

DUST MANAGEMENT AND MONITORING

Introduction

The Royton site is in Oldham and is operated by Wheeldon Brothers to provide bulking facilities to support the local commercial contracts. The facility diverts waste away from landfill and contributes to UK and European recycling/recovery targets.

Commercially derived solid waste is deposited in the transfer station bays/areas as directed by the weighbridge operator and site operatives. The waste is inspected during deposit for any non-permitted materials or odorous wastes.

The waste is stockpiled using a wheeled loading shovel and is then checked by a 360 grab to remove any recyclable materials or contamination. This material is then transferred into a hopper used to feed the shredder. The material is shredded and passed through two trommels and a picking line and then through an over band magnet to remove metal from the refuse derived fuel. The refuse derived fuel is then stockpiled on the other side of the building to the outgoing waste stockpile.

The produced RDF is loaded onto articulated trailers using a loading shovel and grab.

Sufficient transportation to end destinations is provided to ensure that waste is not retained on site for longer than permitted. Our site management is tasked with transferring readily biodegradable materials off-site within 24 hours of deposit wherever possible.

The site also recycles wood, metal, garden waste, cardboard and food waste. These are all located away from the main building

The transfer station features a mobile suppression system, which can be located at any part of the site. Especially if there are dust issues highlighted on site.

1.0 OPERATIONAL MEASURES

1.1 Management Responsibility

The Operations Manager will have responsibility for ensuring that nuisances and hazards arising from the site due to dust are minimised.

- minimising waste storage heights and volumes
- making sure stockpiles do not face the direction of the prevailing wind
- minimising stockpile volumes

1.2 Vehicle Speed Limits

To minimise the emissions of dust arising from the use of access and site roads, speed limit of 5 mph will be imposed for all vehicles using the operation site.

1.3 Sweeping of Access Road and Highway

The main access road will be swept with a mechanical road sweeper daily and when conditions dictate to minimise emissions of dust. Mossdown Road is also swept by the council on a regular basis.

1.4 Static Water Sprays

Static water sprays are not required.

1.5 Seeding of Earth Bunds, Stockpiles and Surfaces

We have no earth bunds on site. Stockpiles will be kept to a minimum and a contingency plan is in place if stockpiles become unmanageable. Surface are cleaned several times a day and are hosed down if the surfaces become too dusty.

1.6 Acceptance of Dusty and Friable Waste

Dusty and friable waste which could cause a potential dust problem during and immediately following its deposit will only be accepted if the waste is bagged, otherwise contained, or has been conditioned with water prior to delivery.

As such wastes will be pre-treated or contained, closure of the operation site to these waste streams or use of an emergency tipping area for these waste streams will only be necessary in certain meteorological conditions.

1.7 Tipping Area

To minimise the escape of dust from operational areas and minimise the impact of any escape that may occur, consideration will be given to the strength and direction of the prevailing wind, and the proximity of receptors when planning the sequence and direction of filling. Dousing down with water in the tipping area will be undertaken if any dust issues are raised on site. All fenced areas have netting to prevent dust emissions. Mobile suppression unit to be mobilised if reported dust issues raised on site

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1.8 Sheeting of Vehicles

All vehicles using the operation site will be instructed to ensure that their loads are adequately sheeted or otherwise contained. All vehicles will be sheeted before leaving site.

To avoid the escape of dust from vehicles whilst they are traversing site roads, they will not be permitted to un-sheet (other than for the purposes of waste inspection) other than at the active sheeting/loading area.

1.9 Construction Work

Engineering works carried out, as part of the site construction activities can be a potential source of dust, particularly bulk earthmoving and filling activities. Procedures to minimise the environmental impacts of these activities, with respect to dust emissions, will be incorporated within the contract documentation.

2.0 DUST MONITORING PLAN

2.1 Monitoring of Meteorological Conditions

The Operations Manager will use the Meteorological Office weather forecast to predict weather conditions such as prolonged dry, hot spells, which may give rise to high levels of dust, and ensure the necessary precautionary measures are in place.

2.2 Visual Monitoring

All personnel employed on site will undertake visual monitoring for dust throughout the working day. Any problem that is observed will be reported to the operations manager (or an authorised deputy if they are unavailable), who will be responsible for investigating the cause and implementing any necessary remedial action.

2.3 Quantitative Monitoring

Additional quantitative monitoring at the the installation boundary or at sensitive receptors will only be carried out in circumstances where complaints have been received, corrective action has not resolved the problem, and where such monitoring will assist in determining the source/cause and what further action may be appropriate.

3.0 DUST ACTION PLAN

If significant volumes of dust are being noted at the installation during routine visual monitoring, the following action will be taken:

3.1 Dust Generation during Vehicle Movements

- Take action to ensure that vehicles are obeying the speed limits.
- Additional road sweeping.
- Dousing down of operational areas in dusty conditions.

3.2 Dust Generation during Waste Emplacement and Covering

- Establish cause of emissions.
- If problem is caused by a particular waste type, cease accepting the relevant waste until a suitable method statement detailing how the waste will be handled, has been prepared and implemented.
- Whenever necessary the site surface, incoming loads, waste awaiting deposit, deposited waste and outgoing loads shall be sprayed with water to suppress the emissions of dust, and in any event shall be sprayed if requested by an officer from the Environment Agency.
- Mobile suppression unit to be mobilised if reported dust issues raised on site.

3.3 Dust Generation During Construction

- Establish cause of the problem and implement revised procedures to minimise emissions. This may involve the use of water sprays during excavation activities or the temporary relocation of work away from receptors pending a change in wind direction or other weather conditions.

4.0 RECORDS

A record relating to the management and monitoring of dust will be maintained in the installation log. It will include the following details: -

- A record of all dust events including date, time, and cause of the problem.
- A record of all complaints; and
- Details on the corrective action taken and any subsequent changes to operational procedures.
- Details of complaints to be recorded in the site diary alongside actions completed on site. Complaints form to be completed by trained staff.

5.0 TRAINING

The management team of the Director, Operations Manager and supervisor to be trained on the implementation of the dust management plan and reporting system.

All operational staff to be trained on awareness of the dust management plan and the reporting system.

6.0 ENGAGEMENT WITH THE COMMUNITY

If the site is causing an impact on local businesses or residential properties steps will be taken to reassure them that issue is being dealt with and they will be informed of progress and outcome. The management will be responsible for engagement with the community, this will be carried out either by phone or in person, contact details will be left with the individual businesses or residents so an open line of direct communication is available to them.

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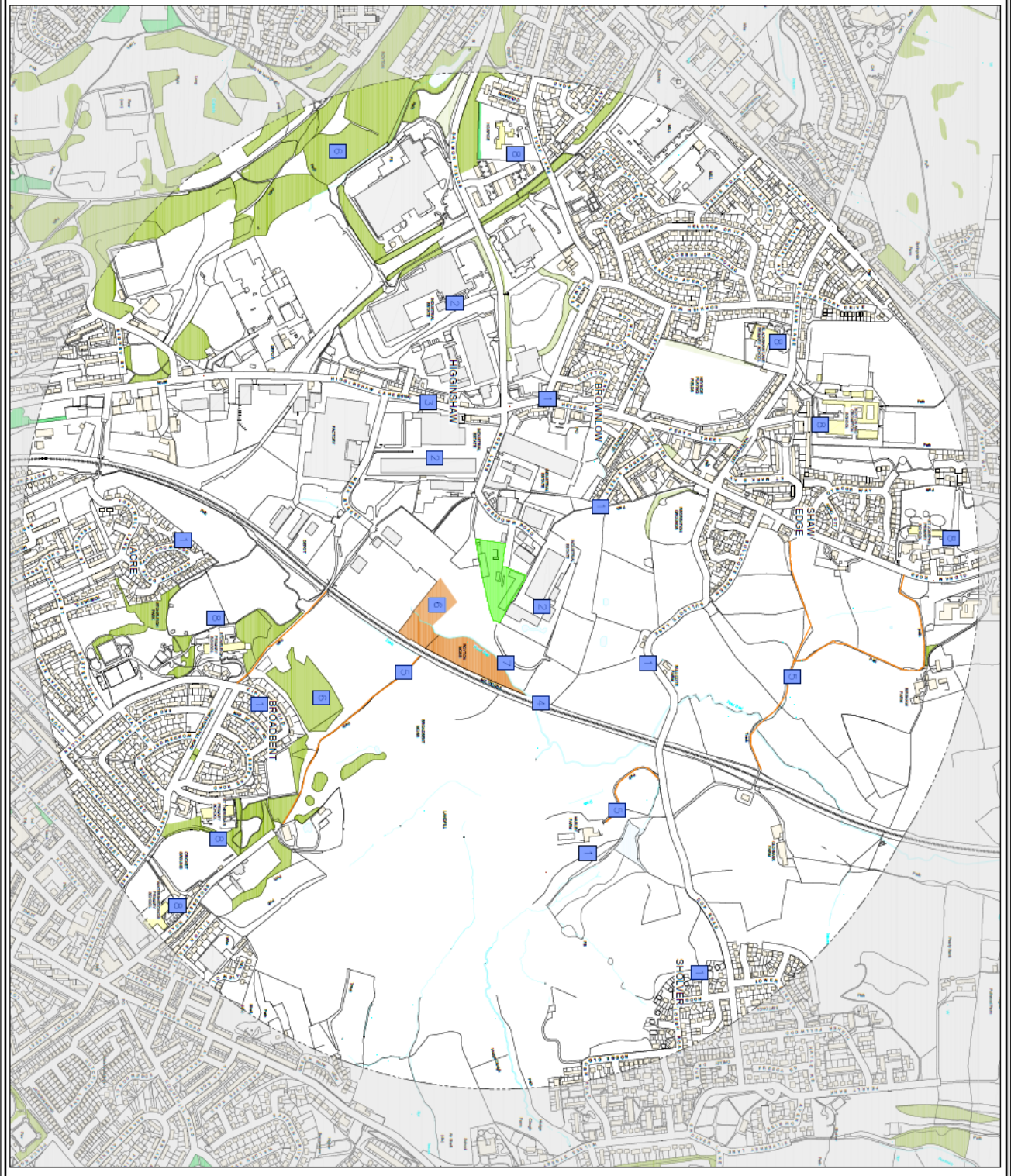
| Ref | Receptor | Direction from Site | Distance from Site Boundary (m) - approx. from closest point |
|--|---|---------------------|--|
| Domestic Dwellings | | | |
| 1 | Properties on Herron Street, Brownlow | NW | 220 |
| | Properties on Higginshaw Lane, Higginshaw | W | 250 |
| | Properties on Heyside, Brownlow | W | 270 |
| | Properties on Bullcote Lane, Shaw Edge | NNE | 290 |
| | Properties in Broadbent | SSE | 495 |
| | Harley Farm, near Sholver | NE | 480 |
| | Properties in Acre | S | 580 |
| | Properties in Sholver | NE | 850 |
| Industrial/ Commercial | | | |
| 2 | Higginshaw Industrial Estates | SW | 105 - 310 |
| | Mossgate Road Industrial Estate | N, E | Adjacent - 120 |
| Highway or Major Road | | | |
| 3 | Higginshaw Lane (B6194) | W | 20 |
| Railways | | | |
| 4 | Metrolink | E | 120 |
| Public Rights of Way | | | |
| 5 | Footpaths | N, E, S, W | 180 - 1 km |
| Habitats/Designated Sites | | | |
| 6 | Royton Moss Lowland Fens (PHI) | E | 60 |
| | Priority Woodland | SE | 380 |
| | Priority Woodland | SW | 600 |
| Surface Water | | | |
| 7 | River Beal (channel in Royton Moss) | E | 60 |
| Hospitals/Nursing Homes/Schools | | | |
| 8 | Stoneleigh Primary School | SSE | 560 |
| | Blackshaw Lane Primary School | NW | 680 |
| | St Theresa's Primary School | SSE | 700 |
| | Royton and Crompton School | NW | 730 |
| | St Josephs Primary School | N | 850 |
| | Watersheddings Primary School | SSE | 940 |
| | Dr Kershaws Hospice | W | 850 |

Table 1: Location of Receptors Surrounding the Site (within 1 km)

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- LEGEND**
- PERMIT AREA
 - 1 KM RECEPTOR BOUNDARY
 - FOOTPATHS
 - RESIDENTIAL AREA
 - INDUSTRIAL/COMMERCIAL AREA
 - LOWLAND FENS (FHL)
 - WOODLAND (FHL)
 - WATERBODIES/WATERWAYS
 - R RECEPTOR REFERENCE (SEE REPORT 23015/1)



INDICATED RECEPTOR REFERENCE POINTS FROM THE SOUTH EAST

| REF | DESCRIPTION | DATE | BY |
|-----|-------------|------|----|
| | | | |
| | | | |
| | | | |
| | | | |

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WHEELDON BROTHERS WASTE LIMITED

MATERIALS RECYCLING FACILITY, ROYTON

RECEPTORS 1 KM

DATE: 09/03/2023
 SCALE: 1:4000
 DRAWING NO: 23015/03