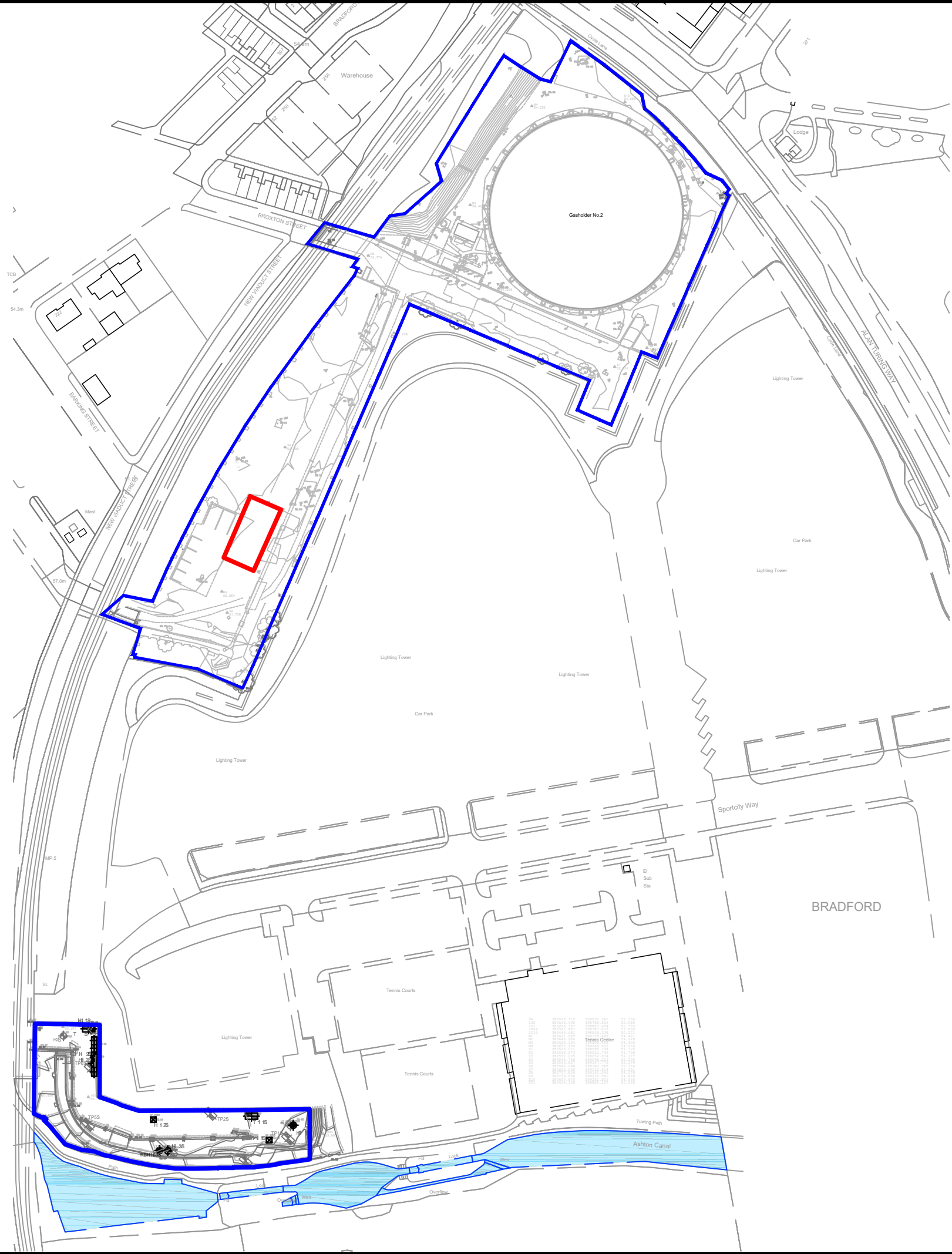
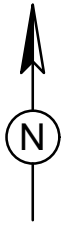


0 10 100
Millimetres



DO NOT SCALE



- KEY:
- NATIONAL GRID PROPERTY SITE OWNERSHIP BOUDNARY (CONTRACTOR TAKEOVER FROM BNP-PRE)
 - CADENT GAS SITE BOUNDARY

P03	16/04/24	FOR INFORMATION	DH	CW	NS
P02	03/05/23	FOR INFORMATION	ME	CW	NS
P01	20/02/23	FOR INFORMATION	ME	CW	NS
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status: **FOR INFORMATION** Suitability: **S2**

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York Street
Glasgow
G2 8JQ
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Fax:
www.atkinsrealis.com
© AtkinsRéalis (2024)

Client:
NATIONAL GRID PROPERTY HOLDINGS

Project Title:
**BRADFORD ROAD,
MANCHESTER (0049)**

Drawing Title:
SITE LAYOUT PLAN

Scale	Designed	Drawn	Checked	Authorised
1:2000	NS	ME	CW	NS
Original Size	Date	Date	Date	Date
A3	20/02/2023	20/02/2023	20/02/2023	20/02/2023

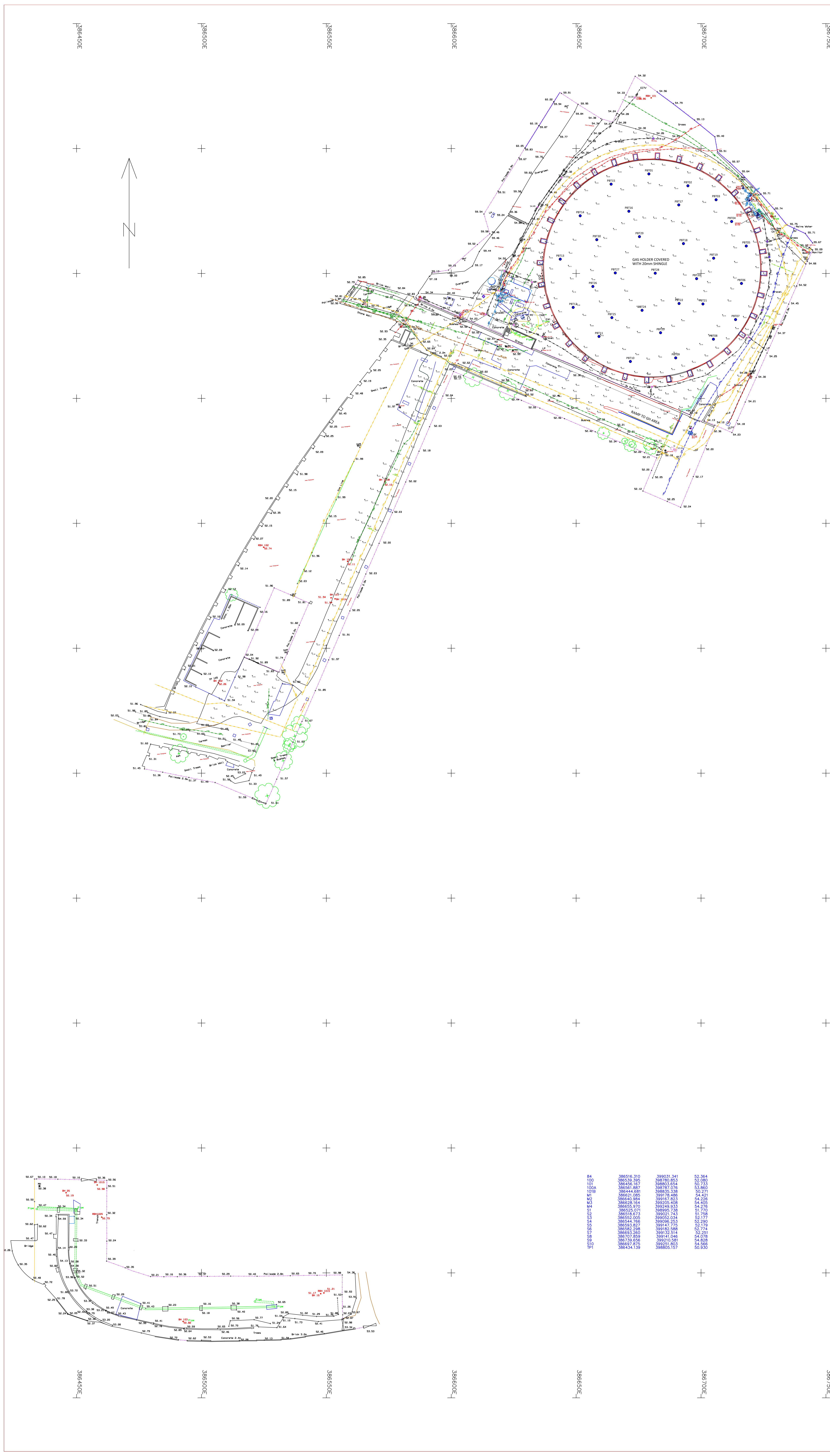
Drawing Number: **FIGURE 2** Revision: **P03**

Appendix B. Gasholder Cross-Section and As-Built Drawings

11682-ASBUILT-004 Asbuilt Survey

11682-FILL-005 Gasholder Ramp and Layer Volumes





OS NORTH / INDICATIVE ONLY

Topographical Abbreviations

BH	Borehole	MKR	Marker
BOL	Ballard	MT	Mercury Telecom Cover
BT	British Telecom Cover	OHC	Overhead Cable
CATV	Cable TV Cover	OHP	Overhead Pipe
CCTV	Closed Circuit TV	PS	Post Box
CM	Cable Marker	RS	Rodding Eye
CL	Cover Level	RD	Road Sign
CP	Electricity Junction Box	RWP	Rain Water Pipe
EC	Electricity Cover	SC	Stop Cock
EP	Electricity Pole	STA	Towne Station
ER	Earthing Rod	SV	Stop Valve
FN	Fire Hydrant	SV	Soil Vent Pipe
G	Gully	TB	Telephone Box
GV	Gas Valve	TJB	Telephone Junction Box
IC	Inspection Cover	TPT	Triad Pit
KO	Kerb Outlet	TL	Traffic Light
LB	Litterbin	TP	Telephone Pole
LC	Lamp Column	VP	Vent Pipe
LP	Lamp Post	WM	Water Meter
MN	Manhole	WV	Water Valve

Underground Services Abbreviations

A	Asphalt	INT	Intercepter
AC	Asbestos Cement	NVD	No Visible Ducts
BD	Back Drop	NVP	No Visible Pipes
BL	Base Level	NVC	No Visible Cuts
BR	Brick	OF	Offset
CI	Cast Iron	OSA	Offset Fill Point
CO	Concrete	PE	Polyethylene Pipe
CP	Catch Pit	PVC	Polyvinyl Chloride Composite
CPL	Catch Pit Base Level	PS	Pipe Signal
CR	Cable Riser	PT	Pipe Trap
d	Depth to Service (in metres)	RM	Rising Main
ED	Empty Duct	SA	Sokkeway
EOT	End of Trace	SN	Swan Neck
GRP	Ground Penetrating Radar	SP	Sum (Gray) Iron
GR	Gas Riser	SL	Still Level
HV	High Voltage	SS	Stainless Steel
HDPE	High Pressure Polyethylene	T	Tank
		UT	Unable to Find
		UTGA	Unable to Gain Access
		UTL	Unable to Lift
		UTR	Unable to Rod
		UTS	Unable to Survey
		UTT	Unable to Trace
		VC	Verified Clay
		VR	Vapour Recovery
		WL	Water Level
		WR	Water Riser

Legend

Cable TV	Heating Pipe
Communications	LPG
Compressed Air	Offset Fill Pipe
Drainage - Combined	Oil Pipe
Drainage - Foul	Radar Trace
Drainage - Surface	Survey Boundary
Ducting	Telecoms
Ducting - Empty	Traffic Control
Earth Cable	Trench Scar
Electric	Unidentified
Electric - HV	Vapour Recovery
Fuel Pipe	Vent Pipe
Gas	Water
Fuel Gauge Line	End Of Trace

Plate Bearing Test Position

Comments

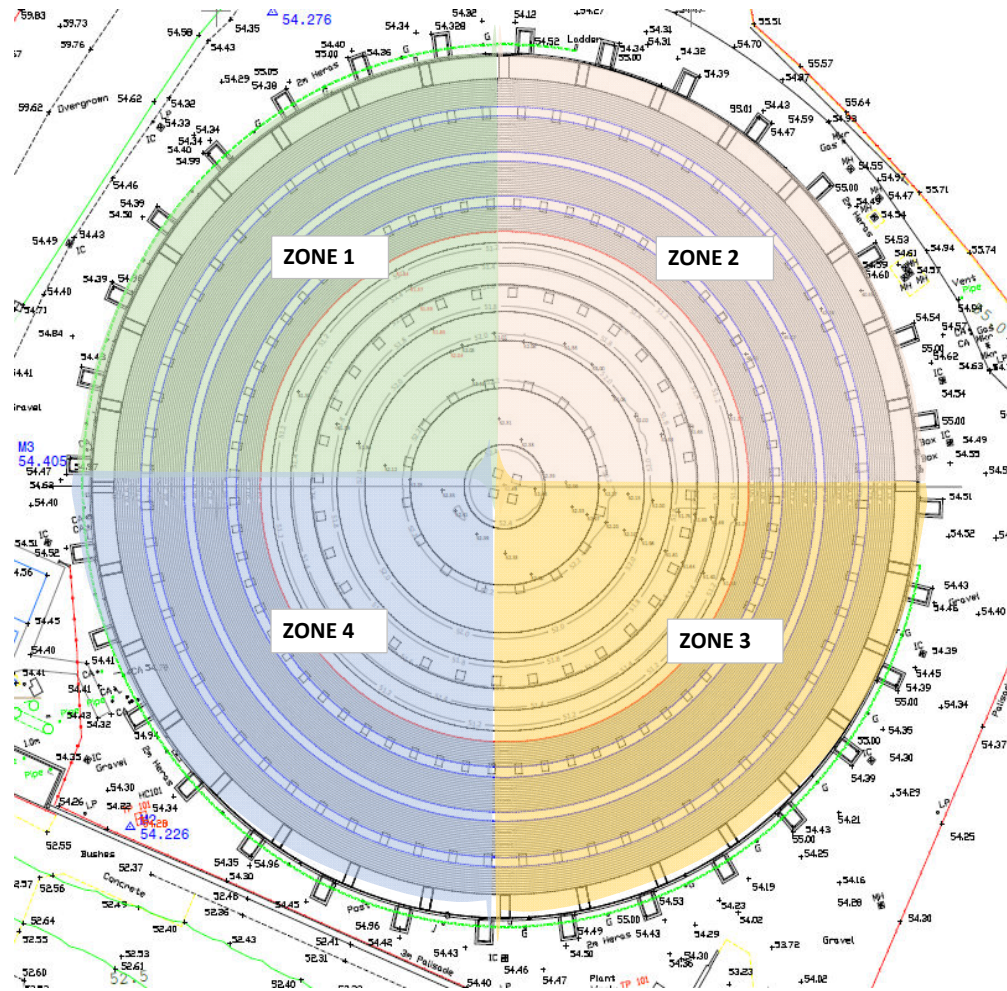
This plan should only be used for its original purpose. Erith accepts no responsibility for this plan if supplied to any party other than the original client.

All dimensions should be checked on site prior to design and construction.

Drainage information (where applicable) has been visually inspected from the surface and therefore should be treated as approximate only.

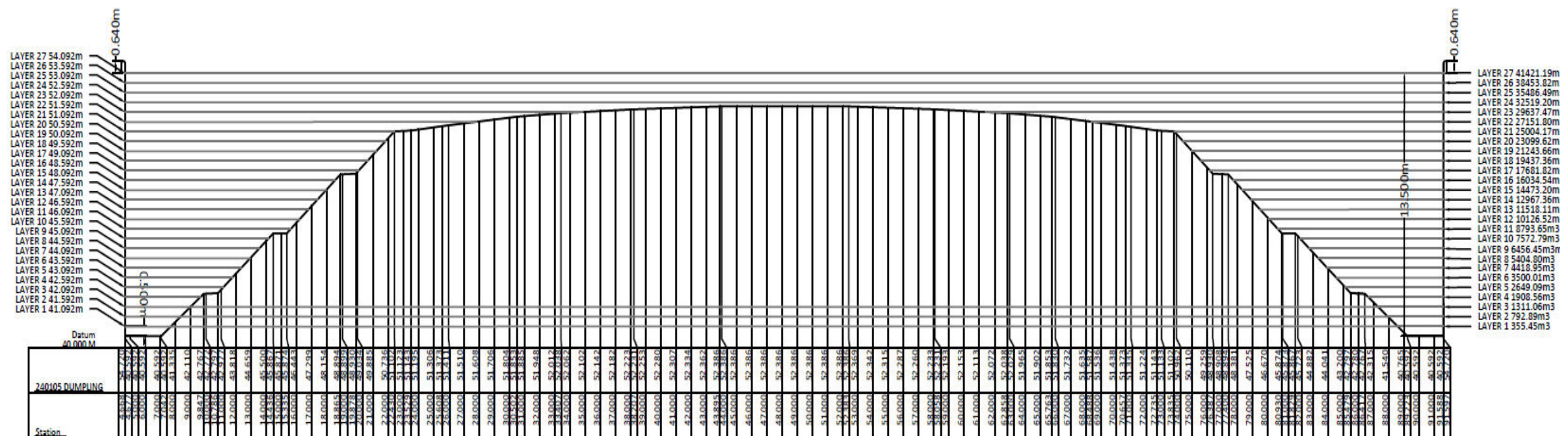
REV	COMMENT	DATE
Client NGPH		
Project BRADFORD ROAD GHD		
Title ASBUILT SURVEY		
Drawn by PV	Checked SH	Date 21-08-24
Original Scale 1:750	Date 21-08-24	Rev -
Drawing Number 12456-ASBUILT-004		

Gasholder No. 2- Zone Sketch



Saxon Street - Testing per Layer Breakdown	Column1	Column2	Column3	Column4	Column5	Column6
	Material	Start Depth (m)	Layer Depth (m)	Area (m2) layer	No. CBR Tests	No. NDM Tests
	1 Previous Material	45.592	5	2283.27		9
	2 General Fill	46.592	6	2733.52		9
	3 General Fill	47.592	7	2967.74		11
	4 General Fill	48.592	8	3193.08		11
	5 General Fill	49.592	9	3572.12		12
	6 General Fill	50.592	10	3673.70		14
	7 General Fill	51.592	11	3893.62		15
	8 General Fill	52.592	12	5416.33		21
	9 General Fill	53.592	13	5934.84		23
	10 General Fill	54.592	14	5934.84		23
	11 6F5	54.72	15	5934.84	30	

BRADFORD ROAD GH FILL VOLUMES



Appendix C. WRAP and Re-Use Certificates



C.1 Chartrange



TEST REPORT

Client Chartrange Ltd

Address Wharf Street
Dukinfield
Cheshire
SK16 4NJ

Contract Wharf Street,
Dukinfield

Job Number MRN 24009/40

Date of Issue 21 June 2024

Page 1 of 3

Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation.
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted.
- 5 The results included within the report are representative of the samples submitted for analysis.
- 6 This certificate should not be reproduced, except in full, without the express permission of the laboratory.



Andrew House, Hadfield Street, Dukinfield, Cheshire SK16 4QX Tel: 0161 475 0870
Email: enquiries@murrayrix.com Website: www.murrayrix.com

Also at: London: 020 8523 1999

Murray Rix is the trading name of Murray Rix (Northern) Limited. Registered in England 2878361

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

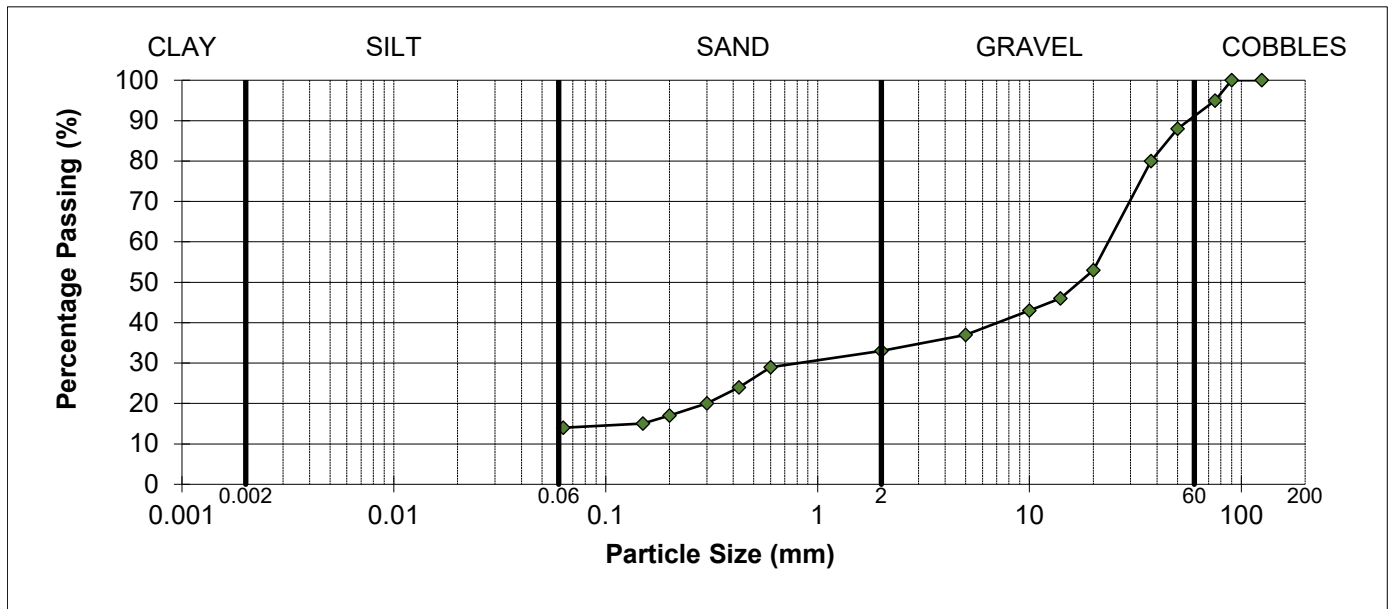
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Chartrange Ltd
SITE	Wharf Street, Dukinfield
JOB NUMBER	MRN 24009/40

SAMPLE LABEL	15/05/2024/DB-1A Fill - 01	DATE SAMPLED	15-May-24
LAB SAMPLE No	476001	DATE RECEIVED	15-May-24
DATE TESTED	16-May-24	SAMPLED BY	Murray Rix

MATERIAL	General Fill
ADVISED SOURCE	As client and site above

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	95-100	5	37	
90	100		2	33	
75	95		0.6	29	
50	88		0.425	24	
37.5	80		0.3	20	
20	53		0.2	17	
14	46		0.15	15	
10	43		0.063	14	<15



REMARKS

As received water content = 11.3%

Sample complies with the advised grading specification for a 1A material (SHW 2016), Uniformity coefficient = >10

SIGNED



NAME

O.P. Davies BA (Hons)
(Laboratory Manager)

DATE

21-Jun-24

TEST CERTIFICATE
PARTICLE SIZE DISTRIBUTION

BS EN ISO 17892-4:2016

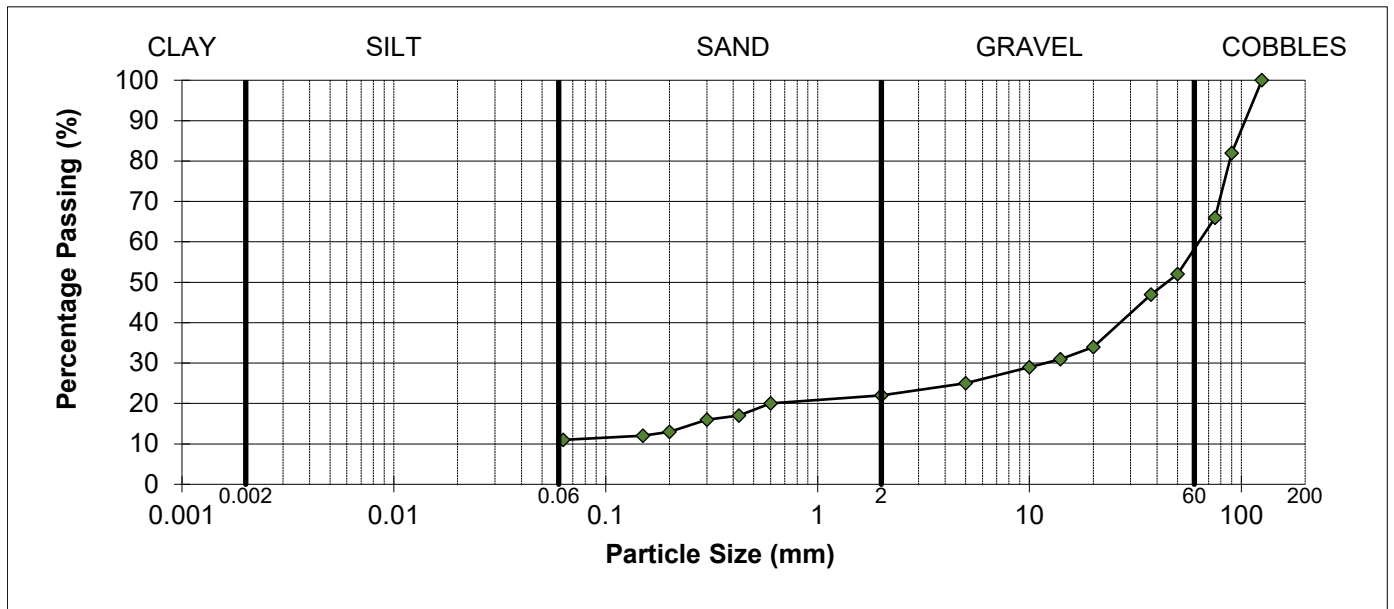
Determination of Water Content in accordance with BS EN ISO 17892-1:2014+A1:2022 (Oven Dry)

CLIENT	Chartrange Ltd
SITE	Wharf Street, Dukinfield
JOB NUMBER	MRN 24009/40

SAMPLE LABEL	15/05/2024/DB-6F2 - 01	DATE SAMPLED	15-May-24
LAB SAMPLE No	476002	DATE RECEIVED	15-May-24
DATE TESTED	16-May-24	SAMPLED BY	Murray Rix

MATERIAL	Crush
ADVISED SOURCE	As client and site above

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100	100	5	25	10-45
90	82	80-100	2	22	
75	66	65-100	0.6	20	0-25
50	52		0.425	17	
37.5	47	45-100	0.3	16	
20	34		0.2	13	
14	31		0.15	12	
10	29	15-60	0.063	11	0-12



REMARKS

As received water content = 10.6%

Sample complies with the advised grading specification for a 6F2 material (SHW 2016)

SIGNED



NAME

O.P. Davies BA (Hons)
(Laboratory Manager)

DATE

21-Jun-24

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Peel NRE Limited

Port Salford Aggregate Recycling Facility
Liverpool Road
Eccles
M30 7RX

Permit number

EPR/JB3308GN

Port Salford Aggregate Recycling Facility

Permit number EPR/JB3308GN

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

The site is located on land at Port Salford, Liverpool Road in Eccles.

The immediate surrounding area is mixed use with City Airport Manchester to the North of the site.

Waste treatment activities include the manual/mechanical segregation, screening and washing of non-hazardous waste streams from construction and demolition projects. The site will accept and process up to 250,000 tonnes per annum. The activities on site are being undertaken to facilitate recovery of the treated wastes.

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/JB3308GN/A001	Duly made 22/04/20	Application for inert waste physico-chemical treatment facility
Response to Schedule 5 notice dated 11/09/20	09/10/20	Revised Noise Management Plan, Dust Management Plan and information relating to quality protocols.
Response to request for further information dated 16/12/20	18/12/20	Revised Operational Plan and Site Location Plan.
Permit determined EPR/JB3308GN	03/02/21	Permit issued to Peel NRE Limited.

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/JB3308GN

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Peel NRE Limited ("the operator"),

whose registered office is

**Venus Building 1 Old Park Lane
Traffordcity
Manchester
M41 7HA**

company registration number 05060255

to operate waste operations at

**Port Salford Aggregate Recycling Facility
Liverpool Road
Eccles
M30 7RX**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Helen Marston	03/02/2021

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Avoidance, recovery and disposal of wastes produced by the activities

- 1.2.1 The operator shall take appropriate measures to ensure that:
- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.
- 1.2.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

1.3 Climate change

- 1.3.1 The operator shall review and if appropriate update, at least every 4 years, the climate change adaptation risk assessment submitted with the permit application, and shall update the written management system as appropriate.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.1; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

2.5 Pre-operational conditions

- 2.5.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 have been completed.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used

appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.

3.3.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
- (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.5 Monitoring

3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

- (a) point source emission specified in table S3.1;

3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.

3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3, table S3.1, unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.

3.6.2 The operator shall:

- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution, hazard or annoyance from pests;
- (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 Within one month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.3 Notifications

4.3.1 The Environment Agency shall be notified without delay following the detection of:

- (a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution;
- (b) the breach of a limit specified in the permit; or
- (c) any significant adverse environmental effects.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this

information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "without delay", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities	
Description of activities for waste operations	Limits of activities
R3: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes) R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where the waste is produced)	Treatment consisting only of washing, sorting, separation, screening, grading, or crushing waste into different components for the purposes of recovery. Treatment of slags and ashes for recovery shall not exceed 75 tonnes per day. Subject to any other requirements of this permit wastes shall be stored for no longer than 3 years prior to recovery. All waste shall be stored and treated on impermeable surface with controlled drainage.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Sector Guidance Notes S5.06 as referenced in section 3a, Table 3a – Technical Standards, Part B4 of the application form.	22/04/2020
Response to Schedule 5 Notice dated 11/09/2020	Noise Management Plan, reference 193237/NMP, revision A, dated October 2020	09/10/2020
Response to Schedule 5 Notice dated 11/09/2020	Dust Emissions Management Plan, reference 193237/DMP, revision D, dated October 2020	09/10/2020
Response to Request for further Information dated 16/12/2020	Operational Plan, reference 193237/OP, dated December 2020 Section 3 'Waste Management Operations' Section 4.2 'Process water, site run-off and discharges to land, controlled water and sewer' Appendix A 'Pre-Acceptance Controls' Appendix B 'Point of recovery and Environmental Testing' Appendix C 'Detailed Drainage Strategy' Appendix E 'SuDS Maintenance and Management Plan'	18/12/2020

Table S1.3 Improvement programme requirements						
Reference	Requirement				Date	
IC1	The Operator shall, for the first 12 months of operation, carry out monthly monitoring of the lagoon waters and sludges and shall monitor every discharge to Salteye Brook from the surface water lagoon discharge point. The substances to be monitored and the required limits of detection for analysing the samples are shown in the table below:				03/02/2022 or otherwise agreed in writing by the Environment Agency	
	IC1 Table of Pollutants					
	Pollutant	Limit of Detection Waters / Discharge (µg/l)	Limit of Detection Sludge (mg/kg)	Environmental Quality Standard (EQS) for freshwaters (µg/l)		Expressed as [Note 2]
	Benzene	< 1 + < 0.01	< 0.01 + < 0.05	10		AA
	Toluene			74		AA
	Ethylbenzene			Not applicable		
	Xylenes			30		AA
	Naphthalene			2		AA
	Arsenic	< 1	< 1	50		AA
	Boron	< 20	< 1	2000		AA
	Cadmium	< 0.1	< 0.2	0.15		DAA
	Chromium (VI)	< 20	< 1.5	3.4		DAA
	Chromium (III)	< 0.2	< 1	4.7		DAA
	Copper	< 1	< 1	1		DAA
	Lead	< 0.5	< 1	1.2		DAA
	Total Mercury	< 0.05	< 0.3	0.07		MAC 95%ile
	Nickel	< 1	< 1	4		DAA
	Selenium	< 2	< 10	Not applicable		AA
	Vanadium	< 1	< 10	20		AA
	Zinc	< 1	< 1	10.9		DAA
	pH	--	Not required	Not applicable		
	Sulphate	< 1 [Note 1]	< 50	400 [Note 1]		AA
	Visible oil and grease	--	Not required	Not applicable		
	PAH16 (USEPA)	Not required	< 0.05	Not applicable		
	[Note 1] Concentration in mg/l [Note 2] AA – Annual Average DAA – Dissolved Annual Average MAC 95%ile - Maximum Allowable Concentration, 95th percentile					
	Monitoring results are to be reported to the Environment Agency on a monthly basis using the email address GMMCLandandWater@environment-agency.gov.uk .					

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC2	Provide a written explanation for any detection, by the monitoring program in IC1, whether in the lagoon waters or discharge of any substances exceeding the freshwater EQS concentration (as listed in the IC1 Table of Pollutants). The explanation should reference the relevant operational circumstances preceding these exceedances. These should include, but not be limited to: • the chemical characteristics of waste recently accepted on site • the handling and storage of these wastes • any recorded accidental failures of operations including any outages of the waste treatment system • the rainfall characteristics prior to the detected EQS exceedances.	03/03/2022 or otherwise agreed in writing by the Environment Agency

Table S1.4 Pre-operational measures	
Reference	Pre-operational measures
PO1	The Operator shall provide a construction quality assurance report validation report and obtain the Environment Agency's written approval to it. The report shall include validation that the drainage system and site surfacing are constructed to the specification detailed in the Operator's Operational Plan referenced as 193237/OP and dated December 2020.

Schedule 2 – Waste types

Table S2.2 Permitted waste types and quantities for non-hazardous aggregate recycling facility	
Maximum quantity	The total quantity of waste accepted at the site for the above activity shall be less than 250,000 tonnes a year.
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 01	wastes from mineral excavation
01 01 02	wastes from mineral non-metalliferous excavation
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 08	waste gravel and crushed rocks other than those mentioned in 01 04 07
01 04 09	waste sand and clays
10	WASTES FROM THERMAL PROCESSES
10 02	wastes from the iron and steel industry
10 02 01	wastes from the processing of slag
10 11	wastes from manufacture of glass and glass products
10 11 12	waste glass other than those mentioned in 10 11 11
10 12	wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 13	wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 14	waste concrete and concrete sludge only
15	WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED
15 01	packaging (including separately collected municipal packaging waste)
15 01 07	glass packaging
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 01	concrete, bricks, tiles and ceramics
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
17 02	wood, glass and plastic
17 02 02	glass
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	soil (including excavated soil from contaminated sites), stones and

Table S2.2 Permitted waste types and quantities for non-hazardous aggregate recycling facility	
Maximum quantity	The total quantity of waste accepted at the site for the above activity shall be less than 250,000 tonnes a year.
Waste code	Description
	dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
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
19	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
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 05	glass
19 12 09	minerals (for example sand, stones)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01	separately collected fractions (except 15 01)
20 01 02	glass
20 02	garden and park wastes (including cemetery waste)
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference Period	Monitoring frequency	Monitoring standard or method
Surface Water lagoon discharge point on site plan	No parameter set	Lagoon overflow discharge	No limit set	--	Weekly	Visual assessment – no visible oil or grease
	Total Suspended Solids		100 mg/l	Spot sample	Monthly or in the event of a discharge.	MCERTS BS EN 872
	pH		N/A	Spot sample		BS ISO 10523
	No parameter set		N/A	--	--	Date of discharge events to be recorded

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to water Parameters as required by condition 3.5.1	Discharge point to Salteye Brook on drawing 193237/D/004	Monthly	1 January

Table S4.2 Reporting forms		
Media/parameter	Reporting format	Date of form
Water and Land	Form Water1 or other form as agreed in writing by the Environment Agency	03/02/21

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the breach of permit conditions not related to limits	
To be notified within 24 hours of detection	
Condition breached	
Date, time and duration of breach	
Details of the permit breach i.e. what happened including impacts observed.	
Measures taken, or intended to be taken, to restore permit compliance.	

(d) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“Annex I” means Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Annex II” means Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“List of Wastes” means the list of wastes established by Commission Decision 2000/532/EC replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“pests” means birds, vermin and insects.

“quarter” means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table S2.2, for that table, they have the meaning given below:

“hazardous substance” means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008.

“heavy metal” means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances.

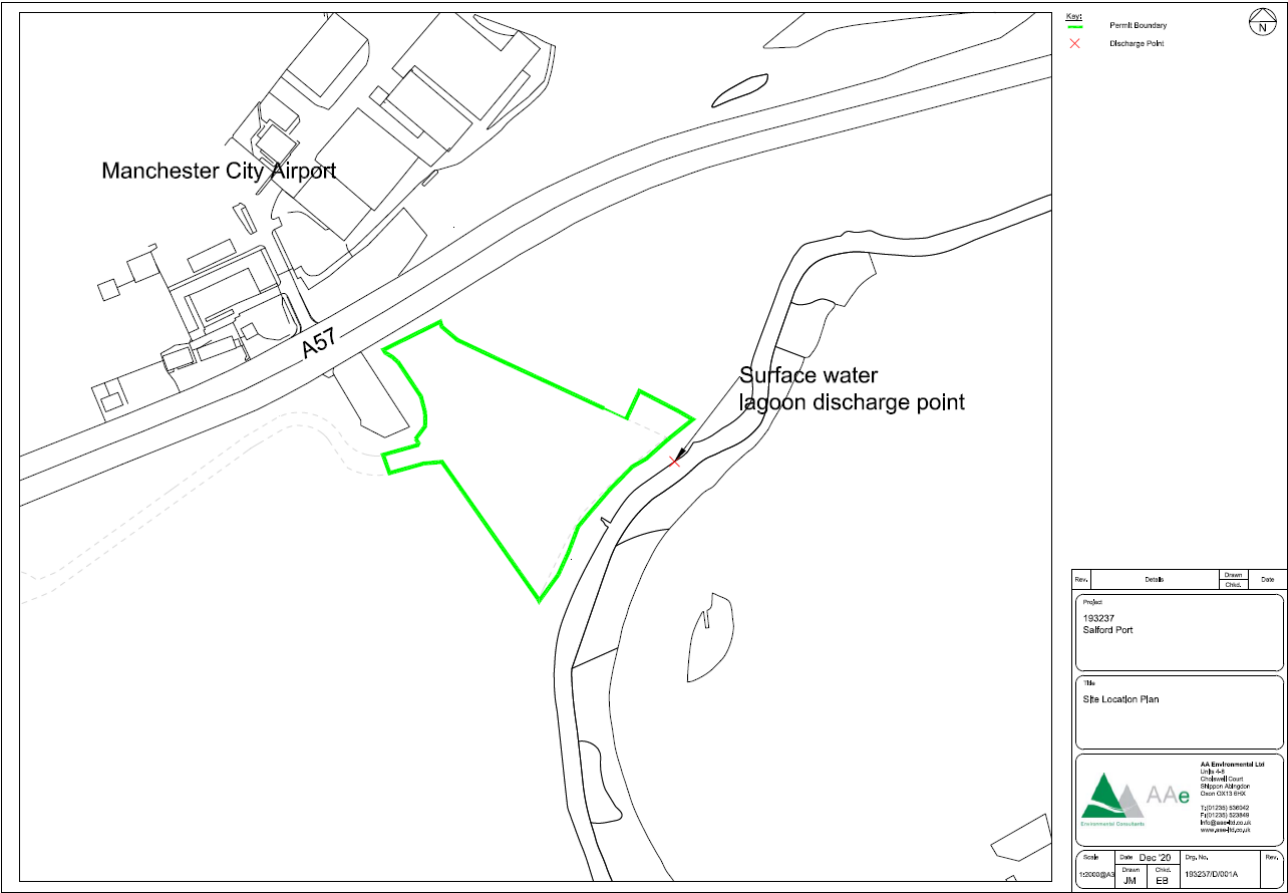
“PCBs” means

- polychlorinated biphenyls
- polychlorinated terphenyls

- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight.

“transition metals” means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances.

Schedule 7 – Site plan



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END OF PERMIT



Method Statement for the Production of Recycled Aggregates

‘The Quality Protocol’

Site Location

Wharf Street
Dukinfield
Cheshire
SK16 4NJ

0161 3394949
info@chartrangeltd.co.uk

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- 1. Background
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Appendix

- Process flow diagrams

1 Background issues

1.1 Scope

Chartrange operate a permitted inert waste transfer and treatment facility at their site at Wharf Street, Dukinfield. The site processes solid, non-hazardous, inert wastes from the construction and demolition Industry (C&D). The site is regulated by the Environment Agency for compliance with conditions of the Environmental Permit. Inert materials are sorted, screened and crushed in order to manufacture a number of recycled materials suitable to be re-used in the construction industry. This reuse of C&D waste reduces the need for virgin, quarried aggregates.

This manual is designed to provide customers the confidence that our products are manufactured in accordance with the requirements of the Aggregate Quality Protocol¹. Minimal frequencies of inspection and testing are specified within the manual to ensure that our products conform to any relevant technical specification.

1.2 Definition of waste

"Any substance or object the holder discards, intends to discard or is required to discard" is waste under the Waste Framework Directive (European Directive 2006/12/EC), which repeals the European Directive 75/442/EC as amended.

Once a substance or object has become waste, it will remain waste until it has been fully recovered and no longer poses a potential threat to the environment or to human health.

From this point onwards, the waste ceases to be waste and there is no longer any reason for it to be subject to the controls and other measures required by the Directive.

1.3 The Environment Agency

The Environment Agency considers waste to remain waste until it is fully recovered. This view also applies to waste used as aggregate/construction material in civil engineering applications.

Full recovery can be obtained when such waste is incorporated into a road or building or, for inert waste, after processing if such a process is conducted following the criteria specified in the Quality Protocol for the Production of Aggregates from Inert Waste (revised edition). The Quality Protocol provides the processors with a uniform control process from which they can reasonably state and demonstrate the recovery of their product.

Until the point of recovery, the transport, treatment, management and use of such materials need to be undertaken in accordance with the Environmental Permitting Regulations. It is also a requirement that materials recovered from waste should not

¹ http://www.wrap.org.uk/downloads/0083_Quality_Protocol_A4.b473fe66.87.pdf

cause any harm to the environment or to human health. The recycled aggregates should have no additional levels of contamination than that of the virgin aggregate it replaces.

Chartrange has determined that the C&D waste ceases to be waste after the material has undergone treatment and is fully recovered, in accordance with this Quality Protocol Management System, and is placed into aggregate stockpiles awaiting sale.

1.4 Recycled Aggregate Demand

The use of recycled aggregates is a growing trend in the house building and general construction industry. This follows the Governmental view of the waste management hierarchy which highlights the need to move waste management practices away from landfill disposal and to promote reduction, re-use, recycling and recovery.

Should the material be designated as waste it will have serious implications on the use of recycled aggregates as the Environment Agency require a waste management exemption registration which places an unnecessary bureaucratic burden on the industry. This additional paperwork may make the use of small scale volumes of recycled material non cost effective, as it will be easier to purchase quarried material, even with the quarry tax. There is also the potential for projects that could use recycled aggregates that do not meet any of the exemption criteria and would therefore require an environmental permit application. This would make the project unfeasible.

This document has been produced in line with the WRAP document entitled 'Quality Protocol, Aggregate from Inert Waste'. It contains the relevant management controls to ensure the produced aggregates have been fully recovered and thus not waste at the point of production.

2 The Quality Protocol

2.1 Overview

Chartrange operate under an Environmental Permit to keep and treat inert waste. They have been supplying recycled aggregates and soils to a number of construction companies for many years. Recycled materials are supplied in a 20 tonne HGV load. As discussed in the previous section if these were described as waste then each construction site would have to have an exemption in place with the Environment Agency to accept the aggregate. This would equate to many man hours of bureaucracy for both the housebuilder and the Regulator.

The site can produce the following recycled materials:

- Soil substitute for turfing
- MOT type 1
- 6F2/6F5 recycle aggregate
- Class 1A Aggregate bulky hardcore

2.2 Source of Waste

Inert soils and hardcore are selectively brought into site from C&D sites. Materials not suitable for the treatment process are not imported ie heavy clay based soils or contaminated material. The input material is controlled under the Environmental Permit (EAWML/50052). This inert waste is then moved to the processing area to be further treated to make suitable products.

Inert bulk loads of mixed soil and stone are delivered from excavation sites. Loads of hardcore are delivered from demolition projects such as the demolition of old buildings / mills etc. A load ticket to show where the waste has come from is completed along with a valid waste transfer note.

Inert waste

The following table of waste are suitable for the process.

EWC code	Description	Restrictions
10 11 03	Waste glass based fibrous materials	Only without organic binders
15 01 07	Glass packaging	Selected construction and demolition waste acceptance only with low content of other types of materials (metals, plastics, organics, wood, rubber etc). The origin of the waste must be known.
17 01 01	Concrete including solid dewatered concrete process waste	
17 01 02	Bricks	
17 01 03	Tiles and ceramics	
17 01 07	Mixtures of concrete, bricks, tiles and ceramics	
17 02 02	glass	
17 05 04 17 05 08	Soils and stones including gravel, crushed rock, sand, clay, road base and plantings, and track ballast	Excluding topsoil, peat; excluding soil and stones from contaminated sites
19 12 05	Glass	
20 01 02	Glass	Separately collected glass only
20 02 02	Soils and stones restricted to parks waste	Only from garden and parks waste; excluding topsoil, peat

Landfill Directive defines inert waste as follows:

"Waste is considered inert if:

1. It does not undergo any significant physical, chemical or biological transformations;
2. It does 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; and
3. Its 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 or groundwater."

2.3 Acceptance Criteria

Due to the the waste acceptance checks checks required by the Environmental Permit and Working Plan, all inert waste has already been checked for contamination and suitability for the yard.² All waste coming from sites with possible contamination sources, or external contractors, must be accompanied with a chemical analysis or a declaration that the material is suitably inert. Analysis is assessed with the requirements of the Permit, and if in doubt advice is sought from our consultants. Visual inspections of the loads when they arrive are carried out by the yard manager during tipping, with any non conforming material either segregated or rejected before being stored to await processing.

2.4 Production of Aggregates

The appendix contains process diagrams to show the possible products manufactured at our Dukinfield premises.

2.4.1 Class 1A Material

The first material manufactured on site is 'Class 1A' (1A). 1A is the first size to be removed from the screening process. The screener removes all the large lumps and stone, concrete and brick from the waste. The vast majority of the 1A is processed further to manufacture a 6F5³ recycled aggregate. However 1A has a small demand and is used to make and repair internal site haul roads on construction sites or farm tracks.

1A Aggregate will

- Contain < 1% soil and particles less than 20mm
- Be free of metal⁴
- Be free of wood⁴
- Be free of paper⁴
- Be chemically inert
- Be of a size suitable for use as a crusher feedstock⁵

The Class 1A Aggregate will be visually inspected. Once it is compliant with the above criteria it will be transferred to the external production area. Should the Class 1A Aggregate contain foreign items (wood etc) then the hardcore will be hand picked until it meets the above criteria

However over 98% of the 1A will be used as a feedstock to produce the 6F5.

2.4.2 6F5 Aggregate

This is an engineered grading for recycled aggregates to be used as a sub-base for roads, pavements, car parks etc. It is also commonly used in foundations as a piling mat. It is manufactured from crushed brick, stone and concrete, and must meet the

² The Environmental Permit has strict limits of what can be accepted.

³ Highways Agency S series 600 Earthworks

⁴ The quality protocol allows low contents of these materials to be in the waste. This is due to the fact it is not physically possible to remove 100% of these items

⁵ Large concrete items may be broken in order to fit in the crusher or remove rebar using a 'pecker'

Specification Based on the November 2007 *Manual of Contract Document for Highway Works: Volume 1 (MCHW1), Specification for Highway Works, Series 600* (note appendix)

2.4.3 MOT type 1 (SHW type 1 sub-base)

This product is defined by the Specification for Highway Works to be used to provide structural support below roads and also for buildings. It is manufactured from concrete only.

2.4.4 Class 'B' Soil (0-12mm)

This class of manufactured aggregate is generally used as a soil substitute for landscaping projects eg bunds or for a sub base for laying grass turf on.

2.5 Testing

In order to demonstrate an aggregate meets a specified standard, samples will be taken to accredited laboratories for:

- Particle size distribution testing
- Chemical testing⁶

The chemically testing for soil type material will typically include the following suite:

Sulphate (2:1 sol)
Sulphate total
pH

2.5.1 Testing Schedule

The frequency of testing is based on the amount manufactured. 6F5 accounts for 80% by weight of all products. Chemical analysis of 6F5 dust is rarely requested by clients, as it is usually used a sub base which is then capped.

Aggregate Type	Testing	
	Chemical	Particle Size Distribution (grading)
MOT type 1 Product	Annually (sulphate & chloride)	6 monthly
Soil substitute	3 monthly	N/A
6F5 aggregate Product	6 monthly (water sol sulphate)	2 Monthly
Class 1A Aggregate	6 monthly (water sol sulphate)	3 Monthly

⁶ MCERTS accredited laboratory

The above testing frequencies take into account the heterogeneity of the feedstock and resulting aggregate over many years. The WRAP document defines minimum testing frequencies in excess of the above eg weekly grading of 6F5. However, this is presented as a production week (6 days a week @ 9hrs a day is 54 hours of production), but the crushing operation at the yard is only sporadic and 54 hours of production equates approximately to 2 months.

2.6 Training

The yard supervisor will be trained in the Waste Acceptance procedures including inspection and rejection.

2.7 Records

The following records will be kept for 2 years in order to demonstrate compliance with the protocol:

- Details of all deliveries of waste
- Details of inspection procedures eg rejected loads
- Results of all testing undertaken
- Delivery destination of all aggregates sold, including tonnage.

2.8 Documentation

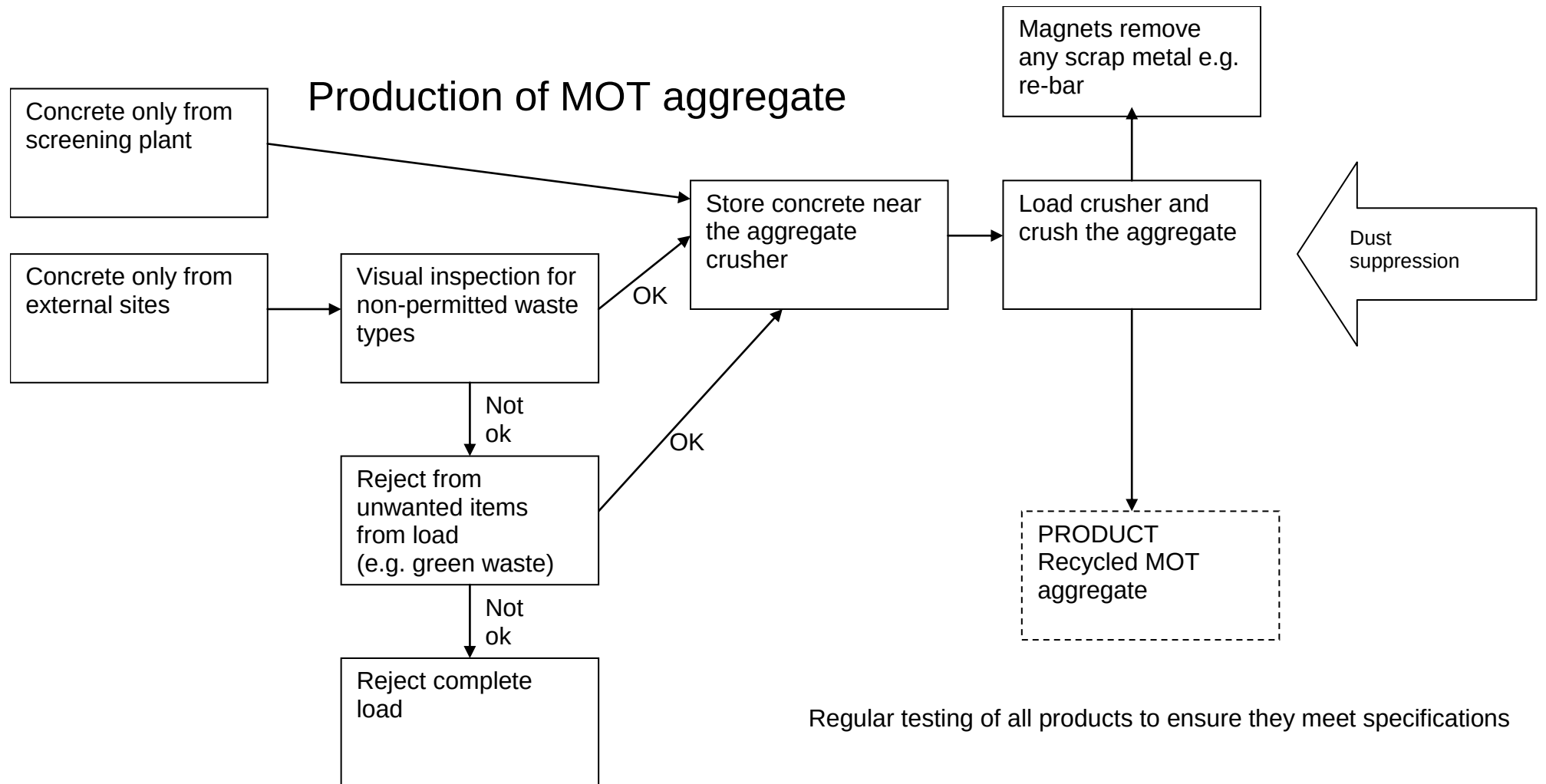
All deliveries of aggregates produced under the protocol will be accompanied by the following written information:

- Class of aggregate eg 6F5
- Location of production (Wharf St yard)
- Statement that the recycled material has been produced in compliance with the Aggregate Quality Protocol.

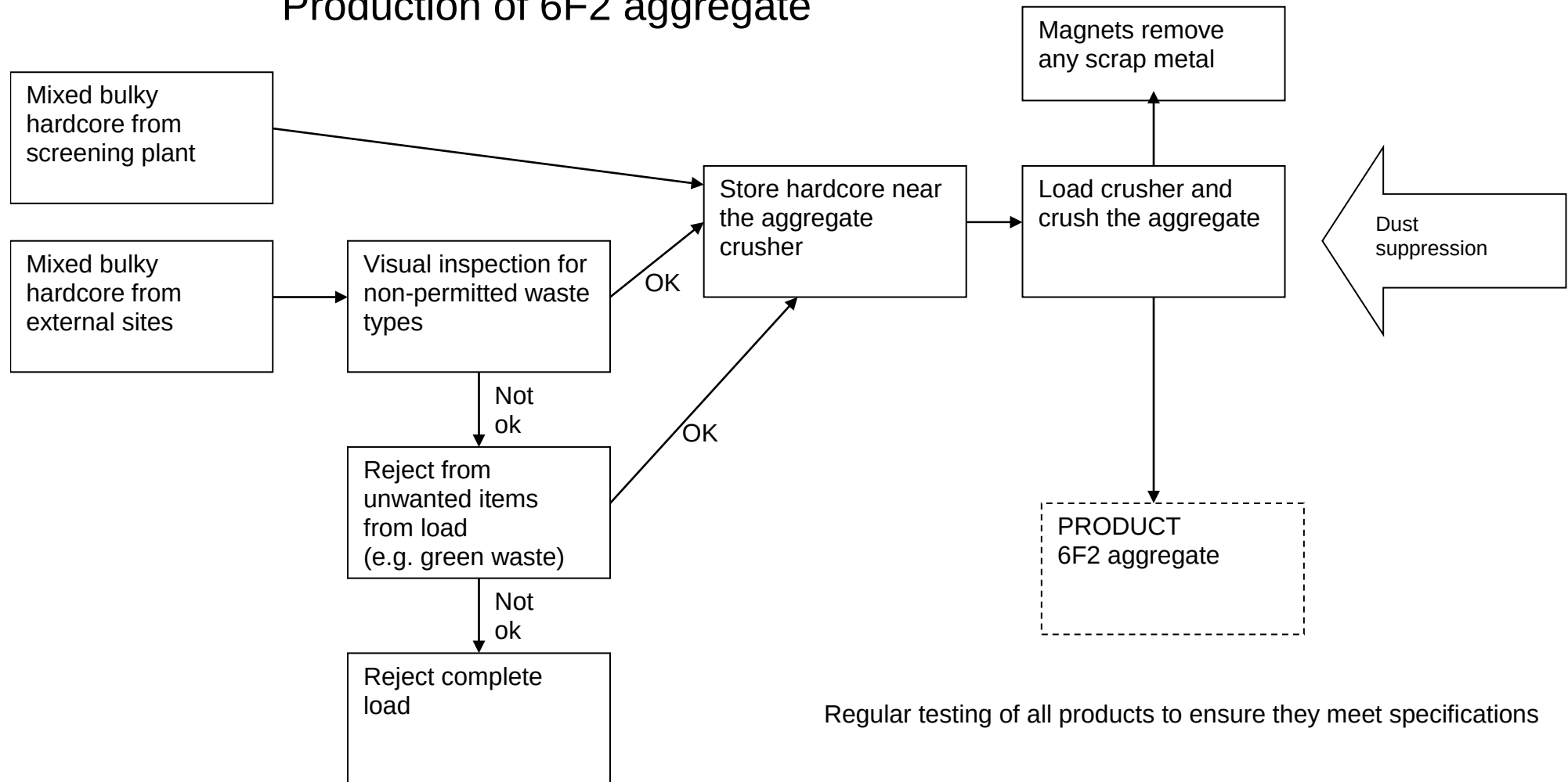
Appendix

QP1 - Process flow diagrams

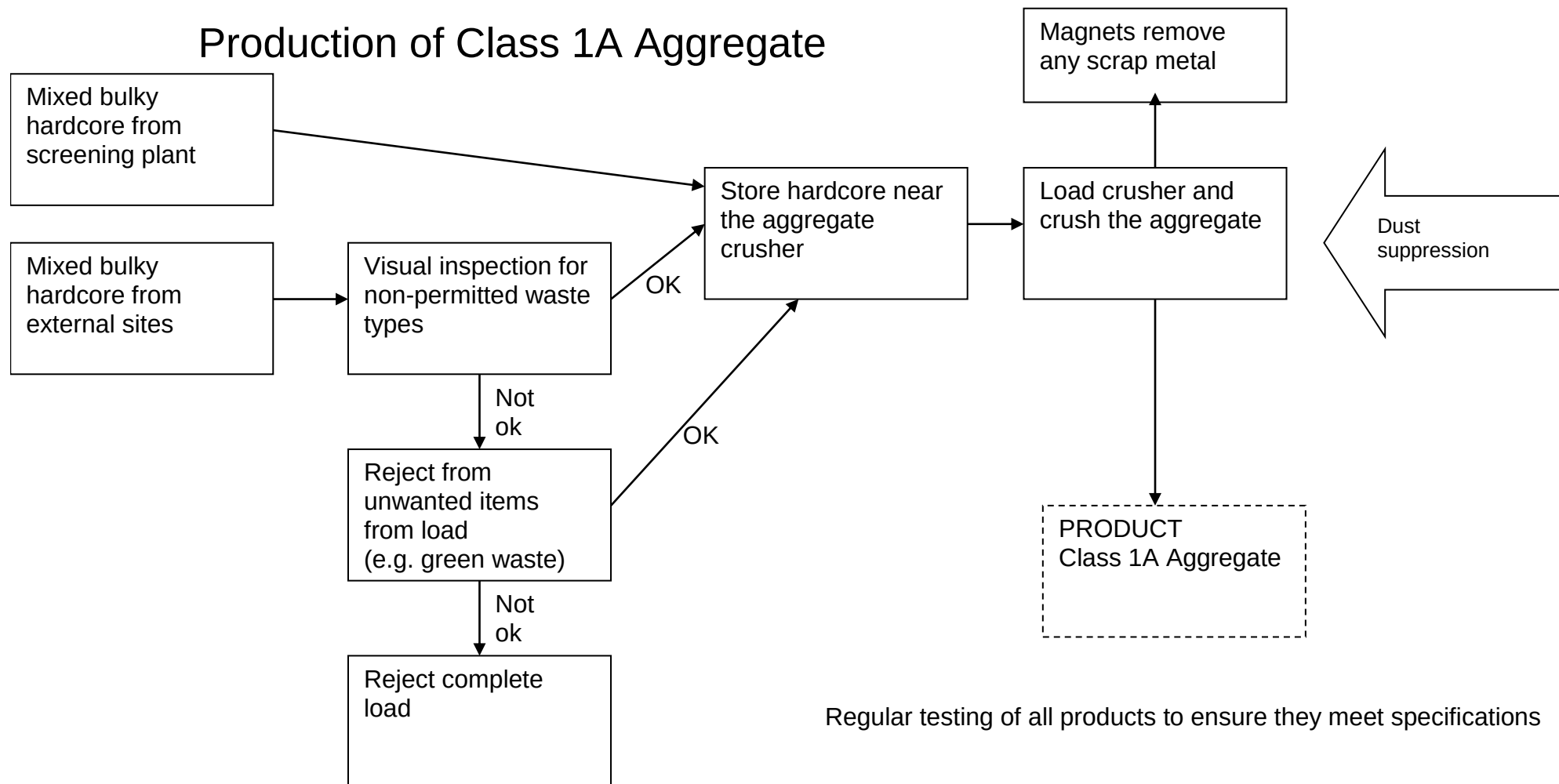
- Production of MOT Type 1 aggregate
- Production of 6F5 aggregate
- Production of Class 1A Aggregate



Production of 6F2 aggregate



Production of Class 1A Aggregate



**THE ENVIRONMENTAL PROTECTION ACT 1990
WASTE MANAGEMENT SITE LICENCE**

Chartrange (Investments) Ltd

**Wharf Street
Dukinfield
SK16 4NJ**

SJ 936 982

EAWML 50052



ENVIRONMENT
AGENCY

**ENVIRONMENTAL PROTECTION ACT 1990.
WASTE MANAGEMENT LICENCE.**

Licence Ref No: EAWML 50052 Facility Type: Transfer Station

The Environment Agency, in pursuance of Part II of the Environmental Protection Act 1990, hereby grants a waste management licence authorising the Keeping/Treating of controlled waste on the land specified in schedule 1 of this licence to

Chartrange (Investments) Ltd 03284970
Wharf Street, Dukinfield, Cheshire, SK16 4NJ

that person being in occupation of the said land, the said licence being subject to the conditions specified in schedule 2 to this licence.

In this licence the words and expressions contained in schedule 2 shall have the meaning assigned to them therein.

SCHEDULE 1. – SPECIFIED LAND.

The licence relates to the land at:

Wharf Street, Dukinfield, Cheshire, SK16 4NJ

SJ 936 982

(hereinafter called "the site") shown edged red on Drawing Reference Number LEO2645/002 dated March 2002, attached to this licence.

For Environment Agency use only.

Signed

Dave Marshall

Team Leader Environment Management

Dated: 20/12/02.

**YOUR ATTENTION IS DRAWN TO THE RIGHTS OF APPEAL DETAILED IN THE
NOTES AT THE END OF THIS LICENCE**

Schedule 2 : Conditions Relating to Licence Number EAWML 50052

1	General considerations	1
2	Site engineering for pollution prevention and control	8
3	Site infrastructure	12
4	Site operations	14
5	Pollution Control, Monitoring and Reporting	18
6	Amenity management and reporting	19
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1 General considerations

1.1 Specified waste management operations

1.1.1 No waste management operations shall be authorised by this licence unless:

- a** specified in and undertaken in accordance with the limitations in the following table; or
- b** otherwise required by the conditions of this licence as being an integral part of those operations;

and unless they are carried out on the site in accordance with section 6 of the working plan and with the documented information contained in the sections of the working plan referred to in the other conditions of this licence.

Table 1.1 Specified waste management operations

Specified Waste Management Operation	Permitted Waste Types which may be subject to the Specified Operation	Limits on Specified Waste Management Operations
Storage (D15 and R13) pending disposal or recovery.	All	Maximum daily input of 1500 tonnes Restricted to the areas identified for this purpose on working plan site drawing no.LE02645/003 Stockpile heights of materials shall not exceed 107 metres AOD in accordance with planning permission reference T/APP/G4240/C/98/650418 and section 3.5.1 of the working plan.
Physical treatment of waste	All	Treatment consisting only of physical sorting or separation of waste into different components, together with crushing and screening of waste. Crushing and screening operations shall only be undertaken in accordance with sections 3.2, 3.3 and 6.5 of the working plan. Restricted to the areas identified for this purpose on working plan site drawing no. LE02645/003

Specified Waste Management Operations and Exempt Waste Management Operations

- 1.1.2 Where wastes are being brought onto the site for waste management operations which are exempt from licensing under the 1994 Regulations, then the wastes which are subject to the specified waste management operations shall be kept clearly segregated and identified from those wastes which are being kept on the site for the exempt waste management operations.

1.2 Permitted wastes

Permitted categories and types of wastes

- 1.2.1 No wastes shall be accepted at the site other than those which are:
- a** categorised below in Table 1.2; and
 - b** specified in the list of waste types for the site provided in Appendix A of the working plan.

Table 1.2. Permitted quantities of waste

Permitted Waste Categories (equivalent UK Waste Classification Scheme categories given in brackets)	Maximum Permitted Quantities for each waste category (subject to maximum permitted total quantity in condition 1.2.2)
Inert wastes – Category 21.00.00	No limit subject to maximum storage capacities specified in section 3.5 of the working plan.
General and Biodegradable– Category 22.00.00; namely: 22.01.00 – Naturally occurring rocks and soils containing organic matter 22.02.00 – Construction and Demolition waste 22.03.00 – Plaster and Plasterboard 22.04.00 – Separate Materials; namely wood.	Category 22.00.00 only permitted as an inherent component of Category 21.00.00, subject to a maximum quantity of 1.5% w/w of the waste in which it arises.
Metal and Discarded (scrap) Composite Equipment – Category 23.00.00; namely: 23.01.00 – Ferrous metal 23.02.00 – Non-ferrous metal	Category 23.00.00 only permitted as an inherent component of Category 21.00.00, subject to a maximum quantity of 0.5% w/w of the waste in which it arises.

Permitted quantities of wastes

- 1.2.2 Whilst complying with the maximum quantities in Table 1.2, the total quantity of waste accepted at the site per year shall not exceed 74,999 tonnes.

Exclusions of wastes with specified hazardous characteristics

- 1.2.3 Notwithstanding the specification of permitted waste types under conditions 1.2.1 above, wastes shall not be accepted at the site which consist solely or mainly of finely divided metal or of dusts, powders or loose fibres.

1.3 Amendments to working plan and supporting information

Changes to the working plan requiring prior consent by the Agency

- 1.3.1 The Licence Holder shall give the Agency prior notice in writing of any proposed change to the sections of the working plan listed in Table 1.3, and to any appendices, drawings and figures which are referenced in those sections.

Table 1.3 Conditions for which changes to the working plan requiring the prior consent of the Agency

Condition	Subject	Working Plan Section
1.1	Specified waste management operations	6
1.2	Permitted wastes	3.4
2.1	Engineered site containment and drainage systems.	4
4.1	Control of mud and debris	6.1
4.4	Waste acceptance and control systems and procedures	6.4
4.5	Waste quantity measurement systems	6.6
6.1	Control, monitoring and reporting of aerial emissions of dusts, fibres, powders and particulates	7
7.1	Security and availability of records	8

- 1.3.2 The notice shall be accompanied by a copy of the proposed changes, and by a written assessment of the effect that implementing the proposed change would have on the risk posed by the site to human health and the environment.
- 1.3.3 The Licence Holder shall provide up to 6 additional copies of the proposed change and supporting risk assessment to the Agency, when required by the Agency in writing.
- 1.3.4 The proposed change shall not be implemented unless the Agency has given its written consent to it. Following consent, the Licence Holder shall give the Agency prior written notification of the implementation date of the change, and from that date the changed section shall be deemed to replace the previous version of that documentation.

Changes to the working plan requiring prior notification to the Agency

- 1.3.5 Except where it is specified under condition 1.3.1 above that the amendment of specified sections of the working plan requires the prior consent of the Agency, the Licence Holder shall give the Agency not less than 7 days prior written notice of any change to the working plan and to any appendices, drawings and figures which are referenced from those sections.
- 1.3.6 The notice shall be accompanied by a copy of the specified changes.
- 1.3.7 The Licence Holder shall provide up to 6 additional copies of the proposed change to the Agency, when required by the Agency in writing.
- 1.3.8 Such changes to the working plan shall be deemed to be incorporated in the working plan and implemented on the date specified to the Agency in the amendment notification.

1.4 **Staffing and understanding of requirements of licence conditions**

Minimum staffing and supervision

- 1.4.1 Whenever the site is open to receive or despatch waste, or is carrying out any of the specified waste management treatment or disposal operations, it shall be supervised by at least one member of staff who is suitably trained and fully conversant with the requirements of the licence and the working plan regarding:

- a** waste acceptance and control procedures;
- b** operational controls and environmental monitoring;
- c** maintenance;
- d** record-keeping;
- e** emergency action plans;
- f** notifications to the Agency.

Availability of licence and working plan

- 1.4.2 A copy of this licence and the working plan shall be kept available on site for reference when required by all site staff carrying out work under the requirements of the licence.

Understanding of licence and working plan

- 1.4.3 All site staff shall be, or shall work under the direct supervision of a member of staff who is, fully conversant with those aspects of the licence conditions and working plan which are relevant to their specific duties.

1.5 **Changes in technically competent persons**

- 1.5.1 Any changes in the technically competent management of the site and the name of any incoming person, and, where the technically competent management of the site is subject to the WAMITAB scheme of technical competence, evidence that such person has the required technical competence, shall be submitted to the Agency in writing within 5 working days of the change in management. Technically competent management and technical competence shall be as defined under section 74 of the Environmental Protection Act 1990 and Regulations 4 and 5 of the 1994 Regulations, or any subsequent amendments to the Act or Regulations.

1.6 Relevant convictions

Notification of relevant convictions

- 1.6.1 In the event of the Licence Holder and/or any relevant person being convicted of any relevant offence and which is in addition to any already notified to the Agency, then full details shall be provided to the Agency within 14 days following sentencing, whether or not the conviction or sentence is subsequently appealed. Such details shall include, in respect of each relevant person (as defined in section 74(7) of the Environmental Protection Act 1990 or any subsequent amendments to that section), the nature of the offence, the place and date of conviction, and any fine or other penalty imposed.

Notifications of appeals against convictions

- 1.6.2 In the event that the Licence Holder and/or any relevant person lodges an appeal against any such conviction or sentence, the Licence Holder shall notify the Agency of this within 14 days of the lodging. The Licence Holder shall notify the Agency of the results of that appeal, within 14 days of the appeal being decided.

1.7 Maintenance of financial provision

- 1.7.1 The financial provision for meeting the obligations under this Licence set out in the agreement made between the Licence Holder and the agency dated 20th December 2002 shall be maintained by the Licence Holder throughout the subsistence of this Licence and the Licence Holder shall produce evidence of such provision whenever required by the Agency.

1.8 Notification of change of operator's or holder's details

- 1.8.1 The following information shall be notified in writing within 5 working days to the Agency:

where the Licence Holder is a registered company:

- i any change in the Licence Holder's trading name, registered name or registered office address;
- ii any steps taken with a view to the Licence Holder going into administration, entering into a company voluntary arrangement or being wound up;
- iii the operator at the time of issue of the licence and of any change in the operator or in the operator's trading name, address, registered name or registered office address (if different from the Licence Holder);

1.9 Notification of preparatory works

- 1.9.1 No preparatory works shall be undertaken until at least 7 days prior notice in writing has been given to the Agency of the intention to do so. The notification shall include details of what work is being done and when.

**1.10 Notification of commencement, cessation and
recommencement of waste handling operations**

Cessation and recommencement of receiving wastes

- 1.10.1 In the event that the site ceases receiving wastes for longer than 21 days then within 7 days following the elapse of that time, the Licence Holder shall inform the Agency in writing of the date of cessation and of the planned date of recommencement. In the event that Licence Holder intends that the site shall recommence receiving wastes sooner than the notified date then they shall give the Agency not less than 7 days prior notice in writing.

1.11 Notifications and submissions to Agency

- 1.11.1 Except where otherwise specified, all notifications and submissions to the Agency under the requirements of these licence conditions:
- a** shall be made in writing to the address specified by the Agency in writing at the time of issue of this licence, or as subsequently specified by written notification to the Licence Holder;
 - b** shall quote the licence reference number and the name of the Licence Holder.

2 Site engineering for pollution prevention and control

2.1 **Engineered site containment and drainage systems**

Provision and maintenance of site containment and drainage systems

- 2.1.1 Waste shall only be deposited, stored, treated or otherwise handled in any area of the site, where the engineered site containment and drainage system for that area is provided in accordance with condition 2.1.2 and Table 2.1 of condition 2.1, and with section 4 of the working plan.
- 2.1.2 The engineered site containment and drainage systems shall be designed, constructed, inspected, validated and maintained, and shall be fully documented and recorded, to be fit for purpose, and, where provided, to meet the standards specified in Table 2.1 below.

Table 2.1 Site containment and drainage standards

Type of Site Surface and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
a) Hardstanding	Areas of hardstanding shall be constructed of granular material (e.g. crushed stone, aggregate, road planings or other similar material) and maintained such that the working surface: i) shall remain even ii) shall not be subject to settlement or differential settlement iii) shall not be subject to rutting by vehicles even when wet iv) shall have sufficient durability to allow cleaning for example by scraping v) shall remain free of standing water.
b) Impermeable pavement, bunding and sills	Areas of impermeable pavement, bunding and sills shall be constructed and maintained so as to prevent fluids running off the pavement and the transmission of fluids through the pavement or joints.
c) Sealed drainage systems	i) Drainage to areas of impermeable pavement shall be provided by either: • a sealed sump, which shall be inspected no less frequently than daily and after rain, emptied when the collected liquids reach 80% of its capacity as measured using a dipstick or equivalent gauge, and constructed and maintained so as to collect and contain all liquids which run off the pavement; or • a three chamber oil interceptor, which shall have a minimum of six minutes retention time per chamber at its maximum flow rate, shall discharge to either a foul sewer or surface water or a soakaway, shall be inspected no less frequently than daily and after rain, and shall be maintained so as to intercept all liquids which run off the pavement. ii) Inspections and emptying of sealed sumps shall be recorded in the site diary. iii) Uncontaminated drainage from clean yard areas shall be kept separate and discharged to either surface water or sewer or watercourse or soakaway.
d) Inspection and maintenance of engineered containment	All areas of hardstanding, impermeable pavement, sealed drainage systems, and storage areas for skips. i) shall be inspected no less frequently than monthly, to ensure the continuing integrity and fitness for purpose of their construction, and the inspection and any necessary maintenance shall be recorded in the site diary; and ii) in the event of any damage occurring which breaches the integrity of the engineered containment so that it is longer meets the specified standards, the Licence Holder shall cease importing waste into or treating waste in the affected area, shall notify the Agency immediately, and shall not recommence importing waste into or treating waste in the affected area until it has been repaired to a standard at least as good as the original specification.

Type of Site Surface and Drainage	Minimum Specified Standards of Design, Construction and Maintenance
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Construction quality assurance of new site containment and drainage systems

2.1.3 No wastes shall be deposited, stored, treated or otherwise handled in any area for which an engineered site containment and drainage system is to be newly constructed to meet the requirements of this condition unless:

- a** details of the identities, relevant experience and relevant qualifications of the personnel who will be providing Quality Assurance of the engineered site containment and drainage systems have been submitted in writing to the Agency and acknowledged in writing by the Agency;
- b** the engineered site containment and drainage system has been constructed in accordance with the other requirements of condition 2.1;
- c** the Validation Report on the construction of the engineered site containment and drainage system has been submitted in writing to the Agency, and the Agency has confirmed in writing that it has no objection to the placement of wastes on that containment area.

Construction quality assurance of existing site containment and drainage systems

2.1.4 No wastes shall be deposited, stored, treated or otherwise handled in any area for which a previously constructed and existing engineered site containment and drainage system is being used to meet the requirements of this condition unless:

- a** details of the construction and maintenance of the engineered site containment and drainage system have been submitted in writing to the Agency and acknowledged in writing by the Agency;
- b** the existing engineered site containment and drainage system shall be demonstrated to be fit for purpose in that:
 - i** areas of impermeable pavement are laid to take weight of relevant vehicles, plant and equipment without cracking or breaking; and
 - ii** areas of impermeable pavement are free from cracks which could reduce impermeability; and
 - iii** areas of impermeable pavement are resistant to mechanical, physical and chemical stresses to which they may be subjected; and
 - iv** areas of impermeable pavement fall towards the drainage system to prevent ponding; and
 - v** no liquid will run off areas of impermeable pavement other than via the drainage system; and

- vi** the drainage system is sealed so that it does not leak and is capable of collecting and containing liquids draining from the impermeable pavement ; and
 - vii** liquid from the drainage system is disposed of to an approved discharge.
- c** the existing engineered site containment and drainage system shall be maintained in accordance with the requirements of Table 2.1.

3 Site infrastructure

3.1 Provision of site identification board

- 3.1.1 No wastes shall be received at the site until an identification board has been provided at or near the site entrance.
- 3.1.2 The identification board shall be inspected at least once per week. In the event of damage or defect, the board shall be repaired or replaced within 3 working day.
- 3.1.3 The board shall be easily readable from outside the site entrance in daylight hours, and shall display the following information:
 - a** Site name and address;
 - b** Licence Holder name (company name, not individual name unless justified as necessary);
 - c** Operator name (company name, not individual name unless justified as necessary);
 - d** Licence number;
 - e** Emergency contact name and telephone number;
 - f** Statement that the site is licensed by the Environment Agency;
 - g** Agency national numbers, for General Enquiries (0845 933 3111) and Emergencies (0800 807060), or as subsequently notified in writing by the Agency;
 - h** Days and hours site is open to receive waste, which information shall be in accordance with the relevant planning permission.

3.2 Site security

- 3.2.1 Site security systems shall be provided at all times during the subsistence of this licence, the objective of which shall be to prevent access by humans, and livestock, which is not authorised either by the Licence Holder or under legal powers of entry. These shall be installed, operated and maintained, and shall be fully documented and recorded, in accordance with the requirements specified in Table 3.2:

Table 3.2 Site security system standards

Site security system	Specified standards
Timetable of provision	Site security shall be provided prior to commencement of the specified operations.
Design standards	Unless otherwise agreed in writing by the Agency, this shall consist of a chainlink security fence at least 1.8 metres high around the perimeter of the site, which shall meet the standards specified in British Standard BS1722 or an agreed alternative, and shall have a lockable gate to at least the same height and standard at the site access.
Operational standards	The site shall be kept closed and secure at all times when unattended.
Maintenance standards	The site security shall be fully inspected at the commencement of each working day. Any defects or damage shall be made secure by temporary repair by the end of the working day, and shall be repaired within 7 working days of the damage being detected. All inspections, defects, damage and repairs shall be recorded in the site diary.

4 Site operations

4.1 Control of mud and debris

Prevention of mud and debris on road

4.1.1 Whenever the site is receiving or despatching wastes, measures shall be provided, operated and maintained in accordance with section 6.1 of the working plan, with the objective of preventing the deposit or tracking of mud or debris arising from the site onto public areas outside the site, which shall include public highways and areas of public access.

4.1.2 All vehicles leaving areas of the site which are operational or upon which engineering works are being carried out shall, before leaving the site, be cleaned as necessary using the equipment specified in section 6.1 of the working plan, and shall be checked to ensure that they are clear of loose waste and that their loads are secure.

Remediation of mud and debris on road

4.1.3 In the event that mud or debris arising from the site is deposited onto public areas outside the site, the following remedial measures shall be implemented immediately, in accordance with section 6.1 of the working plan :

- a) the affected public areas outside the site shall be cleaned
- b) traffic shall be isolated from sources of mud and debris within the site to prevent further tracking of mud and debris, and measures shall be taken to clear any such sources as soon as practicable.

4.2 Potentially polluting leaks and spillages of waste

Potentially polluting leaks and spillages from vehicles, plant and equipment

4.2.1 All vehicles used on the site by the operator, and all plant and all equipment used on the site in connection with specified waste management operations, shall be operated and maintained with the objective of preventing potentially polluting leaks and spillages of wastes.

Control and remediation of leaks and spillages

4.2.2 In the event of any potentially polluting leak or spillage occurring on site, documented control and remediation procedures shall be implemented immediately and recorded, and shall meet the standards specified in Table 4.2 below.

Table 4.2 Standards for prevention and control of leaks and spillages

Action	Specified standards
a) Loading and unloading skips.	i) Loading and unloading of skips/containers shall be supervised at all times by a member of staff. ii) Loading/ unloading shall be carried out in an area provided with engineered containment of the type required for that waste under condition 4.6, and of the standard of containment specified under condition 2.1.
b) Filling and emptying skips and other mobile containers	i) Filling and emptying of skips/containers shall be supervised at all times by a member of staff. ii) Skips/Containers shall not be filled beyond their operational capacity.

4.3 **Fires on the site**

Prohibition of fires on site

4.3.1 No wastes shall be burned on the site.

Actions to be taken in the event of a fire

4.3.2 In the event of a fire on the site, notwithstanding the implementation of actions to suppress and extinguish the fire, the following actions shall be implemented immediately and recorded in the site diary:

- a** the Agency shall be informed immediately of the fire; and
- b** so far as practicable, contaminated site drainage shall be prevented from entering any surface water drain or water course or unsurfaced ground.

4.4 **Waste acceptance and control procedures**

Waste acceptance procedures

4.4.1 All wastes shall be received, inspected, accepted or rejected, and recorded in accordance with section 6.4 of the working plan and with the standards specified in Table 4.4 below.

Waste control procedures

4.4.2 All wastes accepted at the site shall be handled, kept and recorded in accordance with sections 6.4 of the working plan and with the standards specified in Table 4.4 below.

Waste despatch procedures

4.4.3 All outgoing wastes shall be inspected, despatched and recorded in accordance with section 6.7 of the working plan and with the standards specified in Table 4.4 below.