely to be impacted on by high winds. If weather is deemed by site management to be severe, such as excessive winds, poor visibility or leading to treacherous surface conditions, all operations may be suspended until such time that it becomes safe to work.

3.9. EMISSIONS TO AIR

As mentioned in Section 2.1.3, there will be no point-source emissions to air. Other than dust (for which control measures have been described in Sections 3.2 to 3.7) the only other fugitive emission to air will be from vehicles exhausts (as described in Section 2.2.2).

These are highly unlikely to impact on the habitats and species detailed in Tables 1 – 3. Any plant and machinery shall be regularly maintained to ensure they are operating optimally, whilst all HGVs undergo annual MOT testing and frequent vehicle servicing which will ensure that emissions are within the acceptable legal limits.

Overall, the site shall not have a significant impact on air quality.

3.10. EMISSIONS TO WATER

As described in Sections 2.1.1 and 3.2, there will be no point source emission to surface water.

3.11. SITE DIARY

A site diary will be used to keep an accurate log on site activity and any incidents of emissions, environmental pollution and plant and machinery breakdowns. The site diary will be available for inspection by any Environmental Agency or local authority officer.

3.12. HABITAT MANAGEMENT PLAN

Due to the absence of protected habitat or species on-site and highly unlikely impact of any such habitat or species off-site, no habitat management plan is required. Should this change, a competent ecologist will be employed to assess and create the habitat management plan.

3.13. ODOUR MANAGEMENT PLAN

The wastes to be accepted onto site (primarily 20 03 01 mixed municipal waste) have the potential to create odours. However, any impact, expected to be minimal, are more likely to impact on humans rather than habitats. An Odour Management Plan has been included within the Environmental Permit Application.

4. CONCLUSION

Due to the activities on site and lack of any point-source emissions, it is highly unlikely that there will be any impact on the habitats and species detailed in Sections 1.2 and **Error! Reference source not found.** The waste materials to be accepted onto site shall be non-hazardous and if any dust emissions did occur they would be highly unlikely to pose a significant environmental risk. Measures are in place to protect areas outside of the permitted area being impacted by the ASH Waste Services.

