

# Coombefield Quarry

## Environmental Permit Application

### Dust Management Plan

Portland Stone Limited

September 2022

Prepared on Behalf of Tetra Tech Environment Planning Transport Limited.  
Registered in England number: 03050297

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801-14 – Restoration Plan

801-13 – Restoration Landform

801-05, Rev A – Waste Management Facility

2904:315/001 – Proposed Waste Management Building

801-06 to 801-12 – Phasing Plans (7 Drawings)

CQ/PSL/SLFP/01 - Site Layout and Fire Plan

183/22 – Sprinkler Location and Layout

## **APPENDICES**

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Appendix A – Proposed Waste Types

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Appendix C - Complaint Record Sheet

## 1.0 INTRODUCTION

### 1.1 REPORT CONTEXT

- 1.1.1 This Dust Management Plan (DMP) has been prepared by Tetra Tech on behalf of the operator, Portland Stone Limited (PSL) to support an Environmental Permit Application for Coombefield Quarry (the site) at Southwell Road, Isle of Portland, Dorset, DT5 2EG.
- 1.1.2 PSL are seeking to gain a bespoke environmental permit to allow the operation of an inert landfill and a waste management facility that will include the following:-
- Inert waste recycling facility (including crushing and screening); and
  - Household, Commercial and Industrial (HCI) Waste Transfer Station (including waste electrical and electronic equipment (WEEE) with treatment via manual sorting and separation (via a picking station), screening (with a vibrating screen separator), the shredding of specific non-hazardous waste streams to produce RDF and the baling of specific waste streams such as cardboard, plastics and RDF.
- 1.1.3 According to the Environment Agency's (EA) 'Control and Monitor Emissions for your Environmental Permit' guidance a DMP must be prepared to support an application that comprises the '*disposing of household, commercial or industrial waste in a landfill*', '*keeping or treating (or both) aggregates, soils, ashes or similar materials*' and '*keeping or treating (or both) household, commercial or industrial waste in a waste transfer station*'.
- 1.1.4 As such, this DMP has been prepared in accordance with the EA's 'Dust & Emission Management Plan' template (Version 10, October 2018).
- 1.1.5 This DMP is a working document, intended to be used as a reference document for operational staff on a day-to-day basis. PSL will implement the plan to ensure that all reasonable measures are taken to control dust emissions, and in the event that an adverse impact is caused, prompt action will be taken to identify the source and apply corrective measures. It provides a schedule of actions that will be taken to minimise dust impact and details site management procedures for the management and monitoring of dust.

## 2.0 SITE DESCRIPTION

### 2.1 SITE SETTING

2.1.1 The site is situated within the wider Coombefield Quarry site, which is located approximately 500m north east of Southwell, on the Isle of Portland in Dorset. The site is centred at approximate National Grid Reference (NGR) SY 69107 70631. The site location and environmental permit boundary is shown on Drawing Number PSL/B034779/PER/01.

2.1.2 Access to the site is achieved via an unnamed access road off Southwell Road which is located to the south west of the site. The immediate surroundings of the site largely comprise disused quarry sites including Suckthumb Quarry to the north west, Duncroft Quarry to the south east, Pennsylvania Quarry to the north east and Freshwater Quarry to the south. The nearest residential receptor to the site is located approximately 67m north on Weston Street.

2.1.3 A 'Nature and Heritage Conservation Screen' (EPR/LB3202GS/A001) was requested from the EA. The screen determines the presence of any site of nature and heritage conservation, or protected species or habitats that may be impacted by the proposal. A copy of the results is in the Environmental Risk Assessment (ERA) (Appendix C of the Environmental Permit Application).

2.1.4 The results of the screen identified the following receptors:-

- Isle of Portland to Studland Cliffs (Special Area of Conservation) located approximately 45m east of the site;
- Studland to Portland (Special Area of Conservation) located approximately 215m east of the site;
- Isle of Portland (Site of Special Scientific Interest) located approximately 45m east of the site;
- Pennsylvania Quarry (Local Wildlife Site) located approximately 60m north east of the site;
- Deciduous Woodland located approximately 100m west of the site; and
- Maritime Cliffs and Slopes located approximately 45m east of the site.

2.1.5 According to DEFRA's 'AQMA Interactive Map', the site is not situated in or is within 2km of a designated Air Quality Management Area (AQMA) for particulate matter. However, the site is situated in a designated AQMA for Nitrogen Dioxide (NO<sub>2</sub>).

- 2.1.6 Further details regarding the environmental setting of the site are provided in the Environmental Setting and Site Design (ESSD) report that has been prepared to support this application. A copy of the ESSD is provided as Appendix D of the Environmental Permit Application.

## **2.2 PLANNING HISTORY**

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- 2.2.1 The wider Coombefield Quarry has been quarried intermittently since 1951 under Planning Permission reference 200411 granted by Dorset Council.
- 2.2.2 Permission 200411 is subject to a 'Review of Old Mineral Permission' (ROMP) application that was submitted around 2006. This process seeks to agree modern planning conditions and included proposals for the restoration details with an end date of 2042. The ROMP Application has not been determined and therefore there is not a fixed restoration end date or approved restoration details for Coombefield Quarry.
- 2.2.3 In June 2017, Planning Permission WP/16/00818/NOTS was granted by Dorset Council to allow the operation of a mine in the southern section of the wider quarry site known as Coombefield South.
- 2.2.4 In May 2022, a Planning Permission was granted by Dorset Council (reference P/DCC/2021/04835) to allow the operation of an Inert Landfill and a Waste Management Facility in the northern section of the quarry site known as Coombefield North which is the application site.

## **2.3 PERMITTED ACTIVITIES**

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- 2.3.1 As noted in Section 1.1.2, PSL are seeking to operate an inert landfill and a waste management facility that will comprise the following an inert waste recycling facility (including crushing and screening) and a HCl Waste Transfer Station (including WEEE).
- 2.3.2 The proposed activities will be similar to the waste operations that are currently undertaken at PSL's Broadcroft Quarry which is located approximately 960m north east of the site. The waste operations at Broadcroft Quarry are currently regulated under two environmental permits. The inert landfill is regulated under permit reference EPR/DB3704MN (EAWML 210009) and the waste transfer station and crushing and screening facility for inert waste is regulated under permit reference EPR/UP3393FL (EAWML 23670).
- 2.3.3 As shown on Drawings 801-05 and 2904:315/001, it is also proposed to erect a building so that the non-inert reception and transfer operations are contained. The new building will have a steel frame construction on an impermeable concrete base with roller doors. The walls and roof cladding will be constructed of galvanised sheeting. An enclosed picking station will sit above bays.

2.3.4 The 3m screen bund will be erected between the Waste Management Facility and Inert Landfill to control noise and reduce visibility from the properties which overlook the quarry to the north

2.3.5 Each activity is addressed in the sections below.

Inert Landfill

2.3.6 The inert landfill will comprise the importation of inert waste for infilling the quarry void that has been created from mineral extraction activities at the site.

2.3.7 The works would be undertaken in phases (as shown on Drawing Numbers 801-06 to 801-12) and the site would be restored in accordance with the restoration scheme (Drawing Numbers 801-13 and 801-14) that was approved by Dorset Council under planning permission (reference P/DCC/2021/04835).

2.3.8 It is considered that the proposed inert landfill would fall under the following Recovery and Disposal codes (R and D codes) shown in Table 1, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19th November 2008 Waste.

**Table 1: Proposed R/D Codes for the Inert Landfill activity**

R/D Code	Activity Description
D1	Deposit into or on to land (e.g., landfill, etc.)

Inert Waste Recycling Facility

2.3.9 In addition to the inert landfill, PSL are also seeking to operate a waste management facility that will include:-

- Inert waste recycling facility (including crushing and screening). Suitable non-recyclable inert materials will be used as restoration materials in the landfill;
- HCI (including waste electrical and electronic equipment (WEEE)). These materials will be imported onto site in skips or tipper lorries, separated, stored within buildings and transported off site by HGV for further recycling or disposal;
- The HCI waste transfer station will also comprise of treatment of non-hazardous waste via manual sorting and separation (via a picking station), screening (with a vibrating screen separator), the shredding of specific non-hazardous waste streams to produce RDF and the baling of specific waste streams such as cardboard, plastics and RDF; and



- Skip storage area.

2.3.10 Given that the proposed waste management facility will comprise a similar operation to what's undertaken at Broadcroft Quarry, it is considered that the proposed activities will fall under the R/D codes which are based on Table S1.1 of the environmental permit for Broadcroft Quarry EPR/UP3393FL (EAWML 23670).

**Table 2: Proposed R/D Codes for Proposed Waste Management Facility**

R/D Code	Activity Description
<b>Inert Crushing and Screening Facility</b>	
R3	recycling or reclamation of organic substances which are not used as solvents.
R5	Recycling/reclamation of other inorganic materials
R13	Storage of wastes pending any of the operations numbered R1 to R12
<b>HCI Waste Transfer Station</b>	
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)
R13	Storage of wastes pending any of the operations numbered R1 to R12
D14	Repackaging prior to submission to any of the operations numbered D1 to 13
D9	Physico-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12
R3	Recycling/reclamation of organic substances which are not used as solvents
R4	Recycling/reclamation of metals and metal compounds
R5	Recycling/reclamation of other inorganic materials

## 2.4 WASTE TYPES

2.4.1 Wastes accepted as part of the landfill and inert waste recycling activity will be strictly inert as classified under the Landfill Directive (1999/31/EC) and Council Decision (2003/33/EC) of 19<sup>th</sup> December 2002 'establishing criteria and procedures for the acceptance of waste landfills'.

2.4.2 Inert waste is defined in Article 2 of the Landfill Directive 1999/31/EC as follows:-

*'Inert waste' means waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm to human health. The total leachability and pollutant content and the ecotoxicity of its*

*leachate are insignificant and, in particular, do not endanger the quality of any surface water and/or groundwater.*

- 2.4.3 The site will have strict waste acceptance procedures in place to ensure that only inert wastes are accepted at the site. Details of these procedures are provided in the Operating Techniques (Appendix B of the Environmental Permit Application).
- 2.4.4 In terms of the transfer station and inert crushing and screening facility, PSL propose to accept the same waste codes that are currently permitted at Broadcroft Quarry. This includes the acceptance of WEEE as part of the HCI waste transfer station.
- 2.4.5 In terms of the proposed shredding process, PSL propose to process non-recyclable plastics (excluding PVC), paper and cardboard that may be identified from waste loads that are accepted as part of the HCI transfer station.
- 2.4.6 Details of the proposed waste codes for each activity are provided in Appendix A.

## **2.5 WASTE QUANTITIES**

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### Inert Landfill

- 2.5.1 It is envisaged that a volume of 660,200m<sup>3</sup> of inert material will be required in total to achieve the final restoration profiles. When using a bulk conversion factor of 1.5 tonnes/m<sup>3</sup> this equates to approximately 990,300 tonnes.
- 2.5.2 The proposed annual throughput for the inert landfill is 60,000 tonnes per annum.

### Waste Management Facility

- 2.5.3 It is proposed that the combined total throughput for the Inert Waste Recycling Facility and the HCI Waste Transfer Station will be 34,500 tonnes per annum. From this total, PSL propose to accept up to 1,000 tonnes of WEEE per annum.
- 2.5.4 In light of the above, the total annual throughput for the site will be 94,500 tonnes.

## **2.6 PROCESS DESCRIPTION (WASTE MANAGEMENT FACILITY)**

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- 2.6.1 The incoming materials will be imported in skips or by HGV or small builder lorries/vans and weighed and checked at the weighbridge. Purely inert materials will be unloaded in the 'crushing and screening area'.

These materials will be bulked up until a sufficient quantity has amassed for a 'crusher run'. Here a mobile crusher and screen will be used to produce recycled aggregates building products which will be utilised in local construction projects. A loading shovel will be used to load the crusher and move the recycled aggregates. These products will be stored separately in the 'Recycled Products Area' (as shown on Drawing Number 801-05, Rev A).

- 2.6.2 Mixed waste types, including mixtures of inert and non-inert waste will be unloaded in the new transfer building. Once deposited in the designated tipping area, a grab excavator will be used to remove the oversize waste, the grab excavator will then place the pre picked material into a feed hopper where the waste will be processed via a vibrating screen separator, the waste will then travel along the conveyor belt to the picking station where the waste will be separated by hand into relevant bays. The different waste types will then be stored until enough material has been bulked-up to be transported off site for either recycling or disposal.
- 2.6.3 Any waste cardboard or plastics that are recovered from the picking station will be subject to further processing via baling which will take place in the transfer station building. Once baled, the waste bales will be stored in a designated area within the building.
- 2.6.4 In addition to the above, PSL propose to process specific waste streams that are listed in Appendix A. This activity will only be undertaken on a campaign basis and will take place within the transfer station building within the pre-sorting area. Following treatment, the resultant material will be baled and then stored in the designated waste bale storage area.
- 2.6.5 As a requirement of the Environmental Permit, which will be required to operate the Waste Management Facility, all non-inert materials will be handled and stored on an impermeable concrete surface with a sealed drainage system.
- 2.6.6 The separated inert materials will be transported to the 'crushing and screening area' for processing into recycled aggregates.
- 2.6.7 Suitable inert materials, which cannot be recycled, will be deposited in the adjacent landfill.
- 2.6.8 An indicative layout of the Waste Transfer Station building is provided on Drawing Numbers 2904:315/001 and CQ/PSL/SLFP/01.

## **2.7 WASTE STORAGE**

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### Landfill Activity

2.7.1 Any waste that's destined for the inert landfill will be directed to the current working face of the site, where it will be unloaded from the vehicle and used immediately as part of the infilling activities.

Inert Waste Recycling Facility (crushing and screening)

2.7.2 Purely inert waste materials that are accepted as part of the inert waste recycling facility will be stockpiled externally within the designated 'Crushing and Screening Area' prior to treatment (as shown on Drawing Number 801-05, Rev A). This area will provide a maximum storage capacity of 60 tonnes.

2.7.3 Following treatment, a loading shovel will be used to move the resultant material into the 'Recycled Products Area' and will be subjected to testing to determine whether the material satisfies the end of waste criteria. Any material that meets the criteria will be stockpiled in the 'Recycled Products Area' until such time as sufficient volume is acquired for it to be removed from site. Any material that fails the end of waste criteria will be moved to the 'Crushing and Screening Area' for reprocessing or deposited into the adjacent landfill if the waste meets the relevant waste acceptance criteria.

2.7.4 The height of all stockpiles associated with the inert waste recycling facility will not exceed 3m.

HCI Waste Transfer Station

2.7.5 Waste that is accepted as part of the HCI waste transfer station will either be stored within skips, containers or bays within the waste transfer station building or externally. All non-inert materials will be stored on an impermeable surface concrete surface with a sealed drainage system.

2.7.6 The HCI Waste Transfer Station will provide a maximum storage capacity of approximately 510m<sup>3</sup>.

2.7.7 Any waste that is stored in the external bays will be kept at least 1m from the top of the bay walls to minimise the risk of wind whipping.

2.7.8 Any inert materials that are separated from the HCI transfer station will be transferred to the 'Crushing and Screening Area' for processing into recycled aggregate.

## **2.8 OPERATING HOURS**

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2.8.1 The operating hours for the site will be limited to the following as approved in the planning application (reference P/DCC/2021/04835) to Dorset Council

- Monday to Friday: 07:00 – 18:00; and

- Saturday: 07:00 – 13:00

2.8.2 There would be no work on Sundays or Bank and National Holidays.

## 2.9 PLANT AND EQUIPMENT

2.9.1 Mobile plant will be hired for the duration of the site's operation. Typical plant that will be used for the infilling of the site are summarised in Table 4 below.

**Table 2: Mobile Plant and Equipment**

Description	Make	Model	Emission Rating
Excavator	Volvo	EW240 & EC220	Stage V
Excavator with Grab attachment	Volvo	ECR145EL	Stage V
Loading Shovel	Volvo	L90	Stage V
Telehandler	Merlo	P 36.10	Stage V
Electric Shredder	Terex	TDS 820E	Stage V

2.9.2 As a function of the Environmental Management System, the performance of all plant and equipment will be reviewed in comparison to other models that may be available on the market. If there happens to be other models available that perform more efficiently than the site's existing plant and is financially feasible, PSL may decide to change their existing plant and equipment. As part of the process, PSL will ensure that all non-road going mobile plant have a minimum Stage IV emission rating and road going vehicles will have a minimum emission rating of Euro VI. In addition, any plant or equipment that's used to treat waste as part of the inert recycling waste activity or the HCI transfer station will be covered which will minimise the risk of dust during the treatment process.

2.9.3 As such, the brand, make, model and specification of the mobile plant and equipment that will be used on site is expected to vary throughout the operational life of the facility.

2.9.4 Only personnel who are trained and licensed to operate equipment and carry out maintenance will do so.

2.9.5 In addition to the above, a weighbridge and wheel wash is installed on site and will be used by all vehicles that access the site. The location of the weighbridge and wheel wash are shown on Drawing Numbers 801-05, Rev A.

2.9.6 All plant and equipment will be maintained in accordance with a preventative maintenance programme which will be defined by the manufacturer's requirements. This will ensure that the integrity and operational

efficiency of all plant and equipment is maintained and therefore minimise the risk of mechanical failure which may result in increased dust emissions. This particular programme forms part of the site's EMS.

2.9.7 In addition, all plant and equipment will be visually inspected on a daily basis by the Site Manager (or a nominated deputy) prior to use. The purpose of this inspection is to identify any signs of defects that may affect the integrity and operational efficiency of the plant.

2.9.8 In the event that a defect is identified on any item of plant or equipment, the use of the plant/equipment will be suspended until the necessary remedial works have been undertaken.

## 2.10 DUST SENSITIVE RECEPTORS

2.0.1 Receptors within 1km of the proposed application boundary have been listed in Table 5 and are shown on Drawing Number PSL/B034779/REC/01.

**Table 3: Location of potential receptors in relation to the proposed activity**

ID	Receptor	Direction from Operational Area	Minimum Distance from the Permit Application Boundary (approx. m)
<b>Domestic Dwellings</b>			
1	Properties on Weston Street	N	67
2	Properties on Southwell Road	E	190
3	Properties in Southwell	S	250
4	Properties on Thumb Lane	NW	324
5	Properties on Weston Road	NW	540
6	Properties in Easton	N	671
7	Properties in Weston	NW	660
8	Properties in Wakeham	NE	645
<b>Commercial and Industrial Premises</b>			
9	Commercial properties in Southwell	S	265
10	Commercial properties on Pennsylvania Road	NE	280
11	Commercial and Industrial properties on Wakeham	NE	450
12	Commercial properties on Weston Road	NW	735
13	Sweet Hill Farm Wild Camping	S	906
14	Industrial units in Southwell Business Park	SW	920
15	Industrial units and commercial properties In Easton	N	670
<b>Schools / Hospitals / Shops/Amenities</b>			
16	Portland's first parish church, St Andrews Church	NE	440
17	Tesco Superstore	N	690
18	St Georges Primary School	NE	740
19	All Saints Church	N	923
20	Atlantic Academy Portland	SW	955
<b>Designated ecological habitats e.g. RAMSAR, SAC, SPA, SSSI</b>			
21	Isle of Portland SSSI	E	45
22	Studland to Portland SAC	E	45
23	Pennsylvania Quarry Local Wildlife Site	E	80
24	Portland Marine SAC (Marine Components GB)	E	180

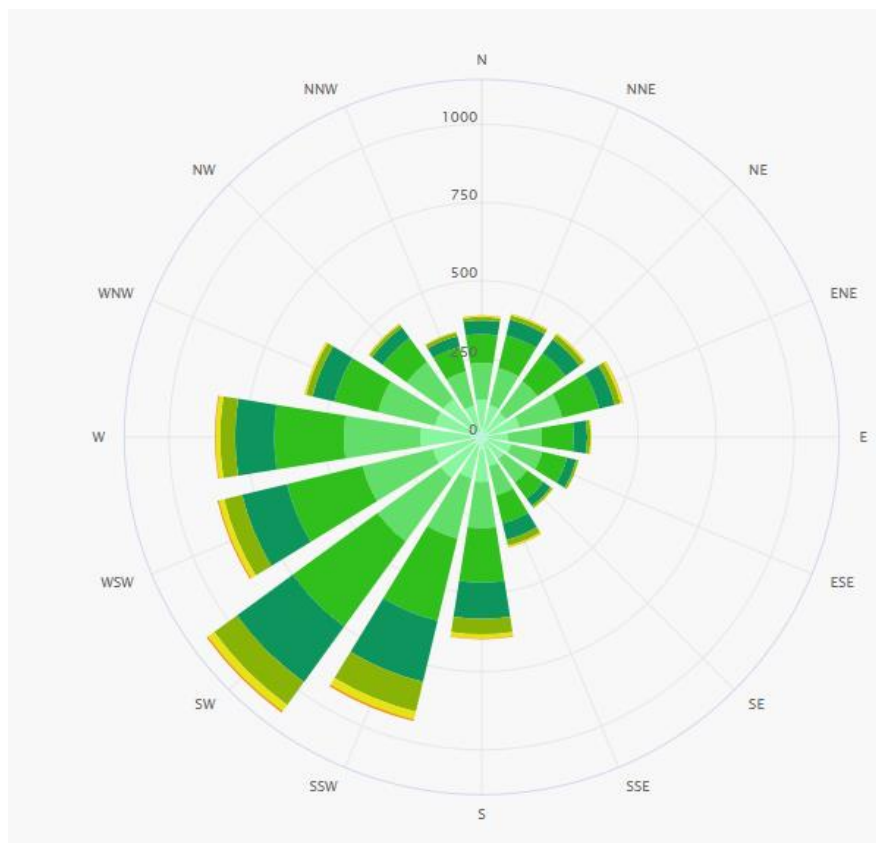
25	Isle of Portland to Studland Cliffs SAC	NE	510
<b>Priority Habitats</b>			
26	Maritime Cliffs and Slopes (Protected Habitat)	E	45
26	Deciduous Woodland (Protected Habitat)	W	100
27	Lowland Calcareous Grassland	E	115
<b>Highways or Minor Roads</b>			
28	Easton Street (A354)	N	977
<b>Groundwater (sensitivity)</b>			
According to the Multi-Agency Geographic Information for the Countryside's (MAGIC) website, the site is situated in a High Vulnerability Groundwater Source Protection Zone (GSPZ). In terms of aquifers, the MAGIC website indicates that the site is in both a Principal Aquifer and a Secondary A Aquifer (Bedrock).			

## 2.11 PREVAILING WIND DIRECTION

2.11.1 The prevailing wind direction will determine which receptors will be affected and at what frequency.

2.11.2 Meteorological data has been used from Southwell, available at [www.meteoblue.com](http://www.meteoblue.com) which is considered to be representative of conditions within the vicinity of the application site. According to the wind rose data for the area, the prevailing winds in the local area is from the South West (SW) as shown in Figure 1 below.

**Figure 1: Prevailing Wind Direction for Southwell**



2.11.3 As such, areas at most risk from dust emissions, should it occur, are therefore located north east (NE) of the site.



## 3.0 DUST AND PARTICULATE MANAGEMENT

### 3.1 RESPONSIBILITY FOR THE IMPLEMENTATION OF THE DMP

- 3.1.1 The implementation and dissemination of this DMP will be the responsibility of the Site Manager, supported by other staff. The Site Manager can delegate certain tasks as required, although ultimate responsibility will remain with them.
- 3.1.2 A nominated deputy will be appointed for all times when the Site Manager is not on site. In such circumstances, it will be the nominated deputy's responsibility to ensure that the requirements of the DMP are adhered to.
- 3.1.3 All site staff will receive instructions on how the plan is to be implemented during tool box talks on site.
- 3.1.4 This document forms part of the site's Environmental Management System (EMS) and will be reviewed on an annual basis to ensure that it is fit for purpose and meets the requirements of current guidance.

### 3.2 SOURCES AND CONTROL OF DUST - LOCAL CONTRIBUTORS

#### Permitted Facilities

- 3.2.1 In terms of local contributors, the EA's public register indicates that there is one permitted facility within 1km of the site that may be considered as a local contributor to dust emissions. Details of this facility are provided in Table 6 below and is identified on the receptor plan (Drawing Number PSL/B034779/REC/01).

**Table 4: Local Contributors of Dust within 1km of the Site**

Name of Site	Name of Operator	Site Address	Site Type	Environmental Permit Reference
Broadcroft Quarry	Portland Stone Limited	Bumpers Lane, Wakeham, Portland, Dorset, DT5 1JD	HCl Waste Transfer Station and Inert Landfill	Transfer station - EPR/UP3393FL (EAWML 23670) Landfill – EPR/DB3704MN (EAWML 210009)

#### Non-Permitted Facilities

- 3.2.2 In addition to permitted facilities, PSL operate another quarry site to the north of the application site and therefore may another local contributor to dust emissions. The quarry site is called Perryfield Quarry and is

located to the north of Weston Street at approximate NGR SY 69295 71166. The quarry is also identified on Drawing Number PSL/B034779/REC/01.

### 3.3 SOURCES AND CONTROL OF DUST

3.3.1 The key aspects of the process which may lead to dust emissions are identified in Table 7 below and the control measures that will be used are detailed in Table 8.

**Table 5: Source-Pathway-Receptor Routes from Waste Activities at the Site**

Source	Pathway	Receptor	Type of impact
Mud	Tracking dust on wheels and vehicles, then mud dropping off wheels/vehicles when dry	Public highways listed in Table 5.	Visual soiling, also consequent resuspension as airborne particulates
Debris	Falling off waste delivery vehicles	Public Highways listed in Table 5.	Visual soiling, also consequent resuspension as airborne particulates
Tipping, storage and treatment of waste inside building	Escape from buildings and subsequent atmospheric dispersion	Occupiers of domestic dwellings listed in Table 5.  Workforce in commercial and industrial properties listed in Table 5.  Schools and amenities listed in Table 5.  Priority habitats listed in Table 5.  Statutory ecological habitats listed in Table 5.	Visual soiling and airborne particulates.
Tipping, storage and treatment of wastes in the open	Atmospheric dispersion	Occupiers of domestic dwellings listed in Table 5.	Visual soiling and airborne particulates
Vehicle exhaust emissions	Atmospheric dispersion	Workforce in commercial and industrial properties listed in Table 5.  Schools and amenities listed in Table 5.	Airborne particulates
Non road going machinery exhaust emissions	Atmospheric dispersion		Airborne particulates
Dust from screening bunds	Atmospheric dispersion		Airborne particulates

		Priority habitats listed in Table 5.  Statutory ecological habitats listed in Table 5.	
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**Table 6: Measures to Control Dust/Particulates from Permitted Waste Activities**

Abatement Measure	Description / Effect	Trigger for implementation
<b>Preventative Measures</b>		
Enclosure within a building (for the HCI Waste Transfer Station only)	Wastes accepted for the HCI Waste Transfer Station will be processed within the confines of a building. This building benefits from roller shutter doors which will be kept closed when not in use (i.e. arrival or departure of vehicles) and during non-operational hours. In addition, pedestrian doors are also closed when not in direct use. This will minimise the risk of dust to impact receptors beyond the site boundary.	All preventative measures will be implemented during the operating hours detailed in Section 2.8.
Use of shredder	The shredder will be located within the HCI Waste Transfer Station building. This building benefits from roller shutter doors which will be kept closed when not in use (i.e. arrival or departure of vehicles) and during non-operational hours. In addition, pedestrian doors are also closed when not in direct use. The shredder will only operate on an ad-hoc basis, for approximately 30 days per year, thus minimising any noise arising from the shredding process.	
Site speed limit	Vehicle speeds will be limited on site and the access road to 10mph to prevent suspension and entrainment of dust. Clear signage is established on the site to reinforce the speed limit.	
No-idling policy	A 'No-idling policy' is in place at the site which requires all vehicles and plant to be switched off when not in use.  All vehicles delivering waste to the site will be directed to the working waste face, where they will tip their load (as directed by site operatives) and then leave the site.	
Minimising drop heights for waste	Drop heights will be minimised as much as practicable to reduce the generation of dust whilst waste is being deposited.	
Site surfacing	The site's surface comprises a combination of hardstanding and impermeable concrete surface. The site surfacing will be visually inspected on a weekly basis to ensure that all areas provide a smooth running surface. In the event that any	

Abatement Measure	Description / Effect	Trigger for implementation
	damage is identified on the site's surfacing, necessary remedial work will be undertaken as soon as possible. If possible, the area may also be closed off until the necessary remedial works have been undertaken.	
Sheeting of vehicles	Wastes being delivered to the site will be covered or sheeted to prevent dust emissions whilst the waste is in transit.	
Installed wheel wash	The site benefits from a wheel wash which will be used by all outgoing vehicles before they leave the site. The wheel wash is situated on the proposed exit route which is considered to be a suitable location in minimising mud being tracked onto the public roads.	
Maintenance of Plant and Equipment	<p>All plant and equipment will be maintained in accordance with the manufacturer's requirements. This will minimise the risk of mechanical failure which may result in increased dust emissions.</p> <p>In addition, all plant and equipment will be subject to visual checks on a daily basis prior to use to ensure that the equipment functions correctly. In the event that any damage is identified on any plant or equipment that may affect its performance, necessary remedial work will be completed as soon as practicable. If necessary, defective plant or equipment may be isolated/closed off for use until the necessary remedial works have been undertaken. With regards to cleaning equipment (i.e. road sweeper), arrangements will be made to employ alternative equipment.</p>	
Seeding of screening bunds	As shown on the Working Scheme (Drawing Numbers 801-05) a 3m high screening bund will be developed between the waste management facility and the inert landfill. This bund will be watered and seeded at the earliest opportunity to bind the surface and minimise the effects of wind blow.	
Good housekeeping	The only area of the site that will comprise a cleanable (concrete) surface is the HCI Waste Transfer Station building. The transfer station building will be subject to visual inspections on a daily basis in accordance with Section 3.5 to ensure that there is not a build-up of particulates on surfaces and equipment. In addition, site staff will remain vigilant during operational hours for any visible dust on surfaces and equipment. Any abnormal build-up of dust noticeable on surfaces and equipment will be removed as soon as is practicable.	
<b>Remedial Measures</b>		

Abatement Measure	Description / Effect	Trigger for implementation
Dust Suppression System	The HCl waste transfer station will benefit from a water misting system that's designed for dust suppression. The proposed layout of the suppression system is shown on Drawing Number 183/22.	<p>The dust suppression system will be employed if daily visual inspections identify any visible dust.</p> <p>It may also be employed following a review of the weather conditions which will be recorded on a daily basis. If these observations indicate that there is an increased risk to dust emissions, the dust suppression system will be employed</p>
On-site sweeping	A road sweeper will be contracted to clean the site entrance and access road.	A road sweeper will be employed if daily visual inspections identify any visible dust on the site entrance or access road.
Water suppression with bowser	A water bowser towed by a tractor will be used to suppress dust on haul roads, exposed waste surface and external waste stockpiles	<p>The water bowser will be employed if daily visual inspections identify any visible dust.</p> <p>It may also be employed following a review of the weather conditions which will be recorded on a daily basis. If these observations indicate that there is an increased risk to dust emissions, the water bowser will be employed.</p>

### 3.4 OTHER CONSIDERATIONS

#### Water Availability

- 3.4.1 As noted in Table 8, a water bowser and wheel wash will be used on site on the haul roads and the exposed waste surface if observations of the weather conditions indicate that there is an increased risk of dust. The water bowser will either be supplied through a mains water supply or rain water tanks that will be situated on site to collect rainwater for dust suppression.

3.4.2 In the event that the water can not be supplied through a mains water supply, operations would continue until dust monitoring indicates that remedial measures are required or operations must cease. Further details are provided in Section 3.5 below.

## 3.5 DUST MONITORING

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3.5.1 Daily monitoring in the form of a visual assessment will be conducted within the site, access road and haul road and on the local road network for any visible dust. This is based on the SGN S5.06 which notes that the 'no visible dust' criteria is normally an appropriate benchmark value for fugitive emissions from equipment, plant buildings, storage yards and materials handling.

3.5.2 According to the Environment Agency's Technical Guidance Note (TGN) M17 'Monitoring Particulate Matter in Ambient Air around Waste Facilities', a minimum of two monitoring points (one upwind and one downwind in relate to prevailing wind) should be established. As such, off site monitoring will take place which takes into consideration the prevailing wind direction (SW) and sensitive receptors that are within the permit boundary and are potentially downwind to some of the working phases.

3.5.3 Monitoring will also comprise daily observations on the meteorological conditions at the site. This data will be recorded and monitored by the Site Manager or an appropriately trained operator to identify adverse conditions that may trigger the requirement to implement remedial measures detailed in Table 8. For the purposes of this DMP, adverse conditions are defined by:-

- Wind speeds over 5m/s; and
- When <0.2mm of rainfall are recorded over a 24 hour period.

3.5.4 The results of the visual assessment and comments on the meteorological conditions will be recorded in the Daily Dust Conditions Log (Appendix B) and will be reviewed by the Site Manager (or an appropriately trained operator). PSL will maintain a record of the Daily Dust Conditions Log and will be referred to in the event of a complaint (as detailed in Table 10).

3.5.5 Monitoring will be undertaken during the operating hours detailed in Section 2.8. PSL do not propose to make any arrangements to monitor dust outside operating hours.

3.5.6 In the event that visible dust or high winds are identified through daily monitoring, the following actions will be undertaken.

**Table 7: Action Plan for Visible Dust or High Wind Speeds**

Action		Person responsible for ensuring action is carried out	Timescale for action completion
1	<p>The Site Manager (or a nominated deputy) will be notified and will make the appropriate managerial staff and site operatives aware.</p> <p>In the event that visible dust is identified from daily monitoring, the Site Manager (or a nominated deputy) will review site operations to establish if the site can be identified as the source of the dust.</p> <p>In the event that high wind speeds are observed, the Site Manager (or a nominated deputy) will proceed to implement remedial action(s) that are detailed in Step 2.</p>	Site Manager (or a nominated deputy)	Within one working day of observing visible dust or high wind speeds.
2	<p>If the visible dust can be directly related to the site or high wind speeds are observed, remedial action will be undertaken and may include the following depending on the source:-</p> <ul style="list-style-type: none"> <li>• Employ water bowser to dampen areas or equipment that may be generating dust;</li> <li>• Employ a road sweeper to clean the site entrance and access road that may be affected;</li> <li>• Relocate operations to less sensitive locations of the working face (if possible);</li> <li>• Reduce vehicle speeds from 10mph to 5mph</li> <li>• Reduction in site activities (e.g. limit waste deliveries to the site and limit waste treatment).</li> </ul>	Site Manager (or a nominated deputy)	Within one working day of observing visible dust or high wind speeds.
3	A follow up visual assessment will be undertaken off site on the local road network for any visible dust.	Site Manager (or a nominated deputy)	Within one working day of implementing remedial measure(s).
4	If visible dust is not identified, the Site Manager (or a nominated deputy) will ensure that any action taken and the effectiveness of that action is documented and a record will be maintained.	Site Manager (or a nominated deputy)	Within one working day of implementing remedial measure(s).
5	In the event that visible dust is identified following the implementation of remedial action(s), operations on site will cease and the EA will be informed.	Site Manager (or a nominated deputy)	Within one working day of implementing remedial measure(s).

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## 4.0 REPORTING AND COMPLAINTS RESPONSE

### 4.1 PURPOSE OF COMPLAINTS PROCEDURE

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- 4.1.1 A DMP should show how the operator will respond to complaints. Any complaints should be investigated promptly and appropriate remedial action should be taken. The complainant and anyone else likely to be affected should be informed of any action taken in response to the complaint.
- 4.1.2 A procedure has been developed (see Table 10 below) to ensure that complaints will be handled by PSL appropriately and consistently and to reassure the EA and the public that any of their concerns will be acknowledged and acted upon where appropriate. The procedure will be reviewed on an annual basis or in the event of any significant dust issues.

### 4.2 COMPLAINTS REPORTING ROUTE

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- 4.2.1 In order to ensure that members of the public are easily able to report any complaints relating to dust emissions from the site, there will be a display board at the site entrance which details the site name, the permit number, the EA's contact details and PSL's contact details. By providing contact details for the EA as well as the operator, this ensures that the member of public can report their complaint and be confident that it will be received by the appropriate party even if they feel uncomfortable discussing directly with the operator.

### 4.3 COMPLAINTS RECORDS

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- 4.3.1 Auditable records will be kept of any complaints made and the investigations undertaken. This will provide an ongoing record of the causes incidents which will enable PSL to identify any patterns which would prompt a review in dust management procedures and control measures.

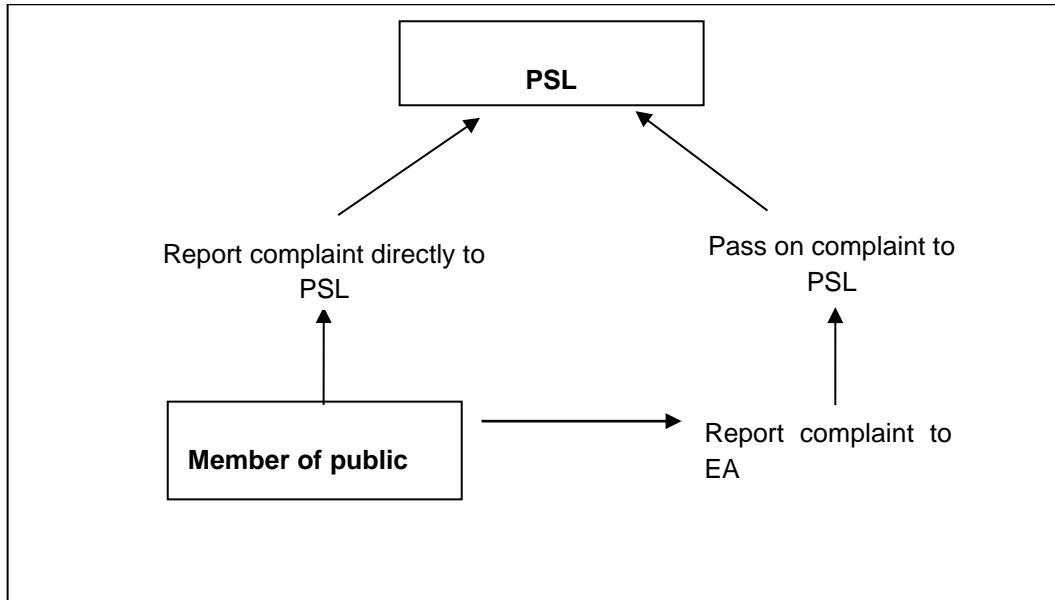
### 4.4 COMMUNITY ENGAGEMENT

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- 4.4.1 PSL will be undertaking regular community liaison group meetings with any interested local parties and any issues with dust can be raised at that time.



**Figure 2: Reporting Route**



**Table 8: Complaints Procedure**

	Action	Person responsible for ensuring action is carried out	Timescale for Action Completion
1.	<p>The Site Manager (or a nominated deputy) will be notified of the complaint and will make the appropriate managerial staff and site operatives aware of the complaint.</p> <p>The EA will also be notified of the complaint. The complaint shall be formally recorded using the Complaint Report sheet contained within the site's Environmental Management System</p>	Site Manager or appropriately trained operator	Within two working day of receipt of the complaint.
2.	<p>The complaint will be investigated by:-</p> <ul style="list-style-type: none"> <li>a) Checking the monitoring records to see whether the complaint corresponds to the monitoring records.</li> <li>b) Checking the Site Diary and waste acceptance records to see if any particularly dusty waste was accepted.</li> <li>c) Checking the Site Diary to see whether the complaint corresponds to any operational issues at the site.</li> </ul> <p>If the cause of the complaint is established, it will be recorded within the Complaint Record Sheet (Appendix C). If no particular cause is identifiable then this will also be recorded.</p>	Site Manager or appropriately trained operator	Within one working day of receipt of the complaint.

3.	If more than one complaint is received about a particular incident, then operations would cease and PSL would engage with the complainant(s) and agree corrective action(s) to be undertaken and timescales to implement.	Site Manager or appropriately trained operator	Within one working day of receipt of the complaints.
4.	The Site Manager will instigate any necessary reviews of procedures and will implement corrective action(s) that were agreed with the complainant(s).	Site Manager or appropriately trained operator	Works would commence within seven working days of agreeing corrective action. Completion will depend on timescales agreed with the complainant.
5.	Following the corrective action(s) have been implemented, the complainant and the Environment Agency will be informed.	Site Manager or appropriately trained operator	Within one working day of corrective action(s) being implemented.
6.	A follow up audit on the corrective actions implemented shall be undertaken to ensure the complaint is not made again in the future and that the preventive procedure is effective.	Site Manager or appropriately trained operator	Within two weeks of corrective action(s) being implemented.
7.	Once the follow up audit has been completed, the Site Manager will ensure that the complaint and any action taken and the effectiveness of that action are recorded in the Environmental Management System.  This record shall also note any amendments to procedures, both environmental and health & safety, which may be required following the investigation. The record shall be kept in the site office at all times or if it is an electronic record it will be accessible from the site.	Site Manager or appropriately trained operator	Within two weeks of receipt of corrective action(s) being implemented.

## DRAWINGS

PSL/B034779/PER/01- Environmental Permit Boundary

PSL/B034779/REC/01 – Receptor Plan

801-14 – Restoration Plan

801-13 – Restoration Landform

801-05, Rev A – Waste Management Facility

2904:315/001 – Proposed Waste Management Building

801-06 to 801-12 – Phasing Plans (7 Drawings)

183/22 – Sprinkler Location and Layout

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## APPENDICES

## APPENDIX A – PROPOSED WASTE TYPES

Table A1: Proposed Waste Types for Inert Landfill

EWC Code	Description
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 11</b>	<b>Wastes from manufacture of glass and glass products</b>
10 11 03	Waste glass-based fibrous materials
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>
15 01 07	Glass packaging
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 02	Glass
<b>17 05</b>	<b>Soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	Soil and stones other than those mentioned in 17 05 03
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTEWATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE</b>
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 05	Glass
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 02	Glass
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>
20 02 02	Soil and stones

Table A2: Proposed Waste Types for Household, Commercial and Industrial Waste Transfer Station

Waste Code	Description
<b>01</b>	<b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>
<b>01 01</b>	<b>Wastes from mineral extraction</b>
01 01 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
<b>01 03</b>	<b>Wastes from physical and chemical processing of metalliferous minerals</b>
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	Red mud from alumina production other than the wastes mentioned in 01 03 07
<b>01 04</b>	<b>Wastes from physical and chemical processing of non-metalliferous minerals.</b>

01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	Waste sand and clays
01 04 11	Wastes from potash and rock salt processing other than those mentioned in 01 04 07
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 03	Plant-tissue waste
02 01 04	Waste plastics (except packaging)
02 01 07	Wastes from forestry
02 01 10	Waste metal
<b>02 02</b>	<b>Wastes from the preparation and processing of meat, fish and other foods of animal origin</b>
02 02 03	Materials unsuitable for consumption or processing
<b>02 03</b>	<b>Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation</b>
02 03 04	Materials unsuitable for consumption processing
<b>02 04</b>	<b>Wastes from sugar processing</b>
02 04 01	Soil from cleaning and washing beet
02 04 02	Off-specification calcium carbonate
<b>02 05</b>	<b>Wastes from the dairy products industry</b>
02 05 01	materials unsuitable for consumption or processing
<b>02 06</b>	<b>Wastes from the baking and confectionary industry</b>
02 06 01	Materials unsuitable for consumption or processing
02 06 02	Wastes from preserving agents
<b>02 07</b>	<b>Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)</b>
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 04	Materials unsuitable for consumption or processing
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 01</b>	<b>Wastes from wood processing and the production of panels and furniture</b>
03 01 01	Waste bark and cork
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
<b>03 03</b>	<b>Wastes from pulp, paper and cardboard production and processing</b>
03 03 01	Waste bark and wood
03 03 07	Mechanically separated rejects from pulping of waste paper and cardboard
03 03 08	Wastes from sorting of paper and cardboard destined for recycling
03 03 10	Fibre rejects, fibre-, filler- and coating-sludges from mechanical separation
<b>04</b>	<b>WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRY</b>
<b>04 01</b>	<b>Wastes from the leather and fur industry</b>

04 01 08	Waste tanned leather (blue sheetings, shavings, cuttings, buffing dust) containing chromium
04 01 09	Wastes from dressing and finishing
<b>04 02</b>	<b>Wastes from the textile industry</b>
04 02 21	Wastes from unprocessed textile fibres
04 02 22	Wastes from processed textile fibres
<b>06</b>	<b>WASTES FROM INORGANIC CHEMICAL PROCESSES</b>
<b>06 09</b>	<b>Wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes</b>
06 09 02	Phosphorous slag
06 09 04	Calcium-based reaction wastes other than those mentioned in 06 09 03
<b>06 11</b>	<b>Wastes from the manufacture of inorganic pigments and opacifiers</b>
06 11 01	Calcium-based reaction wastes from titanium dioxide production
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 02</b>	<b>Wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 13	Waste plastic
<b>09</b>	<b>WASTES FROM THE PHOTOGRAPHIC INDUSTRY</b>
<b>09 01</b>	<b>Wastes from the photographic industry</b>
09 01 07	Photographic film and paper containing silver or silver compounds
09 01 08	Photographic film and paper free of silver or silver compounds
09 01 10	Single-use cameras without batteries
09 01 12	Single-use cameras containing batteries other than those mentioned in 09 01 11
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>
<b>10 01</b>	<b>Wastes from power stations and other combustion plants (except 19)</b>
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 05	Calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	Calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 15	Bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 19	Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 24	Sands from fluidised beds
<b>10 02</b>	<b>Wastes from the iron and steel industry</b>
10 02 01	Wastes from the processing of slag
10 02 02	Unprocessed slag
10 02 08	Solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	Mill scales
10 02 14	Filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	Other filter cakes
<b>10 03</b>	<b>Wastes from aluminium thermal metallurgy</b>
10 03 02	Anode scraps
10 03 05	Waste alumina
10 03 16	Skimmings other than those mentioned in 10 03 15
10 03 18	Carbon-containing wastes from anode manufacture other than those mentioned in 10 03 17
10 03 24	Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 26	Filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	Wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 30	Wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
<b>10 04</b>	<b>Wastes from lead thermal metallurgy</b>

10 04 10	Wastes from cooling-water treatment other than those mentioned in 10 04 09
<b>10 05</b>	<b>Wastes from zinc thermal metallurgy</b>
10 05 01	Slags from primary and secondary production
10 05 09	Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	Dross and skimmings other than those mentioned in 10 05 10
<b>10 06</b>	<b>Wastes from copper thermal metallurgy</b>
10 06 01	Slags from primary and secondary production
10 06 02	Dross and skimmings from primary and secondary production
10 06 10	Wastes from cooling-water treatment other than those mentioned in 10 06 09
<b>10 07</b>	<b>Wastes from silver, gold and platinum thermal metallurgy</b>
10 07 01	Slags from primary and secondary production
10 07 02	Dross and skimmings from primary and secondary production
10 07 03	Solid wastes from gas treatment
10 07 05	Filter cakes from gas treatment
10 07 08	Wastes from cooling-water treatment other than those mentioned in 10 07 07
<b>10 08</b>	<b>Wastes from other non-ferrous thermal metallurgy</b>
10 08 09	Other slags
10 08 11	Dross and skimmings other than those mentioned in 10 08 10
10 08 13	Carbon-containing wastes from anode manufacture other than those mentioned in 10 08 12
10 08 14	Anode scrap
10 08 18	Filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 20	Wastes from cooling-water treatment other than those mentioned in 10 08 19
<b>10 09</b>	<b>Wastes from casting of ferrous pieces</b>
10 09 03	Furnace slag
10 09 06	Casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	Casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 09 14	Waste binders other than those mentioned in 10 09 13
10 09 16	Waste crack-indicating agent other than those mentioned in 10 09 15
<b>10 10</b>	<b>Wastes from casting of non-ferrous pieces</b>
10 10 03	Furnace slag
10 10 06	Casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	Casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
10 10 14	Waste binders other than those mentioned in 10 10 13
10 10 16	Waste crack-indicating agent other than those mentioned in 10 10 15
<b>10 11</b>	<b>Wastes from manufacture of glass and glass products</b>
10 11 03	Waste glass-based fibrous materials
10 11 10	Waste preparation mixture before thermal processing, other than those mentioned in 10 11 09
10 11 12	Waste glass other than those mentioned in 10 11 11
10 11 16	Solid wastes from flue-gas treatment other than those mentioned in 10 11 15
10 11 18	Filter cakes from flue-gas treatment other than those mentioned in 10 11 17
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>
10 12 01	Waste preparation mixture before thermal processing
10 12 05	Filter cakes from gas treatment
10 12 06	Discarded moulds
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 10	Solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 12	Wastes from glazing other than those mentioned in 10 12 11



<b>10 13</b>	<b>Wastes from manufacture of cement, lime and plaster and articles and products made from them</b>
10 13 01	Waste preparation mixture before thermal processing
10 13 04	Wastes from calcination and hydration of lime
10 13 07	Filter cakes from gas treatment
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 13	Solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	Waste concrete
<b>11</b>	<b>WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO METALLURGY</b>
<b>11 01</b>	<b>Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)</b>
11 01 10	Filter cakes other than those mentioned in 11 01 09
11 01 14	Degreasing wastes other than those mentioned in 11 01 13
<b>11 02</b>	<b>Wastes from non-ferrous hydrometallurgical processes</b>
11 02 03	Wastes from the production of anodes for aqueous electrolytical processes
11 02 06	Wastes from copper hydrometallurgical processes other than those mentioned in 11 02 05
<b>11 05</b>	<b>Wastes from hot galvanising processes</b>
11 05 01	Hard zinc
11 05 02	Zinc ash
<b>12</b>	<b>WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS</b>
<b>12 01</b>	<b>Wastes from shaping and physical and mechanical surface treatment of metals and plastics</b>
12 01 01	Ferrous metal filings and turnings
12 01 03	Non-ferrous metal filings and turnings
12 01 05	Plastics shavings and turnings
12 01 13	Welding wastes
12 01 17	Waste blasting material other than those mentioned in 12 01 16
12 01 21	Spent grinding bodies and grinding materials other than those mentioned in 12 01 20
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>
15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
15 01 03	Wooden packaging
15 01 04	Metallic packaging
15 01 05	Composite packaging
15 01 06	Mixed packaging
15 01 07	Glass packaging
15 01 09	Textile packaging
<b>15 02</b>	<b>Absorbents, filter materials, wiping cloths and protective clothing</b>
15 02 03	Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
<b>16</b>	<b>WASTES NOT OTHERWISE SPECIFIED IN THE LIST</b>
<b>16 01</b>	<b>End-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)</b>
16 01 03	End-of-life tyres

<b>16 02</b>	<b>Wastes from electrical and electronic equipment</b>
16 02 11*	Discarded equipment containing chlorofluorocarbons, HCFC, HFC
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12
16 02 14	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16	Components removed from discarded equipment other than those mentioned in 16 02 15
<b>16 03</b>	<b>Off-specification batches and unused products</b>
16 03 04	Inorganic wastes other than those mentioned in 16 03 03
16 03 06	Organic wastes other than those mentioned in 16 03 05
<b>16 06</b>	<b>Batteries and accumulators</b>
16 06 04	Alkaline batteries (except 16 06 03)
16 06 05	Other batteries and accumulators
<b>16 11</b>	<b>Waste linings and refractories</b>
16 11 02	Carbon-based linings and refractories from metallurgical processes others than those mentioned in 16 11 01
16 11 04	Other linings and refractories from metallurgical processes other than those mentioned in 16 11 03
16 11 06	Linings and refractories from non-metallurgical processes others than those mentioned in 16 11 05
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 01	Wood
17 02 02	Glass
17 02 03	Plastic
<b>17 03</b>	<b>Bituminous mixtures, coal tar and tarred products</b>
17 03 02	Bituminous mixtures other than those mentioned in 17 03 01
<b>17 04</b>	<b>Metals (including their alloys)</b>
17 04 01	Copper, bronze, brass
17 04 02	Aluminium
17 04 03	Lead
17 04 04	Zinc
17 04 05	Iron and steel
17 04 06	Tin
17 04 07	Mixed metals
17 04 11	Cables other than those mentioned in 17 04 10
<b>17 05</b>	<b>Soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 08	Track ballast other than those mentioned in 17 05 07
<b>17 06</b>	<b>Insulation materials and asbestos-containing construction materials</b>
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03

<b>17 08</b>	<b>Gypsum-based construction material</b>
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01
<b>17 09</b>	<b>Other construction and demolition wastes</b>
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 01</b>	<b>Wastes from incineration or pyrolysis of waste</b>
19 01 02	Ferrous materials removed from bottom ash
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
19 01 18	Pyrolysis wastes other than those mentioned in 19 01 17
19 01 19	Sands from fluidised beds
<b>19 02</b>	<b>Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 10	Combustible wastes other than those mentioned in 19 02 08 and 19 02 09
<b>19 04</b>	<b>Vitrified waste and wastes from vitrification</b>
19 04 01	Vitrified waste
<b>19 05</b>	<b>Wastes from aerobic treatment of solid wastes</b>
19 05 01	Non-composted fraction of municipal and similar wastes
19 05 02	Non-composted fraction of animal and vegetable waste
19 05 03	Off-specification compost
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	Paper and cardboard
19 12 02	Ferrous metal
19 12 03	Non-ferrous metal
19 12 04	Plastic and rubber
19 12 05	Glass
19 12 07	Wood other than that mentioned in 19 12 06
19 12 08	Textiles
19 12 09	Minerals (for example sand, stones)
19 12 10	Combustible waste (refuse derived fuel)
<b>19 13</b>	<b>Wastes from soil and groundwater remediation</b>
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 01	Paper and cardboard
20 01 02	Glass
20 01 08	Biodegradable kitchen and canteen waste
20 01 10	Clothes
20 01 11	Textiles
20 01 21*	Fluorescent tubes and other mercury-containing waste
20 01 23*	Discarded equipment containing chlorofluorocarbons
20 01 34	Batteries and accumulators other than those mentioned in 20 01 33

20 01 35*	Discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36 *	Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 38	Wood other than that mentioned in 20 01 37
20 01 39	Plastics
20 01 40	Metals
20 01 41	Wastes from chimney sweeping
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>
20 02 01	Biodegradable waste
20 02 02	Soil and stones
<b>20 03</b>	<b>Other municipal wastes</b>
20 03 01	Mixed municipal waste
20 03 02	Waste from markets
20 03 03	Street-cleaning residues
20 03 07	Bulky waste

**Table A3: Proposed Waste Types for Inert Crushing and Screening Facility**

<b>EWC Code</b>	<b>Description</b>	<b>Restriction</b>
<b>01</b>	<b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>	
<b>01 01</b>	<b>Wastes from mineral extraction</b>	
01 01 02	Wastes from mineral non-metalliferous excavation	
<b>01 04</b>	<b>Wastes from physical and chemical processing of non-metalliferous minerals.</b>	
01 04 08	Waste gravel and crushed rocks other than those mentioned in 01 04 07	
01 04 09	Waste sand and clays	
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07	
<b>10</b>	<b>WASTES FROM THERMAL PROCESSES</b>	
<b>10 01</b>	<b>Wastes from power stations and other combustion plants (except 19)</b>	
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	
<b>10 11</b>	<b>Wastes from manufacture of glass and glass products</b>	
10 11 03	Waste glass-based fibrous materials	
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>	
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)	
<b>10 13</b>	<b>Wastes from manufacture of cement, lime and plaster and articles and products made from them</b>	
10 13 14	Waste concrete	
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>	
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>	
15 01 07	Glass packaging	
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>	
<b>17 01</b>	<b>Concrete, bricks, tiles and ceramics</b>	
17 01 01	Concrete	
17 01 02	Bricks	

17 01 03	Tiles and ceramics
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 02	Glass
<b>17 03</b>	<b>Bituminous mixtures, coal tar and tarred products</b>
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
<b>17 05</b>	<b>Soil (including excavated soil from contaminated sites), stones and dredging spoil</b>
17 05 04	Soil and stones other than those mentioned in 17 05 03 <sup>1</sup>
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 05 08	Track ballast other than those mentioned in 17 05 07
<b>17 09</b>	<b>Other construction and demolition wastes</b>
17 09 04	17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 03</b>	<b>Stabilised/solidified wastes</b>
19 03 05	Vitrified waste
19 03 07	Solidified wastes other than those mentioned in 19 03 06
<b>19 08</b>	<b>Wastes from waste water treatment plants not otherwise specified</b>
19 08 02	Waste from desanding
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 05	Glass
19 12 09	Minerals (for example sand, stones)
<b>19 13</b>	<b>Wastes from soil and groundwater remediation</b>
19 13 02	Solid wastes from soil remediation other than those mentioned in 19 13 01
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 02	Glass
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>
20 02 02	Soil and stones

**Table A4: Proposed Waste Types for Non-Hazardous Shredding Activity**

Waste Code	Description
<b>02</b>	<b>WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING</b>
<b>02 01</b>	<b>Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing</b>
02 01 04	Waste plastics (except packaging)
<b>03</b>	<b>WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD</b>
<b>03 03</b>	<b>Wastes from pulp, paper and cardboard production and processing</b>
03 03 08	Wastes from sorting of paper and cardboard destined for recycling
<b>07</b>	<b>WASTES FROM ORGANIC CHEMICAL PROCESSES</b>
<b>07 02</b>	<b>Wastes from the MFSU of plastics, synthetic rubber and man-made fibres</b>
07 02 13	Waste plastic
<b>15</b>	<b>WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED</b>
<b>15 01</b>	<b>Packaging (including separately collected municipal packaging waste)</b>

15 01 01	Paper and cardboard packaging
15 01 02	Plastic packaging
<b>17</b>	<b>CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)</b>
<b>17 02</b>	<b>Wood, glass and plastic</b>
17 02 03	Plastic
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION/INDUSTRIAL USE</b>
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>
19 12 01	Paper and cardboard
19 12 04	Plastic and rubber
<b>20</b>	<b>MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS</b>
<b>20 01</b>	<b>Separately collected fractions (except 15 01)</b>
20 01 01	Paper and cardboard
20 01 38	Wood other than that mentioned in 20 01 37
20 01 39	Plastics
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>
20 02 03	Other non-biodegradable wastes
<b>20 03</b>	<b>Other municipal wastes</b>
20 03 01	Mixed municipal waste
20 03 07	Bulky waste

## APPENDIX B - DAILY DUST CONDITIONS LOG

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## Daily Conditions Log

Date	
Name	
Monitoring Location(s)	
Observations	
Actions	
Signature	



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**APPENDIX C - COMPLAINT RECORD SHEET**

<b>Dust complaint report form</b>	<b>Date:</b>	<b>Ref. No.</b>
Name and address of complainant		
Tel no. of complainant		
Time and date of complaint		
Date, time and duration of offending dust		
Weather conditions (e.g., dry, rain, fog, snow)		
Wind strength and direction (e.g. light, steady, strong, gusting)		
Complainant's description of dust		
Has complainant any other comments about the offending dust?		
Any other previous known complaints relating to installation (all aspects, not just dust)		
Any other relevant information		
Potential dust sources that could give rise to the complaint		
Operating conditions at the time offending dust occurred		
Action taken:		
Final outcome:		
Form completed by	Signed	