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Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Neal Soil Suppliers Limited

Soil and Aggregates Treatment Plant
Atlantic Ecopark
Newton Road
Rumney
Cardiff
CF3 2EJ

Permit number
EPR/VP3095FS

Soil and Aggregates Treatment Plant

Permit number EPR/VP3095FS

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows:

Washing plant:

Hazardous and non-hazardous wastes will be accepted for processing. The throughput of the wash plant is 350,000 tonnes per year. The wash plant is a fixed unit sited on an impermeable surface with a sealed drainage system (to sealed sump). The wash plant is an enclosed system with all water used within the system recycled as part of the wash activity and recirculated within the process. This is primarily achieved through a wastewater treatment process which captures waste waters from the wash plant and provides treatment using flocculation agents, and aeration to aid the process. The only off-site transfers are the oil-based wastes from the DAF unit and residues skimmed from the top of the flocculation tank which are disposed of at a suitable location.

Soil and Aggregate processing facility:

The throughput of the soil and aggregate processing facility is 649,000 tonnes per year. No hazardous waste will be accepted. Waste material accepted onto site is screened and sorted to remove any contaminants and inert materials, prior to spreading to land. The soil is then spread to land to a depth of 300mm and seeded with grass. The soil is then “bio treated” by adding compost and manure. The inert materials are crushed and screened for recovery purposes. Only non-hazardous wastes can be treated for recovery.

Waste transfer station:

Hazardous and non-hazardous waste will be accepted for waste transfer only. There shall be no treatment of waste. The annual throughput will not exceed 4,999 tonnes.

The combined annual throughput capacity for the site is 1,003,999 tonnes.

The burning of waste is not permitted under this permit.

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

Status log of the permit

Description	Date	Comments
EAWML 30348 issued	03/05/06	Waste management licence issued to Neal Soil Suppliers Limited for a soil recycling facility
Variation issued EPR/VP3095FS/V002	16/09/09	Variation to include additional waste streams
Variation issued EPR/VP3095FS/V003	10/03/11	Variation to include additional waste streams
Variation issued EPR/VP3095FS/V004	05/05/11	Variation to include additional waste streams
Application EPR/VP3095FS/V005 (variation and consolidation)	Duly made 23/09/11	Variation to update to modern conditions, increase the annual throughput and add a wash plant installation facility and waste transfer activity
Additional information received	02/12/11	Information received in response to of the schedule 5 notice issued on 04/11/11
Additional information received	06/01/12	Information received in response to of the schedule 5 notice issued on 20/12/11 that was issued as a result of the information received in repose to the schedule 5 notice issued on 04/11/11
Variation determined EPR/VP3095FS	05/03/12	Varied and consolidated permit issued in modern condition format
Application received EPR/VP3095FS/V006	23/03/12	Application to vary permit
Variation withdrawn EPR/VP3095FS/V006	17/05/12	
Variation determined EPR/VP3095FS/V007	26/03/13	Regulator initiated variation to implement the changes introduced by Industrial Emissions Directive changes issued
Variation determined EPR/VP3095FS/V008	06/11/13	Variation to add waste codes to the wash plant facility
Application received EPR/VP3095FS/V009	21/11/13	Application to vary permit
Application withdrawn EPR/VP3095FS/V009	27/01/14	
Variation application EPR/VP3095FS/V010	Duly made 06/05/14	Administrative variation to remove D9 disposal code from the soil and aggregate processing activity only

Regulator led variation EPR/VP3095FS/V010	20/05/15	Administrative correction to the Regulator initiated change under EPR/VP3095FS/V007. This change is being carried out concurrently with operator led variation EPR/VP3095FS/V010 and therefore carries the same application reference
Variation determined EPR/VP3095FS/V010	20/05/15	Varied permit issued
Application received EPR/VP3095FS/V011	11/09/15	Application to vary permit
Application withdrawn EPR/VP3095FS/V011	02/10/15	
Regulation 61 Notice sent to the Operator	05/04/19	Issue of a Notice under Regulation 61(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for Waste Treatment
Regulation 61 Notice response	26/09/19	Response received from the operator
Application received EPR/VP3095FS/V012	Duly Made 04/02/20	Minor technical variation to add two waste codes to permit
Additional information received EPR/VP3095FS/V013	27/02/20	Additional response received to (BRef) for Waste Treatment BAT Conclusions 1, 9, 20, 46 and 47
Variation determined EPR/VP3095FS/V012	29/04/20	Varied permit issued
NRW initiated variation determined EPR/VP3095FS/V013	21/12/20	Varied and consolidated permit issued in modern condition format
NRW initiated variation EPR/VP3095FS/V014	24/06/21	Variation to remove groundwater and surface water monitoring tables within Schedule 3
NRW initiated variation determined EPR/VP3095FS/V014	29/07/21	Varied and consolidated permit issued

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/VP3095FS

The Natural Resources Body for Wales (“Natural Resources Wales”) authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Neal Soil Suppliers Limited (“the operator”),

Whose registered office is:

Atlantic Ecopark

Newton Road

Rumney

Cardiff

CF3 2EJ

Company registration number: **03368495**

To operate an installation and waste operations at:

Soil and Aggregates Treatment Plant

Atlantic Ecopark

Newton Road

Rumney

Cardiff

CF3 2EJ

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

Signed

Date

Holly Noble	29/07/2021
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Authorised on behalf of Natural Resources Wales

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 Energy efficiency

- 1.2.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A3), the operator shall:
- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A3), the operator shall:
- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 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.
- 1.4.2 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.

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”).
- 2.1.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A3), waste authorised by this permit shall be clearly distinguished from any other waste on the site.

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
 - (a) 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 Natural Resources Wales.
 - (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales.
- 2.3.2 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.3 Waste shall only be accepted if:
 - (a) it is of a type and quantity listed in schedule 2 tables S2.2A, S2.2B, S2.3 and S2.4; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
 - (a) the nature of the process producing the waste;

- (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Technical requirements

Hazardous waste storage and treatment

- 2.4.1 Hazardous waste shall not be mixed, either with a different category or hazardous waste or with other waste, substances or materials, unless it is authorised by Schedule 1 Table S1.1 and appropriate measures are taken.

2.5 Improvement programme

- 2.5.1 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 Natural Resources Wales.
- 2.5.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales within 14 days of completion of each improvement.

2.6 Pre-operational conditions

- 2.6.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4A have been completed.
- 2.6.2 The operations specified in schedule 1 table S1.4B shall not commence until the measures specified in that table 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.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 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.
- 3.1.4 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

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 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.
- 3.2.3 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 Natural Resources Wales, 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.

3.4 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 Natural Resources Wales, 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.
- 3.4.2 The operator shall:
- (a) if notified by Natural Resources Wales that the activities are giving rise to pollution outside the site due to noise and vibration, submit to Natural Resources Wales for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by Natural Resources Wales.

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 Natural Resources Wales, 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 Natural Resources Wales.

4.2 Reporting

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.
- 4.2.2 For the following activities referenced in schedule 1, table S1.1 (A1 to A3), a report or reports on the performance of the activities over the previous year shall be submitted to Natural Resources Wales by 31 January (or other date agreed in writing by Natural Resources Wales) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production / treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by Natural Resources Wales, 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 S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to Natural Resources Wales, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to Natural Resources Wales 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.

4.3 Notifications

4.3.1 For the following activities referenced in schedule 1, table S1.1 (A1 to A3):

- (a) In the event that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform Natural Resources Wales,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) in the event of a breach of any permit condition the operator must immediately—
 - (i) inform Natural Resources Wales, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) in the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, 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 For the following activities referenced in schedule 1, table S1.1 (A4 and A5) Natural Resources Wales 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.

4.3.4 Any information provided under condition 4.3.3 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.5 Natural Resources Wales 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.

4.3.6 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) Natural Resources Wales 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.

4.3.7 Natural Resources Wales shall be given at least 14 days' notice before implementation of any part of the site closure plan.

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 "immediately" in which case it may be provided by telephone.

Schedule 1 - Operations

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
A1 Wash Plant	S5.3 A(1)(a)(vi)	Recovery of hazardous wastes, waste soils and aggregates through use of a wash plant. R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) R5: Recycling/ reclamation of other inorganic materials	Storage of all hazardous wastes shall be on an impermeable surface with sealed drainage, unless otherwise agreed in writing with Natural Resources Wales as set out in pre-operational condition 1 of table S1.4B. Treatment of all hazardous wastes shall be on an impermeable surface with sealed drainage. Treatment operations shall be limited to: – manual and mechanical sorting/ separation – screening – crushing – washing of hazardous and waste for the purpose of recovery using the wash plant. Blending of hazardous waste prior to being submitted to the wash plant process is only permitted provided it is in line with approved blending and batching methodology as set out in pre-operational condition 1 of table S1.4A. Sampling of outputs from the wash plant shall be undertaken in line with the approved sampling and monitoring methodology as set out in pre-operational condition 2 of table S1.4A, to demonstrate the efficacy of the plant and to show the materials are fit for their intended use. Waste types as specified in Table S2.2A and S2.2B. Waste types as specified in Table S2.2B will not be permitted for acceptance or treatment until pre - operational conditions 2 and 3 set out in table S1.4B have been discharged. Notwithstanding the waste types permitted in tables S2.2A and S2.2B wastes which have any of the following characteristics shall not be accepted; – liquid wastes – wastes comprised of or contaminated with Japanese Knotweed – wastes comprised of or contaminated with asbestos
A2 Wash Plant	S5.3 A(1)(a)(ii)	Treatment of hazardous waste for disposal through use of a wash plant. D9: Physio-chemical treatment resulting in final compounds or	Storage of all hazardous wastes shall be on an impermeable surface with sealed drainage, unless otherwise agreed in writing with Natural Resources Wales as set out in pre-operational condition 1 of table S1.4B. Treatment of all hazardous wastes shall be on an impermeable surface with sealed drainage.

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
		mixtures which are discarded by any of the operations numbered D1 to D12 e.g. evaporation, drying, calcination D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Treatment operations shall be limited to: – manual and mechanical sorting/separation – screening – crushing – washing of hazardous waste for the purpose of disposal using the wash plant. Blending of hazardous waste prior to being submitted to the wash plant process is only permitted provided it is in line with approved blending and batching methodology as set out in pre-operational condition 1 of table S1.4A. Sampling of outputs from the wash plant shall be undertaken in line with the approved sampling and monitoring methodology as set out in pre-operational condition 2 of table S1.4A, to demonstrate the efficacy of the plant and to show the materials are fit for their intended use. Waste types as specified in Table S2.2A and S2.2B. Waste types as specified in Table S2.2B will not be permitted for acceptance or treatment until pre - operational conditions 2 and 3 set out in table S1.4B have been discharged. Notwithstanding the waste types permitted in tables S2.2A and S2.2B wastes which have any of the following characteristics shall not be accepted; – liquid wastes – wastes comprised of or contaminated with Japanese Knotweed – wastes comprised of or contaminated with asbestos
Directly Associated Activity			
A3 Wash Plant	Recovery and disposal of hazardous and non-hazardous wastes, waste soils and aggregates through use of a wash plant.	D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12 e.g. evaporation, drying, calcination D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)	Storage of all hazardous and non-hazardous wastes shall be on an impermeable surface with sealed drainage, unless otherwise agreed in writing with Natural Resources Wales as set out in pre-operational condition 1 of table S1.4B. Treatment of all hazardous and non-hazardous wastes shall be on an impermeable surface with sealed drainage. Treatment operations shall be limited to: – manual and mechanical sorting/separation – screening – crushing – washing

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
		R3: Recycling/ reclamation of organic substances which are not used as solvents R4: Recycling/ reclamation of metals and metal compounds R5: Recycling/ reclamation of other inorganic materials R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	of hazardous and non-hazardous waste for the purpose of recovery or disposal using the wash plant. No more than 50 tonnes a day of non-hazardous waste can be treated for disposal at the site. Blending of hazardous waste prior to being submitted to the wash plant process is only permitted provided it is in line with approved blending and batching methodology as set out in pre – operational condition 1 of table S1.4A. Sampling of outputs from the wash plant shall be undertaken in line with the approved sampling and monitoring methodology as set out in pre-operational condition 2 of table S1.4A, to demonstrate the efficacy of the plant and to show the materials are fit for their intended use. Waste types as specified in Table S2.2A and S2.2B. Waste types as specified in Table S2.2B will not be permitted for acceptance or treatment until pre-operational conditions 2 and 3 set out in table S1.4B have been discharged. Notwithstanding the waste types permitted in tables S2.2A and S2.2B wastes which have any of the following characteristics shall not be accepted; – liquid wastes – wastes comprised of or contaminated with Japanese Knotweed wastes comprised of or contaminated with asbestos
Activity reference	Description of activities for waste operations		Limits of activities
A4 Soil and aggregate processing activity	R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) R3: Recycling/ reclamation of organic substances which are not used as solvents R5: Recycling/ reclamation of other inorganic materials		Maximum storage shall not exceed 250,000 tonnes at any one time, unless otherwise agreed in writing with Natural Resources Wales as set out in pre-operational condition 4 of table S1.4B. No waste shall be stored or spread within 10 metres of a main reën or within 7 metres of a field ditch. No waste shall be stored or spread within 10 metres of the Pill Melyn reën. Buffer zones should be clearly defined with a fence or bund. Waste shall not be stored to a height greater than 4 metres and spread to a depth not exceeding 300mm.

Table S1.1 activities

Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of specified activity and WFD Annex I and II operations	Limits of specified activity and waste types
			Maximum storage time of one year prior to disposal or three years prior to recovery. Treatment consisting only of: - physical sorting or separation of waste into different components - screening - blending - crushing of waste for recovery. The composition of soils and sub-soils deposited at the site shall not exceed the threshold limits for hazardous waste. Waste types as specified in Table S2.3. Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted; - hazardous wastes - wastes comprised of solely or mainly of dusts or powders - wastes which are odour producing or likely to be odorous - wastes comprised of or contaminated with Japanese Knotweed
A5 Waste transfer station – storage for onward processing only	R13: Storage of wastes 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 number D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) 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		Storage of all hazardous and non-hazardous wastes shall be on an impermeable surface with sealed drainage. The maximum quantity of asbestos waste received at the site shall not exceed 10 tonnes per day. The maximum quantity of hazardous waste stored on site for the purpose of disposal shall not exceed 10 tonnes in total per day. There shall be no treatment of the waste specified in Table S2.4 other than: - manual sorting or manual separation - bulking of waste into different components for disposal (no more than 50 tonnes per day), or recovery. Asbestos waste shall be double bagged and stored within clearly identified segregated, secure lockable containers on an impermeable surface with sealed drainage. Notwithstanding the waste types permitted in table S2.4 wastes which have any of the following characteristics shall not be accepted; - wastes comprised of solely or mainly of dusts or powders wastes which are odour producing or likely to be odorous

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Operational Techniques and Monitoring plan. Summary of Environmental management system. Reference JER5040 date February 2012 Following sections:	17/02/12
	Section 2 In process controls - 2.1Pre-acceptance procedures to assess wastes - 2.2 Waste acceptance procedures excluding points 2.4.10, 2.4.11 and 2.4.12 - 2.5 Washing plant excluding point 2.5.7 - 2.6 Energy Usage - 2.7 Raw Materials excluding point 2.7.7	
	Section 3 Emissions control and Abatement excluding point 3.2.8	
	Section 5 Waste handling, recovery and disposal excluding points 5.1.3, 5.1.5, 5.1.6, 5.1.7, 5.1.8 and 5.1.9	
Further Information	Methodology for batching and blending of wastes prior to submission to the wash plant.	In line with Pre operation condition 1 of Table S1.4A
	Methodology for the monitoring and sampling of outputs from the washing plant	In line with Pre operation condition 2 of Table S1.4A
	Methodology for characterising the biological and chemical properties of the wastes prior to submission to the washing process	In line with Pre operation condition 3 of Table S1.4A
	Report outlining the sampling and analysis of the sampling of the filters cake	In line with Pre operation condition 6 of Table S1.4A
	Methodology for the storage of non hazardous waste other than on impermeable surface with sealed drainage	In line with Pre operation condition 1 of Table S1.4B
	Report outlining the results of the approved trials	In line with Pre operation condition 2 of Table S1.4B
	Methodology for storing over 250,000 tonnes of waste at any one time	In line with Pre operation condition 4 of Table S1.4B
	Report on testing of the filter cake material	In line with Pre operation condition 6 of Table S1.4B

Table S1.2 Operating techniques		
Description	Parts	Date Received
Response to regulation 61(1) Notice – request for information dated 05/04/2019 detailing how the Operator will comply with the BAT conclusions for Waste Treatment, under Directive 2010/75/EU of the European Parliament and of the Council	Best Available Techniques Report – Operator Response to Regulation 61 Notice for Waste Treatment EPR/VP3095FS Version 3 190925 R JCD0170 RY Neal Soils BAT_Final	26/09/19
Additional information	Additional information received to support BAT Report response to BAT Conclusions: BATC 1, I; BATC 9,46 and 47; BATC 20 and section 5 of Notice (Baseline Data) Letter dated 26.02.2020 (Ref: JER8370)	27/02/20
Above ground oil storage tanks: GPP2	All relevant sections	N/A
Safe storage and disposal of used oils: GPP8	All relevant sections	N/A
Managing fire water and major spillages: GPP18	All relevant sections	N/A
Pollution incident response planning: GPP21	All relevant sections	N/A
Dealing with spills: GPP22	All relevant sections	N/A
Installation, decommissioning and removal of underground storage tanks: GPP27	All relevant sections	N/A

Table S1.3 Improvement programme condition requirements

Reference	Requirement	Date
IPC1	Submit the relevant section(s) of the updated management system (required in condition 1.1.1) for the soil and aggregate processing activity to demonstrate how you will comply with the updated, outcome focused conditions in the consolidated permit, in particular, condition 1.2 - Avoidance, recovery and disposal of wastes produced by the activities. The updated Environmental Management System should include information on, but not limited to: - detailed process descriptions of the activity - suitability of the wastes to be treated via the prescribed method - how wastes that are deemed unsuitable to be treated via the prescribed method will be processed through the site - pollution prevention measures - how the wastes are tracked and monitored whilst on site and undergoing treatment - reporting process for confirming end of waste status for each process product recovered for re-use on or off site.	Complete
IPC2	The operator shall submit to Natural Resources Wales for approval information to evidence compliance with the following BAT requirements in accordance with requirements specified within BAT Conclusions of the Waste Treatment BREF Document (EU 2018): • BAT 1 (IX) application of sectoral benchmarking on a regular basis, • BAT 23 Energy efficiency.	17 February 2022 or otherwise agreed in writing with Natural Resources Wales
IPC3	The operator shall submit to Natural Resources Wales for approval a site specific Fugitive Emissions Management Plan. The plan must include (but not be limited to): • Operational procedures detailing how the Operator intends to protect both groundwater and surface water within the field drains and reens which traverse the site, during normal operations; and • Operational procedures for conducting routine surveillance inspections; maintenance and monitoring of all 7 & 10m field buffer zones / engineered containment zones; field drains; and reens.	29 October 2021 or otherwise agreed in writing with Natural Resources Wales
IPC4	The operator shall submit to Natural Resources Wales for approval a site specific Accident Management Plan. The Accident Management Plan must be produced in line with the standards specified within NRW's How to Comply with your Environmental Permit Guidance. The plan must include (but not be limited to): • Measures to address all accidents, incidents and non-conformance scenarios associated within surface water run-off entering reens, including proposed monitoring and remediation measures in the event an abnormal event / accident occurs; and • Site Plan illustrating all 7 & 10m field buffer zones / engineered containment zones; field drains; and reens.	29 October 2021 or otherwise agreed in writing with Natural Resources Wales

Table S1.4A Pre-operational measures	
Reference	Pre-operational measures
1	The operator shall submit a methodology for the batching and blending of wastes prior to submission to the wash plant process, to the Environment Agency for written approval. The methodology should include details of why blending of different waste types, especially hazardous waste, is necessary. The washing activities shall not commence until the Environment Agency has approved the methodology.
2	The operator shall submit a methodology for the monitoring and sampling of outputs from the washing plant, to the Environment Agency for written approval. The methodology should include details of how waste sampling shall be carried out so as to prove the treated waste meets any applicable Quality Protocol or Code of Practice. The washing activities shall not commence until the Environment Agency has approved the methodology.
3	The operator shall submit a methodology for characterising the biological and chemical properties of the wastes prior to submission to the washing process, to the Environment Agency for written approval. The methodology should include details of how the characterisation will be achieved and how waste will be kept prior to the result being obtained. The washing activities shall not commence until the Environment Agency has approved the methodology.
4	The operator shall submit a CQA report to confirm the required infrastructure is in place for the washing plant and waste transfer activity, to the Environment Agency for written approval. The washing and waste transfer activities shall not commence until the Environment Agency has approved the report.
5	The operator shall submit details of the flocculant that will be used in the washing activity to the Environment Agency for written approval. The details should include the name of the flocculant and any corresponding safety data sheet(s) as well as details of how they will be stored on site so as not to cause pollution. The washing activities shall not commence until the Environment Agency has approved the details.
6	The operator shall submit a report to the Environment Agency outlining the sampling and analysis of the sampling of the filters cake prior to any incorporation of this material to any soil produced as part of the soil processing operations on site.

Table S1.4B Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
1	Storage of non hazardous waste other than on an impermeable surface with sealed drainage in connection with the soil processing activity.	The operator shall submit a methodology for the storage of non hazardous waste other than on impermeable surface with sealed drainage to Natural Resources Wales for written approval. The methodology should include but not be limited to: - full characterisation of the waste - storage method and location - suitability of the waste to be stored in the described manner - pollution prevention measures for storing the waste - a risk assessment for the storage. The storage of the waste shall not commence until Natural Resources Wales has approved the methodology.

Table S1.4B Pre-operational measures for future development		
Reference	Operation	Pre-operational measures
2	Trials to establish whether the waste types listed in Table S2.2B can be accepted on site for treatment in the wash plant.	The operator shall submit a methodology to Natural Resources Wales for trials to establish the suitability of wastes listed in table S2.2B to be treated in the wash plant. This methodology should be completed in line with Natural Resources Wales' guidance on trials and any other guidance highlighted to the operator by Natural Resources Wales. The methodology should include but not be limited to: - details of why the wastes are suitable for treatment via the wash plant - why blending of different waste types, especially hazardous waste is necessary - how waste sampling shall be carried out so as to prove the treated waste meets any applicable Quality Protocol or Code of Practice - details on the characterising the biological and chemical properties of the wastes. The trials shall not commence until Natural Resources Wales has approved the proposal in writing.
3	Submission of report from waste trials. (To allow inclusion of the waste types listed in Table S2.2B with in the list of waste permitted for acceptance on site for submission to the wash plant for treatment).	The operator shall submit a report to the Natural Resources Wales outlining the results of the approved trials. The report should include but not be limited to: - comparison of chemical and biological analysis of wastes pre and post treatment - details of sampling from the flocculant tank to demonstrate the nature of the residual waste - findings on which waste streams can be suitably treated via the wash plant and evidence to support this. - details of any additional pollution prevention, monitoring or abatement measures which need to be put in place to deal with emissions from the treatment. The waste types set out in Table S2.2B shall not be accepted at the site for treatment until the Natural Resources Wales has approved the findings of the trials in writing.
4	Storage of over 250,000 tonnes of waste at any one time.	The operator shall submit a methodology for the storage of over 250,000 tonnes of material at any one time to the Natural Resources Wales for written approval. The methodology should include but not be limited to: - increased risks from storing a large volume of material - how the operator will ensure waste is 'turned over' within the 1 or 3 year periods to comply with the Landfill Directive requirements - if waste is stored for ultimate recovery, how the operator will ensure that it actually remains in a fit state to enable recovery for the maximum period (3 years). Storage must not exceed 250,000 tonnes at anyone time until Natural Resources Wales has approved the methodology.

Schedule 2 - Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels

Raw materials and fuel description	Specification
Flocculant	As per the agreed information received in response to pre-operational condition number 5 in Table S1.4A.

Table S2.2A Permitted waste types and quantities for washing plant

Maximum waste throughput quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2B
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 01	Wastes from mineral metalliferous 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
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 04	Wastes from sugar processing
02 04 01	Soil from cleaning and washing beet
10	WASTES FROM THERMAL PROCESSES
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)
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 06*	Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	Soil and stones containing dangerous substances
17 05 04	Soil and stones other than those mentioned in 17 05 03
17 05 05*	Dredging spoil containing dangerous substances
17 05 06	Dredging spoil other than those mentioned in 17 05 05
17 05 07*	Track ballast containing dangerous substances
17 05 08	Track ballast other than those mentioned in 17 05 07
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

Table S2.2A Permitted waste types and quantities for washing plant	
Maximum waste throughput quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2B
Waste code	Description
19	Waste from waste management facilities, offsite wastewater treatment plant and the preparation of water intended for human consumption and water for industry use
19 01	Wastes from incineration or pyrolysis of waste
19 01 19	Sands from fluidised bed
19 01 11*	Bottom ash and slag containing dangerous substances
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
19 02	Wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 04*	Premixed wastes composed of at least one hazardous waste (excluding wastes comprised of or contaminated with asbestos)
19 03	Stabilised/solidified wastes
19 03 04*	Wastes marked as hazardous, partly stabilised other than 19 03 08
19 08	Wastes from wastewater treatment plants not otherwise specified
19 08 02	Waste from desanding
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	Minerals (for example sand, stones)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	Wastes from soil and groundwater remediation
19 13 01*	Solid wastes from soil remediation containing dangerous substances
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 02	Garden and park wastes (including cemetery waste)
20 02 02	Soils and Stones
20 03	Other municipal wastes
20 03 03	Street-cleaning residues

Table S2.2B Proposed waste types and quantities for washing plant

Maximum quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2A
Waste code	Description
01	WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS
01 03	Wastes from physical and chemical processing of metalliferous minerals
01 03 05*	Other tailings containing dangerous substances
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 07*	Other wastes containing dangerous substances from physical and chemical processing of metalliferous minerals
01 03 09	Red mud from alumina production other than the wastes mentioned in 01 03 07
01 04	Wastes from physical and chemical processing of non-metalliferous minerals
01 04 07*	Wastes containing dangerous substances from physical and chemical processing of nonmetalliferous minerals
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	Drilling muds and other drilling wastes
01 05 04	Freshwater drilling muds and wastes
01 05 05*	Oil-containing drilling muds and wastes
01 05 06*	Drilling muds and other drilling wastes containing dangerous substances
01 05 08	Chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	Sludges from washing and cleaning
02 02	Wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 01	Sludges from washing and cleaning
02 02 04	Sludges from on-site effluent treatment
02 03	Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation
02 07	Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	Wastes from spirits distillation
02 07 04	Materials unsuitable for consumption or processing
02 07 05	Sludges from on-site effluent treatment
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	Wastes from wood processing and the production of panels and furniture
03 01 01	Waste bark and cork
03 03	Wastes from pulp, paper and cardboard production and processing
03 03 01	Waste bark and wood
03 03 11	Sludges from on-site effluent treatment other than those mentioned in 03 03 10

Table S2.2B Proposed waste types and quantities for washing plant

Maximum quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2A
Waste code	Description
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 08	Wastes from the MFSU of silicon and silicon derivatives
06 08 02*	Wastes containing dangerous silicones
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 02	Wastes from MFSU of other coatings (including ceramic materials)
08 02 01	Waste coating powders
08 04	Wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances
10	WASTES FROM THERMAL PROCESSES
10 01	Wastes from power stations and other combustion plants (except 19)
10 01 01	Bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)
10 01 02	Coal fly ash
10 01 03	Fly ash from peat and untreated wood
10 01 05	Calcium-based reaction wastes from flue-gas desulphurisation in solid form
10 01 07	Calcium-based reaction wastes from flue-gas desulphurisation in sludge form
10 01 14*	Bottom ash, slag and boiler dust from co-incineration containing dangerous substances
10 01 15	Bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 16*	Fly ash from co-incineration containing dangerous substances
10 01 17	Fly ash from co-incineration other than those mentioned in 10 01 16
10 01 19	Wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
10 01 20*	Sludges from on-site effluent treatment containing dangerous substances
10 01 21	Sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 22*	Aqueous sludges from boiler cleansing containing dangerous substances
10 01 23	Aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 24	Sands from fluidised beds
10 01 26	Wastes from cooling-water treatment
10 02	Wastes from the iron and steel industry
10 02 01	Wastes from the processing of slag
10 02 02	Unprocessed slag
10 02 07*	Solid wastes from gas treatment containing dangerous substances
10 02 08	Solid wastes from gas treatment other than those mentioned in 10 02 07
10 02 10	Mill scales
10 02 11*	Wastes from cooling-water treatment containing oil
10 02 12	Wastes from cooling-water treatment other than those mentioned in 10 02 11
10 02 13*	Sludges and filter cakes from gas treatment containing dangerous substances
10 02 14	Sludges and filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	Other sludges and filter cakes
10 03	Wastes from aluminium thermal metallurgy
10 03 05	Waste alumina
10 03 16	Skimmings other than those mentioned in 10 03 15

Table S2.2B Proposed waste types and quantities for washing plant

Maximum quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2A
Waste code	Description
10 03 23*	Solid wastes from gas treatment containing dangerous substances
10 03 24	Solid wastes from gas treatment other than those mentioned in 10 03 23
10 03 25*	Sludges and filter cakes from gas treatment containing dangerous substances
10 03 26	Sludges and filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 27*	Wastes from cooling-water treatment containing oil
10 03 28	Wastes from cooling-water treatment other than those mentioned in 10 03 27
10 03 29*	Wastes from treatment of salt slags and black drosses containing dangerous substances
10 03 30	Wastes from treatment of salt slags and black drosses other than those mentioned in 10 03 29
10 04	Wastes from lead thermal metallurgy
10 04 01*	Slags from primary and secondary production
10 04 06*	Solid wastes from gas treatment
10 04 07*	Sludges and filter cakes from gas treatment
10 04 09*	Wastes from cooling-water treatment containing oil
10 04 10	Wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	Wastes from zinc thermal metallurgy
10 05 01	Slags from primary and secondary production
10 05 05*	Solid waste from gas treatment
10 05 06*	Sludges and filter cakes from gas treatment
10 05 08*	Wastes from cooling-water treatment containing oil
10 05 09	Wastes from cooling-water treatment other than those mentioned in 10 05 08
10 05 11	Dross and skimmings other than those mentioned in 10 05 10
10 06	wastes from copper thermal metallurgy
10 06 01	Slags from primary and secondary production
10 06 02	Dross and skimmings from primary and secondary production
10 06 06*	Solid wastes from gas treatment
10 06 07*	Sludges and filter cakes from gas treatment
10 06 09*	Wastes from cooling-water treatment containing oil
10 06 10	Wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	Wastes from silver, gold and platinum thermal metallurgy
10 07 01	Slags from primary and secondary production
10 07 02	Dross and skimmings from primary and secondary production
10 07 03	Solid wastes from gas treatment
10 07 05	Sludges and filter cakes from gas treatment
10 07 07*	Wastes from cooling-water treatment containing oil
10 07 08	Wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	Wastes from other non-ferrous thermal metallurgy
10 08 09	Other slags
10 08 11	Dross and skimmings other than those mentioned in 10 08 10
10 08 17*	Sludges and filter cakes from flue-gas treatment containing dangerous substances
10 08 18	Sludges and filter cakes from flue-gas treatment other than those mentioned in 10 08 17
10 08 19*	Wastes from cooling-water treatment containing oil
10 08 20	Wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	Wastes from casting of ferrous pieces

Table S2.2B Proposed waste types and quantities for washing plant

Maximum quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2A
Waste code	Description
10 09 03	Furnace slag
10 10	Wastes from casting of ferrous pieces
10 10 03	Furnace slag
10 12	Wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	Waste preparation mixture before thermal processing
10 12 05	Sludges and filter cakes from gas treatment
10 12 09*	Solid wastes from gas treatment containing dangerous substances
10 12 10	Solid wastes from gas treatment other than those mentioned in 10 12 09
10 12 11*	Wastes from glazing containing heavy metals
10 12 12	Wastes from glazing other than those mentioned in 10 12 11
10 12 13	Sludge from on-site effluent treatment
10 13	Wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 01	Waste preparation mixture before thermal processing
10 13 07	Sludges and filter cakes from gas treatment
10 13 11	Wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
10 13 12*	Solid wastes from gas treatment containing dangerous substances
10 13 13	Solid wastes from gas treatment other than those mentioned in 10 13 12
10 13 14	Waste concrete and concrete sludge
11	WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY
11 01	Wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)
11 01 09*	Sludges and filter cakes containing dangerous substances
11 01 10	Sludges and filter cakes other than those mentioned in 11 01 09
12	WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS
12 01	Wastes from shaping and physical and mechanical surface treatment of metals and plastics
12 01 08*	Machining emulsions and solutions containing halogens
12 01 09*	Machining emulsions and solutions free of halogens
12 01 14*	Machining sludges containing dangerous substances
12 01 15	Machining sludges other than those mentioned in 12 01 14
12 01 16*	Waste blasting material containing dangerous substances
12 01 17	Waste blasting material other than those mentioned in 12 01 16
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 10	Aqueous liquid wastes destined for off-site treatment
16 10 02	Aqueous liquid wastes other than those mentioned in 16 10 01
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02	Wood, glass and plastic
17 02 01	Wood
17 02 04*	Glass, plastic and wood containing or contaminated with dangerous substances
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil

Table S2.2B Proposed waste types and quantities for washing plant

Maximum quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2A
Waste code	Description
17 05 08	Track ballast other than those mentioned in 17 05 07
17 09	Other construction and demolition wastes
17 09 03*	Other construction and demolition wastes (including mixed wastes) containing dangerous substances
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTEWATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 01	Wastes from incineration or pyrolysis of waste
19 01 05*	Filter cake from gas treatment
19 01 07*	Solid wastes from gas treatment
19 01 11*	Bottom ash and slag containing dangerous substances
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
19 01 13*	Fly ash containing dangerous substances
19 01 14	Fly ash other than those mentioned in 19 01 13
19 01 15*	Boiler dust containing dangerous substances
19 01 16	Boiler dust other than those mentioned in 19 01 15
19 01 17*	Pyrolysis wastes containing dangerous substances
19 01 18	Pyrolysis wastes other than those mentioned in 19 01 17
19 05	Wastes from aerobic treatment of solid wastes
19 05 01	Non-composted fraction of municipal and similar wastes
19 05 02	Non-composted fraction of animal and vegetable waste
19 06	Wastes from anaerobic treatment of waste
19 06 04	Digestate from anaerobic treatment of municipal waste
19 06 06	Digestate from anaerobic treatment of animal and vegetable waste
19 08	Wastes from wastewater treatment plants not otherwise specified
19 08 05	Sludges from treatment of urban wastewater
19 08 08*	Membrane system waste containing heavy metals
19 08 09*	Grease and oil mixture from oil/water separation containing edible oil and fats
19 08 11*	Sludges containing dangerous substances from biological treatment of industrial wastewater
19 08 12	Sludges from biological treatment of industrial wastewater other than those mentioned in 19 08 11
19 08 13*	Sludges containing dangerous substances from other treatment of industrial wastewater
19 08 14	Sludges from other treatment of industrial wastewater other than those mentioned in 19 08 13
19 10	Wastes from shredding of metal-containing wastes
19 10 05*	Other fractions containing dangerous substances
19 10 06	Other fractions other than those mentioned in 19 10 05
19 11	Wastes from oil regeneration
19 11 01*	Spent filter clays
19 11 05*	Sludges from on-site effluent treatment containing dangerous substances
19 11 06	Sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 11*	Other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances

Table S2.2B Proposed waste types and quantities for washing plant

Maximum quantity	Total annual throughput shall not exceed 350,000 tonnes per year in combination with the waste types specified in Table S2.2A
Waste code	Description
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13	Wastes from soil and groundwater remediation
19 13 03*	Sludges from soil remediation containing dangerous substances
19 13 04	Sludges from soil remediation other than those mentioned in 19 13 03
19 13 05*	Sludges from groundwater remediation containing dangerous substances
19 13 06	Sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 07*	Aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
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 03	Other non-biodegradable wastes

Table S2.3 Permitted waste types and quantities for soil and aggregate processing facility

Maximum waste throughput quantity Total annual throughput shall not exceed 649,000 tonnes per 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 01	Wastes from mineral metalliferous excavation
01 01 02	Wastes from mineral non-metalliferous excavation
01 03	Wastes from physical and chemical processing of metalliferous minerals
01 03 06	Tailings other than those mentioned in 01 03 04 and 01 03 05
01 03 09	Red mud from alumina production other than the wastes mentioned in 01 03 07
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
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11
01 04 13	Wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	Drilling muds and other drilling wastes
01 05 04	Freshwater drilling muds and wastes
01 05 08	Chloride-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06
02	WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING
02 01	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 01	Sludges from washing and cleaning
02 01 03	Plant-tissue waste
02 01 06	Animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off-site
02 01 07	Wastes from forestry
02 03	Wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing; conserve production; yeast and yeast extract production, molasses preparation and fermentation
02 03 01	Sludges from washing, cleaning, peeling, centrifuging and separation
02 04	Wastes from sugar processing
02 04 01	Soil from cleaning and washing beet
02 07	Wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)
02 07 01	Wastes from washing, cleaning and mechanical reduction of raw materials
03	WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD
03 01	Wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	Sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	Wastes from pulp, paper and cardboard production and processing
03 03 01	Waste bark and wood
10	WASTES FROM THERMAL PROCESSES
10 01	Wastes from power stations and other combustion plants (except 19)

Table S2.3 Permitted waste types and quantities for soil and aggregate processing facility

Maximum waste throughput quantity Total annual throughput shall not exceed 649,000 tonnes per year

Waste code	Description
10 01 24	Sands from fluidised beds
10 02	Wastes from the iron and steel industry
10 02 01	Wastes from the processing of slag
10 02 02	Unprocessed slag
10 05	Wastes from zinc thermal metallurgy
10 05 01	Slags from primary and secondary production
10 06	Wastes from copper thermal metallurgy
10 06 01	Slags from primary and secondary production
10 07	Wastes from silver, gold and platinum thermal metallurgy
10 07 01	Slags from primary and secondary production
10 08	Wastes from other non-ferrous thermal metallurgy
10 08 09	Other slags
10 09	Wastes from casting of ferrous pieces
10 09 03	Furnace slag
10 10	Wastes from casting of non-ferrous pieces
10 10 03	Furnace slag
10 12	Wastes from manufacture of ceramic goods, bricks, tiles and construction products
10 12 01	Waste preparation mixture before thermal processing
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 01	Waste preparation mixture before thermal processing
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 01	Wood
17 05	Soil (including excavated soil from contaminated sites), stones and 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
17 09	Other construction and demolition wastes
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTEWATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 01	Wastes from incineration or pyrolysis of waste
19 01 12	Bottom ash and slag other than those mentioned in 19 01 11
19 01 18	Pyrolysis wastes other than those mentioned in 19 01 17

Table S2.3 Permitted waste types and quantities for soil and aggregate processing facility

Maximum waste throughput quantity	Total annual throughput shall not exceed 649,000 tonnes per year
Waste code	Description
19 01 19	Sands from fluidised beds
19 08	Wastes from wastewater treatment plants not otherwise specified
19 08 02	Waste from desanding
19 09	Wastes from the preparation of water intended for human consumption or water for industrial use
19 09 01	Solid waste from primary filtration and screenings
19 12	Wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 09	Minerals (for example sand, stones)
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
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 38	Wood other than that mentioned in 20 01 37
20 02	Garden and park wastes (including cemetery waste)
20 02 01	Biodegradable waste
20 02 02	Soil and stones
20 02 03	Other non-biodegradable wastes

Table S2.4 Permitted waste types and quantities for waste transfer station (no treatment)

Maximum waste throughput quantity Total annual throughput shall not exceed 4,999 tonnes per year

Waste code	Description
06	WASTES FROM INORGANIC CHEMICAL PROCESSES
06 13	Wastes from inorganic chemical processes not otherwise specified
06 13 04*	Wastes from asbestos processing
08	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01	Wastes from MFSU and removal of paint and varnish
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11
08 02	Wastes from MFSU of other coatings (including ceramic materials)
08 02 01	Waste coating powders
08 04	Wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances
10	WASTES FROM THERMAL PROCESSES
10 13	Wastes from manufacture of cement, lime and plaster and articles and products made from them
10 13 09*	Wastes from asbestos-cement manufacture containing asbestos
10 13 10	Wastes from asbestos-cement manufacture other than those mentioned in 10 13 09
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 10*	Packaging containing residues of or contaminated by dangerous substances
15 02	Absorbents, filter materials, wiping cloths and protective clothing
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05	Gases in pressure containers and discarded chemicals
16 05 04*	Gases in pressure containers (including halons) containing dangerous substances
17	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 05	Soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	Soil and stones containing dangerous substances
17 05 05*	Dredging spoil containing dangerous substances
17 05 07*	Track ballast containing dangerous substances
17 06	Insulation materials and asbestos-containing construction materials
17 06 01*	Insulation materials containing asbestos
17 06 03*	Other insulation materials consisting of or containing dangerous substances
17 06 04	Insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 06 05*	Construction materials containing asbestos
17 08	Gypsum-based construction material
17 08 02	Gypsum-based construction materials other than those mentioned in 17 08 01

Schedule 3 – Emissions and monitoring

There are no point source emissions, emission limits or associated monitoring requirements.

Schedule 4 (a) – Reporting effective until 16 August 2022

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	Parameter Emission or monitoring	Parameter Emission or monitoring	Parameter Emission or monitoring
-	-	-	-

Table S4.2: Annual production/treatment

Parameter	Units
Total amount of waste treated	tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	08/03/2012
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	08/03/2012
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	08/03/2012
Waste Subject to Condition 4.2.5	Waste tonnage return form from Natural Resources Wales website or other form as agreed in writing by Natural Resources Wales	N/A

Schedule 4 (b) – Reporting effective from 17 August 2022

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	Parameter Emission or monitoring	Parameter Emission or monitoring	Parameter Emission or monitoring
-	-	-	-

Table S4.2: Annual production/treatment

Parameter	Units
Total amount of waste treated	tonnes

Table S4.3 Performance parameters

Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Generation of residues	Annually	tonnes
Generation of wastewater	Annually	m ³

Table S4.4 Reporting forms

Media/parameter	Reporting format	Date of form
Water usage	Form water usage 1 or other form as agreed in writing by Natural Resources Wales	08/03/2012
Energy usage	Form energy 1 or other form as agreed in writing by Natural Resources Wales	08/03/2012
Other performance indicators	Form performance 1 or other form as agreed in writing by Natural Resources Wales	17/08/2022
Waste Subject to Condition 4.2.5	Waste tonnage return form from Natural Resources Wales website or other form as agreed in writing by Natural Resources Wales	N/A

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 activity that gives rise to an incident or accident which significantly affects or may significantly affect the environment Or 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 permit condition	
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) In the event of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment:	
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 Natural Resources Wales 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.

“best available treatment, recovery and recycling techniques” shall have the meaning given to it in the document published jointly by the Department for Environment, Food and Rural Affairs, the Welsh Assembly Government and the Scottish Executive on 27th November 2006, entitled “Guidance on Best Available Treatment, Recovery and Recycling Techniques (BATRR) and Treatment of Waste Electrical and Electronic Equipment (WEEE).

“disposal” or *“D”* means any of the operations provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council on waste.

“emissions to land” includes emissions to groundwater.

“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.

“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 or background concentration limit.

“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.

“hazardous property” has the meaning in Annex III of the Waste Framework Directive

“hazardous waste” has the meaning given in the Hazardous Waste (Wales) Regulations 2005 (as amended)

“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

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

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

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

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

‘Residue’ means the solid waste generated by the waste treatment activity and is not directly related to the type of waste treated in the plant.

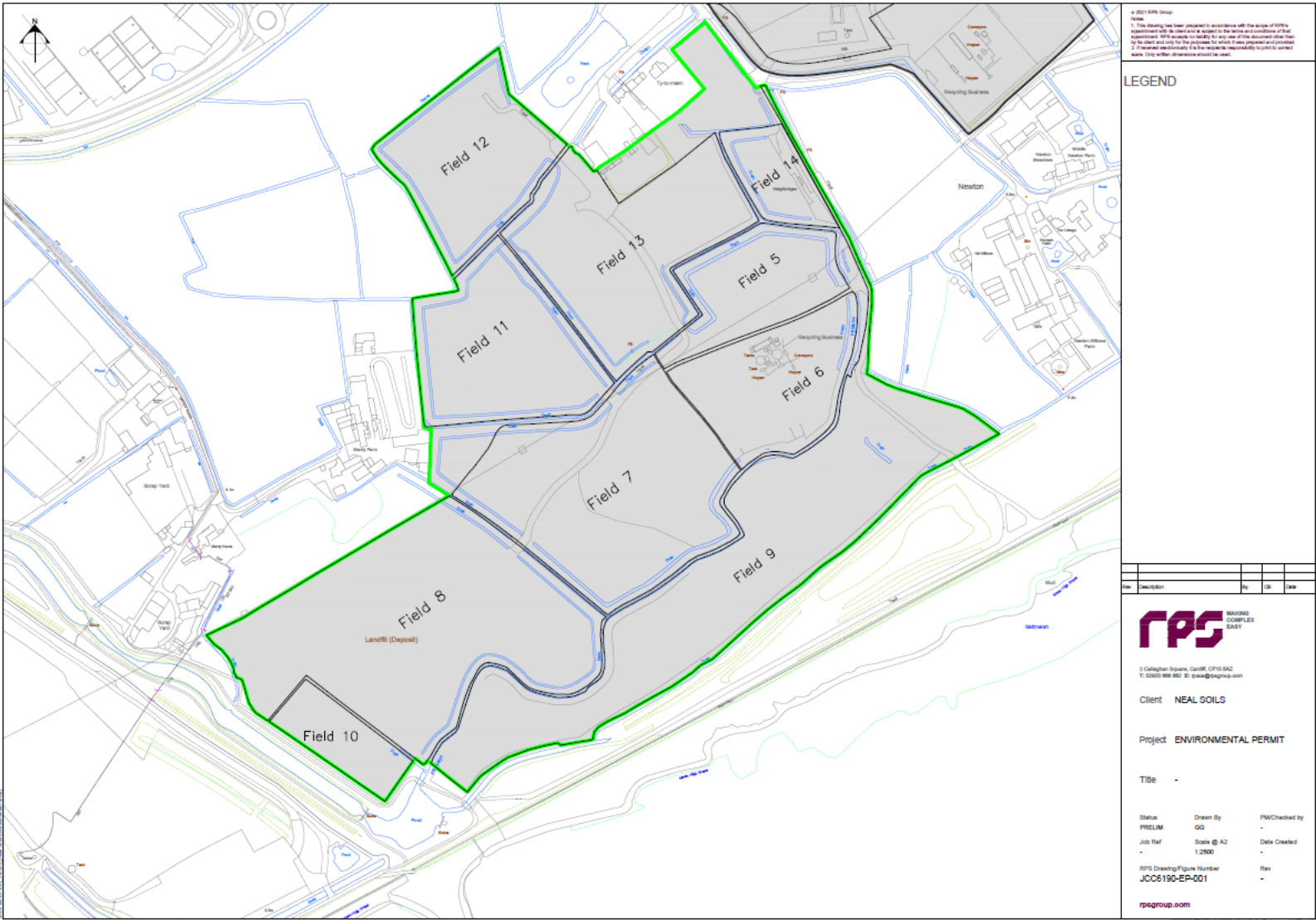
“waste code” means the six digit code referable to a type of waste in accordance with the list of wastes established by Commission Decision 2000/532/EC as amended from time to time (the ‘List of Wastes Decision’) and in relation to hazardous waste, includes the asterisk.

“waste Framework Directive” or *“WFD”* means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste.

“Waste Treatment BAT Conclusions” means the BAT Conclusions for the Waste Treatment sector published as a Commission Implementing Decision EU 2018/1447 in the Official Journal of the EU on 17 August 2018.

“year” means calendar year ending 31 December.

Schedule 7 - Site plan



END OF PERMIT