

Rover Way Dust Management Plan

Procedure	ECP53
Page	1 of 5
Revision	1
Date	July 2020

Prepared by: Environmental Advisor

Approved by: Environmental Manager

1. INTRODUCTION

This document provides the overarching dust management plan written in accordance with current guidance in relation to the activities on Rover Way. For dust management plans relating to individual activities see section 8 'Documentation'.

The plan identifies potential sources of dust emissions and the associated potential impacts, and the measures to reduce dust and particulate emissions. The aim is:

- to develop a robust dust management strategy
- minimise dust generation and emissions from the site; and
- ensure off-site impacts (to nearby receptors) are minimised

2. SITE OPERATION SCOPE

The operations at the site include:

- Scrap Processing Centre (Permit ref TP3639BH, Activity A11) – Integrated scrap metal recycling centre undertaking storage of waste pending the recycling/reclamation of metals and metal compounds within a standalone processing centre at the northern end of the Rover Way site.
- Scrap Yard (Permit ref TP3639BH, Activity A12) – Processing scrap metal using a mobile shear. Includes the storage of incoming scrap metal and storage of processed scrap metal.
- Asphalt Plant (Permit ref TP3639BH, Activity A3) – processed EAF slag is mixed with filler, bitumen and reclaimed asphalt pavement (RAP) according to the required specification.
- Slag Processing and Crushing & Screening Plant (Permit ref TP3639BH, Activity A2)– Slag collection and transfer from the activity A1 (Permit ref TP3639BH) to waste operation. Treatment of slag via weathering, crushing, screening, drop balling and lancing.

3. SOURCES OF DUST

The potential sources of dust associated with each activity are discussed in the individual dust management plans. These include:

- Loading materials onto storage piles (batch or continuous drop operations)
- Equipment & equipment traffic
- Crushing & screening
- Vehicles movements in & out of site
- Wind erosion of piles

Prepared by: Environmental Advisor

Approved by: Environmental Manager

- Load out of materials for shipment or for return to the process stream (batch or continuous drop operations)

4. SITE SETTING AND RECEPTORS

A map of the principal receptors and prevailing wind direction for each activity can be found in the individual dust management plans. The principal receptors to the site are:

- Travellers' site north (beyond the Western power Distribution 33kV/132 kV substation)
- Welsh Water compound adjacent to Travellers' site
- Pengam Green residential area north
- Willows High School north
- Tremorfa residential area north
- Severn Estuary East

5. CONTROL MEASURES

This section provides a summary of the dust control measures that will be undertaken on-site to mitigate dust emissions from the identified sources. Corrective actions that'll be undertaken to prevent or minimise dust emissions are in line with current guidance.

- Location of storage piles
- Good housekeeping
- Use of road sweepers
- Enclosure in buildings
- Use of enclosed vehicles, skips & containers
- Use of water-filled bowers
- Minimise stockpile height

Control measures specific to each activity are outlined on the respective dust management plans.

6. MONITORING

6.1 Visual monitoring

To ensure that the dust control measures are effective, Celsa will ensure visual dust monitoring is in place. The following monitoring activities are regularly undertaken to ensure continuous improvement:

- site inspections by the site manager;
- site audits conducted by the company's management; and

Prepared by: Environmental Advisor

Approved by: Environmental Manager

- site audits and inspections by Natural Resources Wales

All site personnel will be responsible for reporting any dust problems immediately to the site manager or deputy.

The site manager will ensure that regular weekly inspections are made of the site and its perimeter to identify any sources of significant dust and to establish whether any dust is likely to impact upon receptors.

6.2 Ambient air monitoring

Frisbee gauges and directional sticky pads will be installed at two locations along the site boundary for a period of 6 months, one downwind and upwind of the permitted activities. Should the daily total measured value exceed 200mg m^{-2} , investigative action will be taken to determine the cause of the issue, and determine measures needed to prevent this reoccurring in future. The data from the monitors will be analysed at an external accredited laboratory, with the results reviewed on a monthly basis. At the end of the 6-month period, the requirement for further monitoring will be evaluated.



Figure 1 – Ambient air monitor locations

Prepared by: Environmental Advisor

Approved by: Environmental Manager

7. EMERGENCY PLAN & COMPLAINTS

This section considers the potential for accidents (or incidents) that could result in unacceptable short-term dust impacts. If the situation is an emergency, then mitigation measures will be immediately implemented and the technically competent manager will consider:

- limiting the hours of operation; or
- immediately suspending the site operations

If any dust complaints are received then the complaints procedure as set out in EMS procedure CP/B033 (EHS Communication – Internal and External) would be followed and the incident investigated and if found to be real, appropriate mitigation measures would be adopted. The incident would be formally reported to Natural Resources Wales.

8. DOCUMENTATION

EMS Procedure Ref	Procedure Title	Permit Activities Included
ECP53	Rover Way Dust Management Plan	• Activity A2 • Activity A3 • Activity A11 • Activity A12
ECP47	Scrap Processing Centre Dust Management Plan	• Activity A11
ECP52	Cardiff Scrap Yard Dust Management Plan	• Activity A12
ECP12	Fugitive Emissions Management Procedure	• Activity A2
Harsco Dust Management Plan, Asphalt Plant (V2)	N/A	• Activity A2 • Activity A3
Harsco Environmental Statement Chapter 9: Air Quality (Land south of Rover Way)	N/A	• Activity A2 • Activity A3

Rover Way Dust Management Plan

Procedure	ECP53
Page	5 of 5
Revision	1
Date	July 2020

Prepared by: Environmental Advisor

Approved by: Environmental Manager

9. REVIEW

Dust control measures will be reviewed through internal audits. The audits will review:

- weekly records of inspection;
- spot checks on the higher risk sources of dust; and
- checks to ensure that any corrective or preventative have been resolved in an efficient and timely manner
- ensure effectiveness of procedures referenced in section 8 of this document

THIS CONCLUDES THE DUST MANAGEMENT PLAN