

# Greenwich Soil Treatment Facility

784- B066441

## Dust Management Plan

Environmental Permit Application

Hanson Quarry Products Europe Ltd

May 2025

Document prepared on behalf of Tetra Tech Environment Planning Transport Limited. Registered in England number: 03050297

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# DOCUMENT CONTROL

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Appendix B – Complaints Form

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## 1.0 Introduction

### 1.1 Report Context

- 1.1.1 This Dust Management Plan (DMP) has been prepared by Tetra Tech on behalf of Operator, Hanson Quarry Products Europe Ltd (Hanson) to support an Environmental Permit Application for Hanson's site located at Tunnel Avenue, London, SE10 0QE, at approximate National Grid Reference (NGR) TQ 38942 79499.
- 1.1.2 Hanson seek to obtain a Bespoke Environmental Permit for a Soil Washing Facility and a Non-Hazardous Waste Treatment Facility that will process a maximum of 800,000 tonnes per annum of non-hazardous soils. The activities on site will comprise of both dry recycling and soil washing to produce quality aggregates, soils and clay products for construction projects.
- 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 *"keeping or treatment (or both) of household, commercial or industrial waste in a materials waste transfer station/ material recycling facility"* as well as the *"keeping or treating (or both) scrap metal"*.
- 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. Hanson 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 on the eastern bank of the River Thames approximately 800m northwest of the centre of Greenwich and is centred at approximate National Grid Reference (NGR) TQ 38942 79499. The application site is detailed on Drawing Number GRE/B066441/PER/01.
- 2.1.2 The site is predominantly industrialised area surrounded by additional industrial and commercial properties with the River Thames immediately to the west. The additional industrial and commercial properties border the north, east, and south of the site and include a Heidelberg Materials Ready-Mix Concrete Supplier, a waste management service, chemical wholesaler, docking warehouse, and boat maintenance facilities. A Local Nature Reserve, Mudchute Park and Farm Allotments, is located approximately 725m southwest of the site across the River Thames.
- 2.1.3 Access to the site is achieved via Tunnel Avenue which leads off Blackwall Tunnel Southern Approach (A102).

### 2.2 Overview of Site Activities

- 2.2.1 All site activities will be undertaken in accordance with EA Guidance 'Non-hazardous and inert waste: appropriate measures for permitted facilities' (Appropriate Measures).
- 2.2.2 It is the intention of Hanson to obtain an Environmental Permit to operate a Soil Washing and Dry Recycling Facility and on-site activity that will process a maximum of 800,000 tonnes per annum of non-hazardous soils.
- 2.2.3 The soil treatment facility will be to create recycled aggregates which are suitable for use in construction projects.
- 2.2.4 It is considered that the proposed soil washing activity will fall under the following Recovery and Disposal codes (R and D codes) shown in Table 2, provided for in Annex II to Directive 2008/98/EC of the European Parliament and The Council of 19<sup>th</sup> November 2008 Waste.

**Table 1: Proposed R and D Codes**

R/D Code	Description of Activity
R3	Recycling/ reclamation of organic substances which are not used as solvents
R5	Recycling/reclamation of other inorganic compounds
R13	Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced).

## 2.3 Waste Types

- 2.3.1 Details of the proposed waste types are provided as Appendix A.
- 2.3.2 Prior to being accepted onto the site, each load will be inspected by site management. If there is considered to be a risk of dust generation, mobile mist cannon will be used to dampen the wastes in the delivery vehicles prior to unloading and during the unloading operations. If the mobile mist cannon cannot rectify the risk of dust generation, the load will be rejected from the site.

## 2.4 Waste Quantities

- 2.4.1 The proposed facility will have an annual throughput of 800,000 tonnes.
- 2.4.2 There will be no hazardous waste accepted on site.

## 2.5 Process Description

### Soil Washing Facility

- 2.5.1 Upon arrival, all loads will be inspected by site management and any large or nonconforming materials will be removed prior to treatment. All stockpiles on site will be stored in a loose form and will be kept strictly at a height of 0.5m below any storage bays or walls. All soil washing activities will be undertaken on the site's impermeable surface.
- 2.5.2 Materials will be fed into a hopper with the assistance of mobile plant and will then travel along a conveyor, at which point any small pieces of metal which may be present within the waste loads will be removed using an overband magnet.
- 2.5.3 Any oversize materials (particles 100mm - 150mm) will be removed via a screener subject to materials feed.

- 2.5.4 The remaining waste material, varying in size depending on market demands, will then travel along a log washer where it will be sprayed with wash water. After passing along the log washer, the clean waste materials will be separated into smaller fractions via a gravel sizing screen.
- 2.5.5 The sand and silt fraction together with most of the water passes through screen and enters a sump from where it is pumped into a hydrocyclone or plate press, which will separate the sand from any contaminants. The water together with the silt and clay sized particles (together with any associated contaminants) will be forwarded from the hydrocyclone to the Siltbuster Water Treatment Plant. The water will then be recirculated back into the washing process.
- 2.5.6 Outputs from the Soil Washing Facility will be classed as products. However, any waste from the site will be categorised as set out in WM3 in accordance with Section 5.1 of the Appropriate Measures.

#### Physical Treatment Facility

- 2.5.7 Treatment undertaken under this activity within the Environmental Permit will consist of sorting, separation, screening, crushing, and blending of waste for recovery as a soil, soil substitute or aggregate.
- 2.5.8 Vehicles delivering waste loads will enter the site via the weighbridge, where the waste acceptance procedures mentioned above will be undertaken. If the waste is deemed acceptable, the driver will be directed to the waste treatment area as shown on the Site Layout Plan (Drawing Number GRE/B066441/LAY/01).
- 2.5.9 Waste will only be handled by competent staff.
- 2.5.10 A variety of waste treatment methods will be applied on site which is subject to the nature of the waste. Depending on the particle size of the material, a crusher may be employed to crush the waste and processed via a screener a second time to reduce the particle size of the material. Alternatively, wastes that originally comprise finer particles will not require crushing and therefore will only be processed via a screener.
- 2.5.11 Following treatment, the waste will be unloaded into clearly defined stockpiles located adjacent the waste treatment area. Processed materials will be stored on the existing site hardstanding.
- 2.5.12 Products produced will be in accordance with the relevant End of Waste Protocol. The resultant materials will be tested in accordance with the WRAP Quality Protocol in order to determine whether they have met end of life test and as such cease to be classified as waste. These materials will be stored on hardstanding.
- 2.5.13 The results of the testing will determine the destination of the material in accordance with the End of Waste Protocol.

2.5.14 Outputs from the Physical Treatment Facility will be classed as products. However, any waste from the site will be categorised as set out in WM3 in accordance with Section 5.1 of the Appropriate Measures.

2.5.15 All treatment and storage activities will occur on the site's impermeable surface.

#### Dust Suppression

2.5.16 The forms of dust suppression on site comprise of a mobile mister and a tractor bowser to minimise the risk of dust from all materials. Control measures implemented at the site are detailed in Section 3.2 below. Due to both forms of suppression being mobile, they have coverage of all parts of the site used for traffic and waste activities.

2.5.17 These forms of dust suppression will be used to dampen exposed areas of stored materials and haulage routes. The mobile mister will be used to dampen the wastes in the delivery vehicles prior to unloading operations. The suppression units will also be used on storage stockpiles during periods of dry/windy weather to prevent excessive drying and dust formation. A suitably trained nominated member of staff will be responsible for operating the dust suppression.

## 2.6 Waste Storage

2.6.1 There will be clearly defined areas for waste storage and treatment at the site. All stockpiles will be stored strictly at a height 0.5m below any storage bay or wall.

2.6.2 During periods of hot and dry weather, stockpiles will be periodically dampened throughout the day using the mobile dust suppression to prevent the materials becoming friable.

2.6.3 There will be a maximum storage capacity of 400,000 tonnes of untreated material.

2.6.4 There will be a further maximum storage capacity of 400,000 tonnes of treated material.

## 2.7 Operating Hours

2.7.1 The operating hours of the Facility will be as follows: -

- 24 hours Monday - Sunday

## 2.8 Plant and Equipment

2.8.1 The following equipment will be used on site: -

- Front end loading vehicle (FEL);
- 360 grab excavator;
- Mobile screener;
- Mobile crusher;

- Tractor bowser;
- Telehandler;
- Hopper;
- Conveyor;
- Over band magnet;
- Log washer;
- Gravel sizing screen; and,
- Hydrocyclone / filter press.

2.8.2 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, Hanson may decide to change their existing plant and equipment. As part of the process, Hanson 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. 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.

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

2.8.4 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 Environmental Management System.

2.8.5 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.

2.8.6 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.

## 2.9 Dust Sensitive Receptors

2.9.1 Receptors within 1km of the site have been listed in Table 2 and are shown on Drawing Number GRE/B066441/REC/01. Location of Potential Receptors Within 1km of the Site.

**Table 2: Location of Potential Receptors Within 1km of the Site**

ID	Receptor	Direction from Operational Area	Minimum Distance from the Permit Application Boundary (approx. m)
<b>Domestic Dwellings</b>			
1	Chandlers Ave Residential Estate	E	625
2	West Parkside Residential Estate	SE	1,000
3	School Square Residential Estate	SE	770
4	Estate South of Telcon Way	S	665
5	Residencies of the Isle of Dogs	W	370
6	Residencies of Blackwall	N	960
<b>Commercial and Industrial Premises</b>			
7	Commercial and Industrial Properties of Greenwich	N/E/S	Adjacent
8	Commercial and Industrial Properties of the Isle of Dogs	W	490
9	Commercial and Industrial Properties of Blackwall	NW	840
<b>Schools / Hospitals / Shops/Amenities</b>			
10	Mary Magdalene C of E All Through School Peninsula Campus	SE	560
11	Ravensbourne University London	NE	465
12	St Mary Magdeline Secondary School	SE	670
13	Cubitt Town Primary School	SW	625
14	Elizabeth School of London – Canary Wharf Campus	NW	950
15	KidsLap Day Nursery and Pre-school	NW	840
16	Millenium Minis	SE	900
17	St Lukes C of E Primary School	SW	805
18	Anna Fiorentini Theatre and Film School	SW	715
19	Canary Wharf College Glenworth	SW	835
20	Mudchute Farm Day Nursery	SW	680
21	Millenium Village School and Nursery	SE	775
22	University of Sunderland in London	NW	930
23	Island Health Drs	W	855
24	Island Medical Centre	W	605
25	Sweetie Clinic	NW	525
26	Baltic Medical Centre	NW	880
27	Wood Wharf Health Centre	NW	770
28	Greenwich Peninsula Practice	SE	850
29	Amenities of Greenwich	N/E/S	Adjacent
30	Amenities of the Isle of Dogs	W	380
31	Amenities of Blackwall	NW	890
32	Mulberry Wood Wharf Academy	NW	820
33	CU London University	NE	460
34	Allotments – Mudchute Park	SW	950
35	JW DJ AcademyMusic College	N	110
<b>Recreation</b>			
36	Golf Range and Crazy Golf	N	Adjacent

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37	The O2	N	390
38	IFS Cloud	E	510
39	Folly House Beach	W	340
40	Greenwich Outdoor Skating Zone	N	Adjacent
41	Tamworth Pig	SW	930
42	In2Sports	NW	830
43	Magazine London	N	355
44	Firepit Gallery	NE	610
45	NOW Gallery	NE	340
46	Studio 338	SE	310
47	Central Park	E	415
48	Southern Park	SE	920
49	Millwall Park and Playground	SW	940
50	Mudchute Park and Farm	SW	640
51	St Johns Park	W	600
52	St Johns Tennis Court	W	670
53	Harbour Quay Maze Play Area and Gardens	NW	950
54	Harbord Square Park and Playground	NW	815
55	Avyukt Playground	SE	945
<b>Highways/Minor Roads/Railways/Ferry</b>			
56	North Greenwich Underground	NE	260
57	A102	E	20
58	Millenium Way	E	90
59	A1206 West	W	690
60	North Greenwich Pier Ferry Terminal	W	470
<b>Protected Habitats</b>			
61	Mudchute Farm (LNR)	SW	735
62	Deciduous Woodland – Millenium Way	E	120
63	Deciduous Woodland – Mudchute Park	SW	735
64	Deciduous Woodland – Mudchute Park/Millwall Park	SW	865
65	Deciduous Woodland – Blackwall Lane	SE	880
66	Greenwich Peninsula Ecology Park	SE	905
<b>Surface Water e.g. rivers and streams</b>			
67	River Thames	W	25
68	South Dock	NW	720
69	Millwall Dock	SW	1,000
70	Blackwall Basin	NW	775
71	Greenwich Peninsula Ecology Park	SE	905
72	Blackwall Lane Stream	SE	870
73	Former Cubitt Town Dry Dock	SW	720
74	Leerdam Drive Pond	SW	680
<b>Nature and Heritage Screening Results</b>			
75	River Thames and Tidal Tributaries (LWS)	W	25
76	Protected Species – Atlantic Salmon	W	~25
77	Protected Species – Allis Shad Migratory Route	W	~25

78	Protected Species – European Eel Migratory Route	W	~25
79	Protected Species – River Lamprey Migratory Route	W	~25
80	Protected Species – Sea Lamprey Migratory Route	W	~25
81	Protected Species – Smelt	W	~25
82	Protected Species – Smelt Migratory Route	W	~25
83	Protected Species – Twait Shad Migratory Route	W	~25

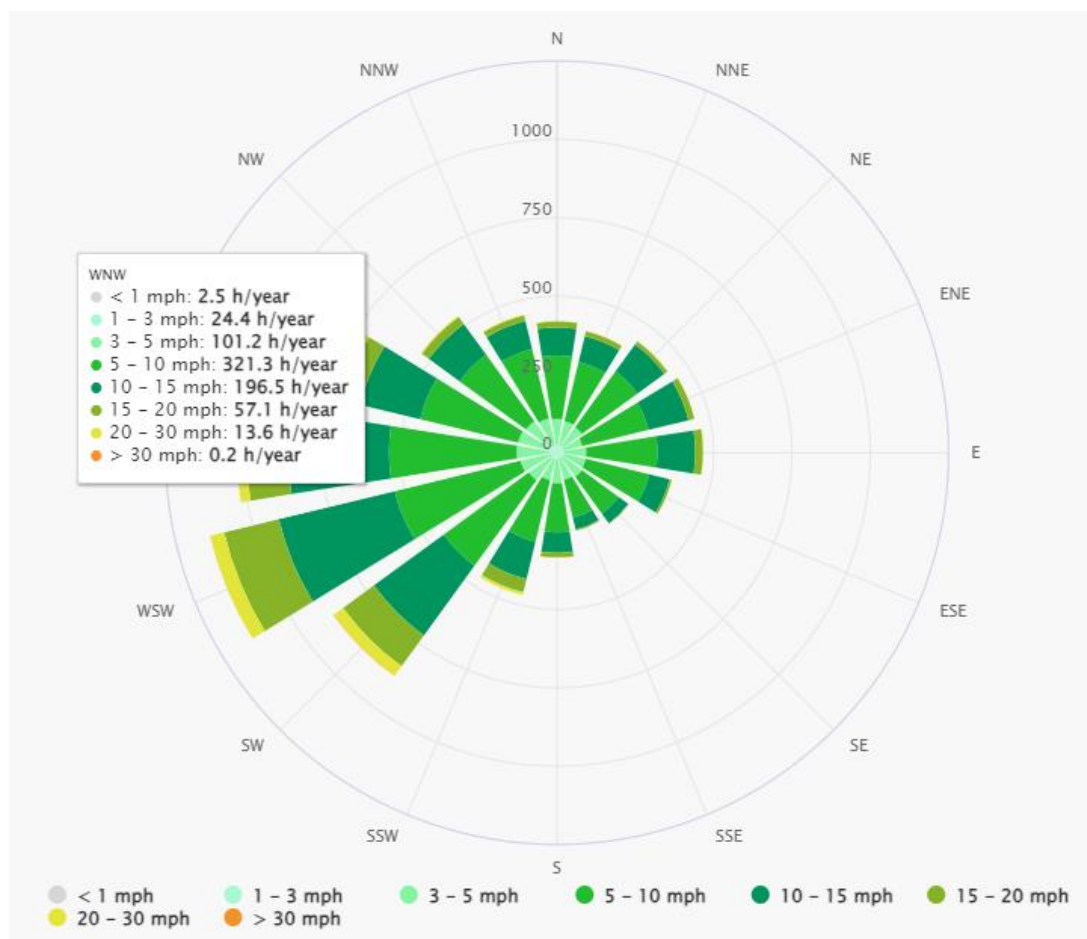
#### Groundwater (sensitivity)

According to the Multi-Agency Geographic Information for the Countryside's (MAGIC) website, the site is not situated within a Groundwater Source Protection Zone. The MAGIC website also indicates that the site is designated as a Secondary A bedrock aquifer and a Secondary (undifferentiated) Superficial Drift Aquifer. The site has a Medium-Low Groundwater Vulnerability.

## 2.10 Wind

- 2.10.1 The prevailing wind direction will determine which receptors will be affected and at what frequency.
- 2.10.2 Meteorological data has been used from Greenwich from [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 wind in the local area is from the southwest (SW) as shown in Figure 1 below.

Figure 1: Greenwich Prevailing Wind Direction



- 2.10.3 As such, areas at most risk from dust emissions, should it occur, are therefore located northeast of the site. The northeastern boundary is immediately bounded by additional commercial and industrial properties, with the A102 beyond. Consequentially, it is not anticipated dust emissions will negatively impact receptors beyond this boundary.
- 2.10.4 As noted in Table 2, there are surface water features within 1km of the site. According to the EA's 'Dust & Emission Management Plan' template, surface water and groundwater are not identified as receptors that that are susceptible to the adverse effects of exposure to high levels of dust and particulates. As such, these receptors are not considered further in this DMP.
- 2.10.5 As indicated in Drawing Number GRE/B066441/PER/01, the north, south, and east of the site is bordered by additional industrial activities and the west of the site is bound by the River Thames.

## 2.11 Local Contributors to Dust

- 2.11.1 According to the EA's public register, there are a few waste facilities within 1km of the site that may be considered as local contributors to dust emissions. Details of these facilities are summarised in the table below.

**Table 3: Local Contributors of Dust within 1km of the Site**

Name of Site	Name of Operator	Site Address	Site Type	Direction and distance from the site
Heidelberg Materials Ready-Mixed Concrete	Heidelberg Materials	The Weighbridge, Victoria Deep, Water Terminal 231, London, SE10 0QE	Ready-mix concrete supplier	Adjacent south
Testex	H. Sivyer Transport Limited	Morden Wharf Road, London, SE10 0NU	A16: Physical Treatment Facility (EPR/LP3395VN)	310m south
Brenntag UK Limited	Associated Reclaimed Oils Limited	215 Tunnel Avenue, London, SE10 0QW	A17: Physico-Chemical Treatment Facility	360m southeast

## 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 toolbox 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

- 3.2.1 The key aspects of the process which may lead to dust emissions are identified in Table 4 below and the control measures that will be used are detailed in Table 5.

**Table 4: 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 2.	Visual soiling, also consequent resuspension as airborne particulates
Debris	Falling off waste delivery vehicles	Public Highways listed in Table 2.	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 2.  Workforce in commercial and industrial properties listed in Table 2.  Amenities listed in Table 2.  Habitats listed in Table 2.	Visual soiling and airborne particulates.

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Vehicle exhaust emissions	Atmospheric dispersion	Occupiers of domestic dwellings listed in Table 2.	Visual soiling and airborne particulates
		Workforce in commercial and industrial properties listed in Table 2.	Airborne particulates
Non road going machinery exhaust emissions	Atmospheric dispersion	Amenities listed in Table 2.	Airborne particulates
		Habitats listed in Table 2.	Airborne particulates

**Table 5: Measures to Control Dust/Particulates from Permitted Waste Activities**

Abatement Measure	Description / Effect	Trigger for implementation
<b>Preventative Measures</b>		
Enclosure	<p>Wastes accepted for the site will be stored on external impermeable surface. All soil washing activities will be undertaken on an impermeable surface. As the wind direction is of a southwestern direction it is anticipated that the suspension of dust or the likelihood of dust transgressing the sites boundary will be minimal.</p> <p>Wastes which are stored in bays will have a minimum 300mm freeboard to aid in the reduction of wind whipping and soil disturbance.</p>	All preventative measures will be implemented during the operating hours detailed in Section 2.7.
Enclosure of waste treatment processes	Treatment of waste will comprise of soil washing and dry recycling activities.	
Site speed limit	<p>The site will have a speed limit of 5mph in place to restrict speed on site. This will prevent the suspension and entrainment of dust. Clear signage is established on the site to reinforce the speed limit.</p> <p>Traffic control and routing are also to be implemented to aid in controlling dust on site.</p>	
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.	
Minimising drop heights for waste	Drop heights will be minimised as much as practicable and managed in line with health and safety requirements, to reduce the generation of dust whilst waste is being deposited. Drop heights will not exceed 1.5m.	
Site surfacing	The site surfaces comprise of an impermeable surface. All soil washing activities will be undertaken on the impermeable 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 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.	

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	All site surfacing and access roads will benefit from a hard standing surface and therefore the risk of dust and mud being tracked on wheels is considered to be low.
Sheeting of vehicles	Wastes being delivered to the site will be covered or sheeted to prevent dust emissions whilst the waste is in transit.
Maintenance of Plant and Equipment	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.  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.
Good housekeeping	The site will be subject to visual inspections on a daily basis 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.
Misting Equipment and Water Sprays	During periods where dust is anticipated to be high, such as prolonged dry and/or hot weather or high winds, stockpiles, made ground and equipment will be dampened with misting equipment and sprays to mitigate the resuspension of dust particles.  Mobile suppression units will be implemented on-site.

### 3.3 Best Available Techniques

- 3.3.1 The EA's 'Dust & Emission Management Plan' template has been used to ensure that the Best Available Techniques (BAT) are implemented on site.
- 3.3.2 General site housekeeping will ensure that dust does not build up on site and all dust generating activities will be monitored closely and site operatives will be vigilant and report any excessive dust issues to the Site Manager to be dealt with at the next available notice.
- 3.3.3 The Site Manager will undertake a daily visual assessment of dust levels and all site operatives will be vigilant and report any problems to the manager.
- 3.3.4 Should dust, mud, litter or other debris be identified, a road sweeper will be employed to maintain the site cleanliness.
- 3.3.5 Further, the site layout has been constructed with consideration to neighbouring receptors, including the Protected Habitats, Surface Water Features and Deciduous Woodlands, so that they are unlikely to experience an increase in dust levels this is because the prevailing wind direction is from the southwest.

- 3.3.6 Vehicles delivering waste to the site will be covered or sheeted to prevent the generation of dust whilst the waste is in transit. Drop heights will also be minimised as much as practicable to reduce the generation of dust from loading/unloading activities (no more than 1.5m).
- 3.3.7 All plant and machinery will have effective silencers where practicable and be maintained in accordance with the manufacturer's requirements to minimise the risk of mechanical failure which could result in increased dust emissions.
- 3.3.8 Owing to the layout of the site within an industrial setting which is bounded to the north, south and east by other industrial uses, and by the River Thames to the west, it is considered impractical to consider the planting of grass or trees as there is no available open ground.
- 3.3.9 With the above measures in place, it is considered that the site is considered to be compliant with BAT.

### 3.4 Visual Dust Monitoring

- 3.4.1 Visual dust monitoring of waste stockpiles will be undertaken to determine if dust is being generated on site.
- 3.4.2 Monitoring will also comprise daily observations on the meteorological conditions (particularly the wind speed and direction) at the site. This information will be used by the Site Manager (or a nominated deputy) to determine the risk of dust emissions which is typically elevated during periods of dry weather or high winds. For the purposes of this DMP high winds have been defined Number 7 on the Beaufort scale where wind speeds range from 28-33 knots. The Beaufort Scale defines land conditions in high winds as "*whole trees in motion; inconvenience felt when walking against the wind*".
- 3.4.3 Daily monitoring will be undertaken by a member of site personnel who is trained in this procedure.
- 3.4.4 The results of the visual assessment and comments on the meteorological conditions will be recorded in the Daily Site Inspection Log (Appendix C) and will be reviewed by the Site Manager (or a nominated deputy). Hanson 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 7).
- 3.4.5 Monitoring will be undertaken during the operating hours detailed in Section 2.7. Hanson do not propose to make any arrangements to monitor dust outside operating hours.
- 3.4.6 In the event that visible dust or high winds are identified through daily monitoring, the following actions will be undertaken.

**Table 6: 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>• Reduce/limit waste deliveries to and from the site; and,</li> <li>• Reduce/limit waste treatment activities that present a high risk to dust emissions (e.g. shredding and granulator).</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) and the dust control methods fail, 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).

## 4.0 Reporting and Complaints Procedure

### 4.1 Purpose of Complaints Procedure

- 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 8 below) to ensure that complaints will be handled by Hanson 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

- 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 Hanson'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

- 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 Hanson to identify any patterns which would prompt a review in dust management procedures and control measures.

### 4.4 Community Engagement

- 4.4.1 Hanson 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

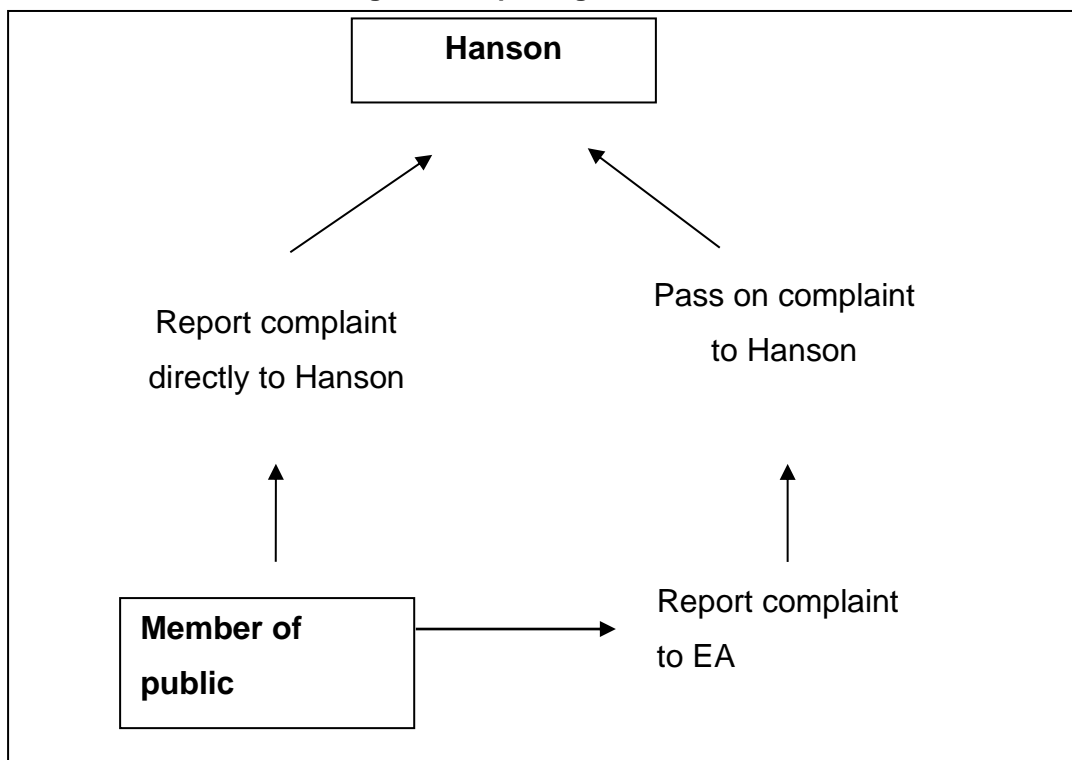


Table 7: Complaints Procedure

Action	Person responsible for ensuring action is carried out	Timescale for Action Completion
1. 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.  The EA will also be notified of the complaint. The complaint shall be formally recorded using the Complaint Report sheet (Appendix B).	Site Manager or appropriately trained operator	Within two working day of receipt of the complaint.
2. The complaint will be investigated by: -  a) Checking the monitoring records to see whether the complaint corresponds to the monitoring records.  b) Checking the Site Diary and waste acceptance records to see if any particularly dusty waste was accepted.	Site Manager or appropriately trained operator	Within one working day of receipt of the complaint.

## Dust Management Plan

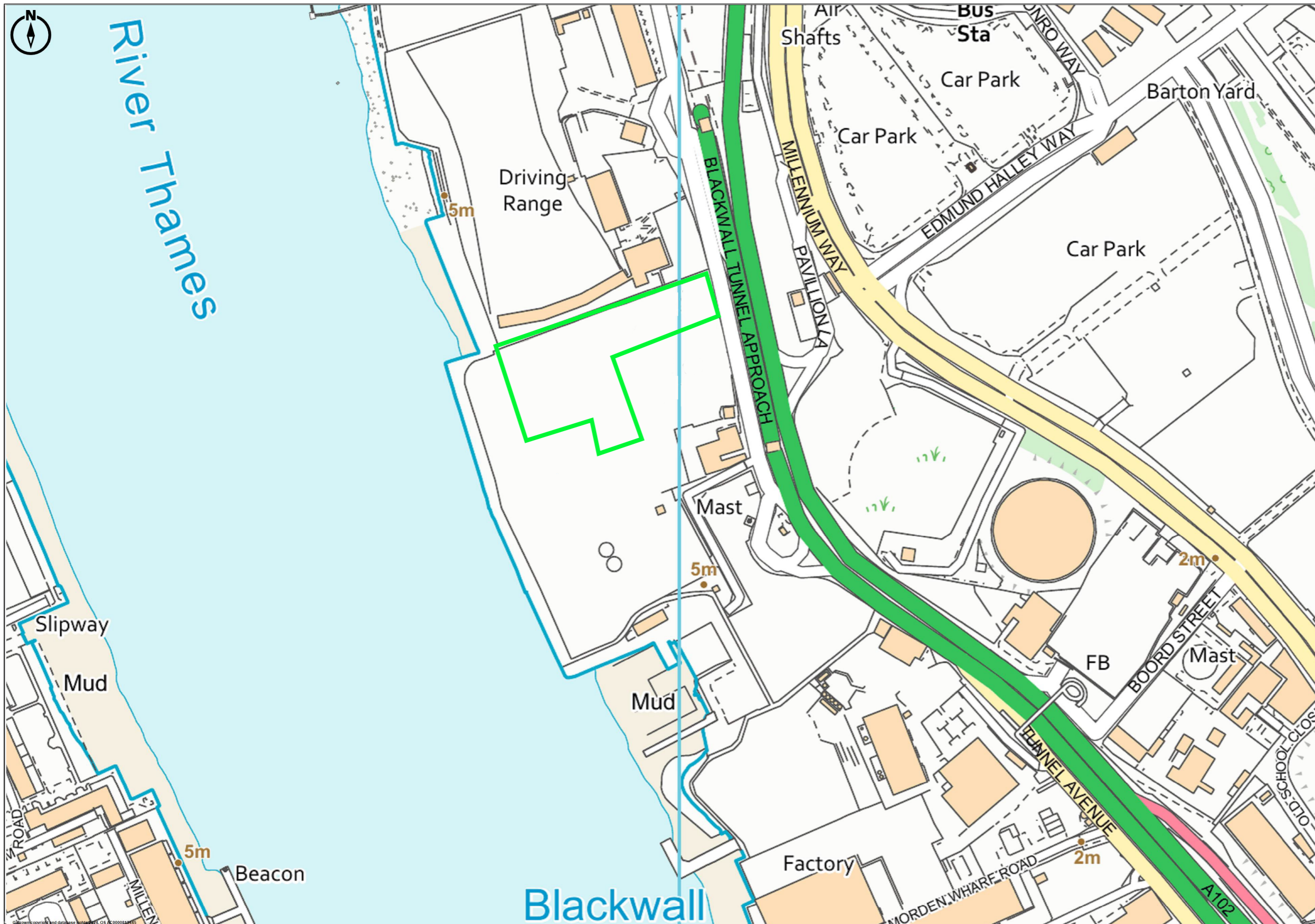
	<p>c) Checking the Site Diary to see whether the complaint corresponds to any operational issues at the site.</p> <p>If the cause of the complaint is established, it will be recorded within the Complaint Record Sheet (Appendix B). If no particular cause is identifiable then this will also be recorded.</p>		
3.	If more than one complaint is received about a particular incident, and the cause has not been established, Hanson 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.	<p>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.</p> <p>This record shall also note any amendments to procedures, both environmental and health &amp; 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.</p>	Site Manager or appropriately trained operator	Within two weeks of receipt of corrective action(s) being implemented.

## Drawings

GRE/B066441/PER/01 – Permit Boundary Plan

GRE/B066441/REC/01 – Environmental Receptor Plan

GRE/B066441/LAY/01 - Site Layout Plan



Client:  
Hanson Quarry Products

Project: Greenwich Soil Washing Facility

Title: Permit Boundary Plan

Drawing No: GRE/B066441/PER/02

Created: GA


Checked: LS

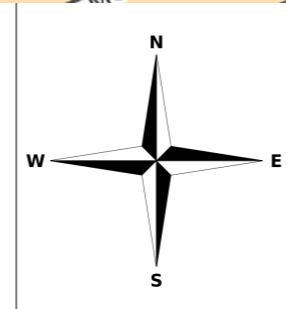
Date: 13/12/2024

Version: 1

Scale: 1:25,000

Key:

 ENVIRONMENTAL PERMIT BOUNDARY



2nd Floor,  
11 York Street,  
Manchester,  
M2 2AW

+44 7816191646

 **TETRA TECH**

47	Central Park
48	Southern Park
49	Millwall Park and Playground
50	Mudchute Park and Farm
51	St Johns Park
52	St Johns Tennis Court
53	Harbour Quay Maze Play Area and Gardens
54	Harbord Square Park and Playground
55	Avyukt Playground
<b>Highways/Minor Roads/Railways/Ferry</b>	
56	North Greenwich Underground
57	A102
58	Millenium Way
59	A1206 West
60	North Greenwich Pier Ferry Terminal
<b>Protected Habitats</b>	
61	Mudchute Farm (LNR)
62	Deciduous Woodland – Millenium Way


62	Deciduous Woodland – Millenium Way
63	Deciduous Woodland – Mudchute Park
64	Deciduous Woodland – Mudchute Park/Millwall Park
65	Deciduous Woodland – Blackwall Lane
66	Greenwich Peninsula Ecology Park
<b>Surface Water e.g. rivers and streams</b>	
67	River Thames


68	South Dock
69	Millwall Dock
70	Blackwall Basin
71	Greenwich Peninsula Ecology Park
72	Blackwall Lane Stream
73	Former Cubitt Town Dry Dock
74	Leerdam Drive Pond
<b>Nature and Heritage Screening Results</b>	
75	River Thames and Tidal Tributaries (LWS)
76	Protected Species – Atlantic Salmon
77	Protected Species – Allis Shad Migratory Route
78	Protected Species – European Eel Migratory Route
79	Protected Species – River Lamprey Migratory Route
80	Protected Species – Sea Lamprey Migratory Route
81	Protected Species – Smelt
82	Protected Species – Smelt Migratory Route
83	Protected Species – Twait Shad Migratory Route

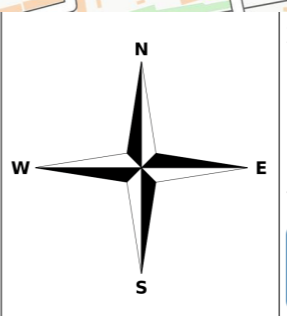
84	Commercial and Industrial Properties of Greenwich
85	Commercial and Industrial Properties of the Isle of Dogs
86	Commercial and Industrial Properties of Blackwall
<b>Schools / Hospitals / Shops/Amenities</b>	
87	Mary Magdalene C of E All Through School Peninsula Campus
88	Ravensbourne University London
89	St Mary Magdeline Secondary School
90	Cubitt Town Primary School
91	Elizabeth School of London – Canary Wharf Campus
92	KidsLap Day Nursery and Pre-school
93	Millenium Minis
94	St Lukes C of E Primary School
95	Anna Fiorentini Theatre and Film School
96	Canary Wharf College Glenworth
97	Mudchute Farm Day Nursery
98	Millenium Village School and Nursery
99	University of Sunderland in London
100	Island Health Drs
101	Island Medical Centre
102	Sweetie Clinic
103	Baltic Medical Centre
104	Wood Wharf Health Centre
105	Greenwich Peninsula Practice
106	Amenities of Greenwich
107	Amenities of the Isle of Dogs
108	Amenities of Blackwall
109	Mulberry Wood Wharf Academy
110	CU London University
111	Allotments – Mudchute Park
112	JW DJ AcademyMusic College
<b>Recreation</b>	
113	Golf Range and Crazy Golf
114	The O2
115	IFS Cloud
116	Folly House Beach
117	Greenwich Outdoor Skating Zone
118	Tamworth Pig
119	In2Sports
120	Magazine London
121	Firepit Gallery
122	NOW Gallery
123	Studio 338

Client:	Hanson Quarry Products
Created:	GA
Checked:	LS
Project:	Greenwich Soil Washing Facility
Date:	29/07/2024
Title:	Environmental Receptor Plan
Version:	1
Drawing No:	GRE/B066441/REC/01
Scale:	1:25,000

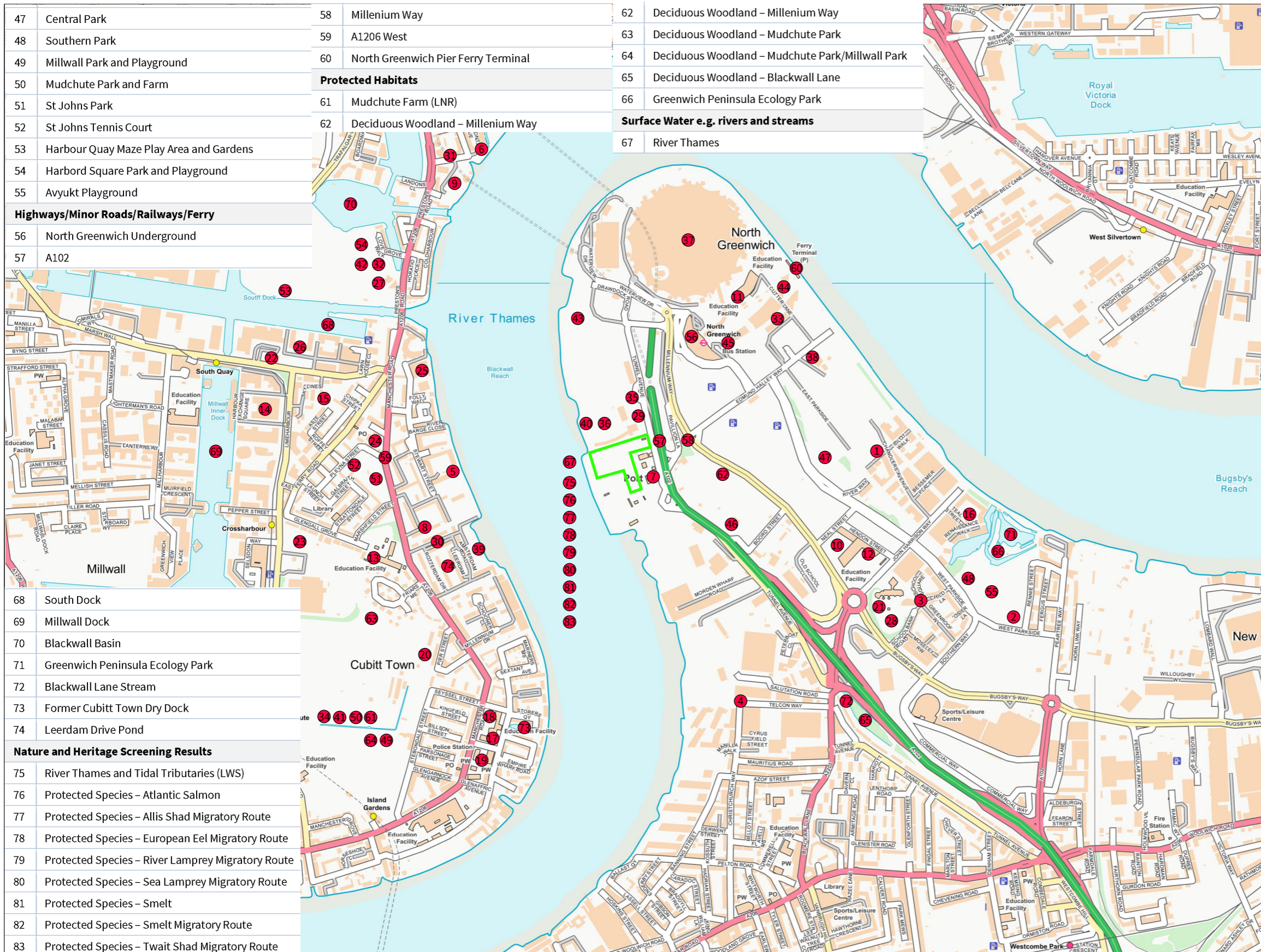
Key:

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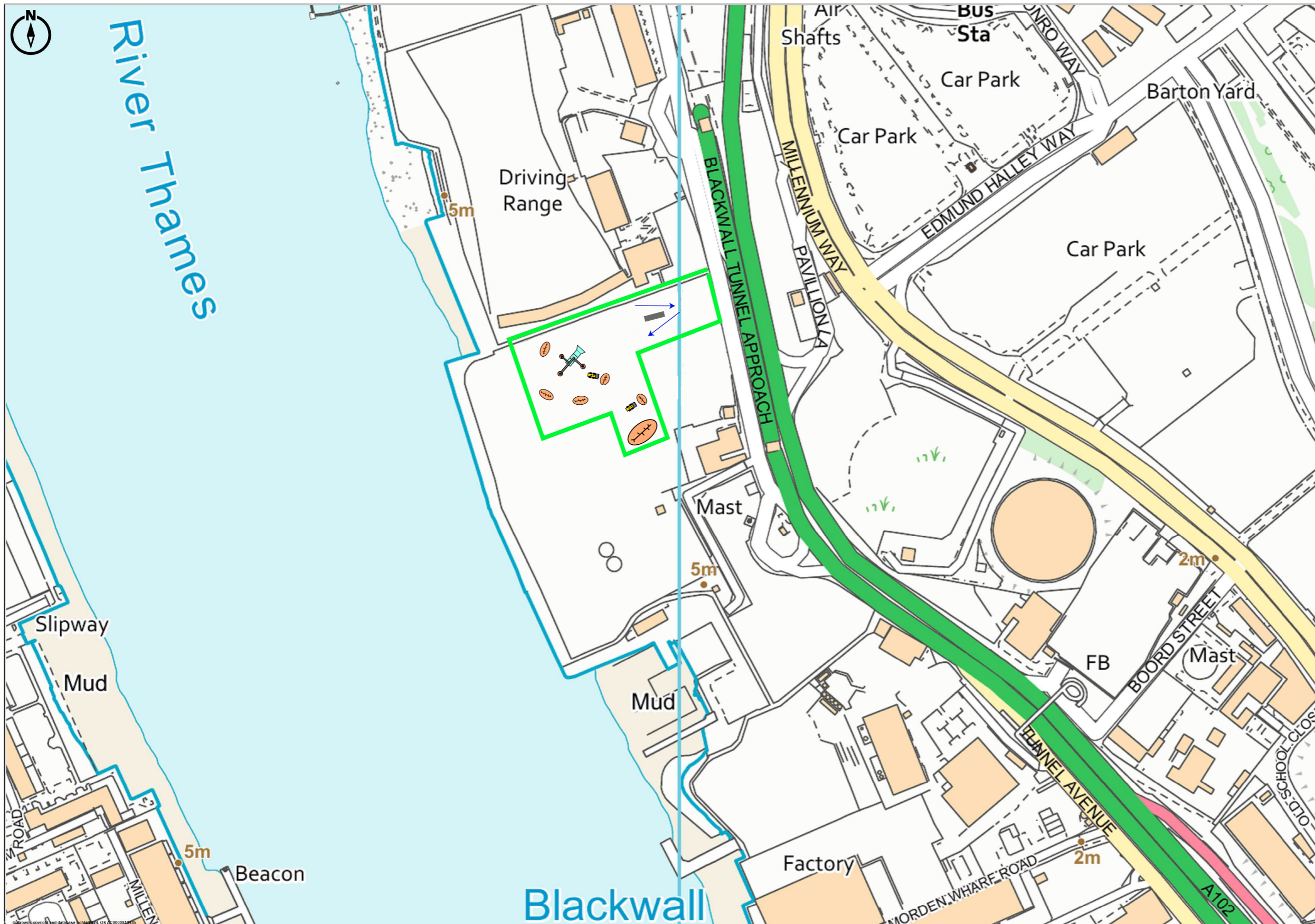
 ENVIRONMENTAL RECEPTOR



2nd Floor,  
11 York Street,  
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ID	Receptor
<b>Domestic Dwellings</b>	
1	Chandlers Ave Residential Estate
2	West Parkside Residential Estate
3	School Square Residential Estate
4	Estate South of Telcon Way
5	Residencies of the Isle of Dogs
6	Residencies of Blackwall
<b>Commercial and Industrial Premises</b>	
7	Commercial and Industrial Properties of Greenwich
8	Commercial and Industrial Properties of the Isle of Dogs
9	Commercial and Industrial Properties of Blackwall
<b>Schools / Hospitals / Shops/Amenities</b>	
10	Mary Magdalene C of E All Through School Peninsula Campus
11	Ravensbourne University London
12	St Mary Magdeline Secondary School
13	Cubitt Town Primary School
14	Elizabeth School of London – Canary Wharf Campus
15	KidsLap Day Nursery and Pre-school
16	Millenium Minis
17	St Lukes C of E Primary School
18	Anna Fiorentini Theatre and Film School
19	Canary Wharf College Glenworth
20	Mudchute Farm Day Nursery
21	Millenium Village School and Nursery
22	University of Sunderland in London
23	Island Health Drs
24	Island Medical Centre
25	Sweetie Clinic
26	Baltic Medical Centre
27	Wood Wharf Health Centre
28	Greenwich Peninsula Practice
29	Amenities of Greenwich
30	Amenities of the Isle of Dogs
31	Amenities of Blackwall
32	Mulberry Wood Wharf Academy
33	CU London University
34	Allotments – Mudchute Park
35	JW DJ AcademyMusic College
<b>Recreation</b>	
36	Golf Range and Crazy Golf
37	The O2
38	IFS Cloud
39	Folly House Beach
40	Greenwich Outdoor Skating Zone
41	Tamworth Pig
42	In2Sports
43	Magazine London
44	Firepit Gallery
45	NOW Gallery
46	Studio 338



Client:  
Hanson Quarry Products

Created: GA

Checked: LS

Project: Greenwich Soil Washing Facility

Date: 13/12/2024


Title: Indicative Site Layout Plan

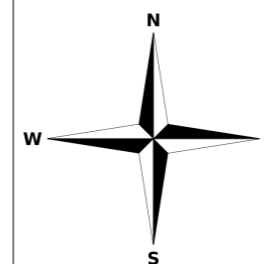
Version: 1

Drawing No: GRE/B066441/LAY/01

Scale: 1:25,000

Key:

 ENVIRONMENTAL PERMIT BOUNDARY



2nd Floor,  
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## Appendix A – Proposed Waste Types

Table A1: Soil Washing Facility Waste Types

EWC Code	Description	Restriction
<b>01</b>	<b>WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>	
<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 06	
01 04 09	Waste sand and clay	
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 11</b>	<b>Wastes from manufacture of glass and glass products</b>	
10 11 12	Waste that as waste glass other than those mentioned in 10 11 11	
<b>10 12</b>	<b>Wastes from manufacture of ceramic goods, bricks, tiles and construction products</b>	
10 12 08	Waste ceramics, brick, 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 that as waste concrete and concrete sludge	
<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	Selected C&D waste only
17 01 02	Bricks	Selected C&D waste only
17 01 03	Tiles and ceramics	Selected C&D waste only
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	Selected C&D waste only. Metal from reinforced concrete must have been removed.
<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	Excluding topsoil, peat; excluding soil and stones from contaminated sites
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	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 THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR 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 11*	Waste that as bottom ash and slag containing hazardous substances	
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11	
19 01 14	Fly ash other than those mentioned in 19 01 13	
19 01 16	Boiler dust other than those mentioned in 19 01 15	
19 01 18	Pyrolysis wastes other than those mentioned in 19 01 17	
19 01 19	Sands from fluidized beds	
<b>19 02</b>	<b>Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)</b>	
19 02 06	Waste that as sludges from physico/chemical treatment other than those mentioned in 19 02 05	
<b>19 12</b>	<b>Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified</b>	
19 12 09	Minerals only	Wastes from the treatment of waste aggregates that are otherwise naturally occurring minerals. Does not include fines from treatment of any non-hazardous waste or gypsum from

		recovered plasterboard.
19 12 12	Other wastes (including mixtures of materials) from other mechanical treatment of wastes other than those mentioned in 19 12 11	Including IBAA
<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 02</b>	<b>Garden and park wastes (including cemetery waste)</b>	
20 02 02	Soil and stones	Only from garden and parks waste; excluding topsoil, peat.

**Table A2: Physical Treatment Facility Waste Codes**

<b>EWC Code</b>	<b>Description</b>
<b>01</b>	<b>WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS</b>
<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
<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 and slag only
10 01 02	Pulverised fuel ash only
<b>10 11</b>	<b>Waste from manufacture of glass and glass products</b>
10 11 12	Clean glass other than those mentioned in 10 11 11
<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 processes)
<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 only
<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 waste packaging)</b>
15 01 07	Clean glass only

<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	Clean glass only	
<b>17 03</b>	<b>Bituminous mixtures, coal tar and tarred products</b>	
17 03 02	Road base and road planings (other than those containing tar) only	
<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, soil and stones other than those mentioned in 17 05 07	
<b>19</b>	<b>WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER 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 12	Waste that as other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	Including but not limited to IBAA
<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	Clean glass only	
<b>20 02</b>	<b>Garden and park wastes (including cemetery waste)</b>	
20 02 02	Soil and stones	

## Appendix B – Complaints Form

Dust complaint report form	Date:	Ref. No.
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	

## Appendix C - Daily Site Inspection Log

<b>Date</b>	
<b>Name</b>	
<b>Observations</b>	
<b>Actions</b>	
<b>Signature</b>	