

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Waste Recycling Group (Central) Limited
Edwin Richards Quarry - Soil Treatment Centre
Portway Road
Rowley Regis
Warley
West Midlands
B65 9BT

Variation application number

EPR/HP3632RP/V003

Permit number

EPR/HP3632RP

Edwin Richards Quarry - Soil Treatment Centre

Permit number EPR/HP3632RP

Introductory note

This introductory note does not form a part of the notice

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

The operator has applied to vary the permit to

- Amend the split of hazardous / non-hazardous waste treated at the facility by increasing the annual throughput for hazardous waste from 29,999 tonnes per annum (tpa) to 89,999 tpa and reducing the annual throughput for non-hazardous waste from 120,001 tpa to 60,001 tpa;
- Permit acceptance of wastes classified as hazardous HP10 (toxic for reproduction);
- Addition of EWC Codes 19 12 11* other wastes (including mixtures of materials) from mechanical treatment of waste containing hazardous substances and 19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11 to Table S2.3;
- Addition of code R5 to Table S1.1 to enable equivalent treatment activities to S5.3 A(1)(a)(i) and S5.4 A(1)(b)(i) for recovery as well as disposal;
- Increase of non-hazardous waste storage limit from 100,000 tonnes to 150,000 tonnes;
- Amendment to Table S1.1 Activity S5.6 A(1)(a) or addition of a new activity for the temporary external storage of up to 10,000 tonnes untreated hazardous soils containing asbestos pending further treatment or transfer off-site;
- Permission to pre-screen soils containing bonded asbestos debris; and,
- Removal of the dewatering and solidification activities.

The schedules specify the changes made to the 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
Application EPR/HP3632RP/V003	Duly made 08/02/2016	Application for new permit for a waste soil treatment facility.
Additional information received response to schedule 5 notice	10/05/2016	Additional information, including; site drainage plans.
Additional information received response to schedule 5 notice and request for additional information.	23/06/2016	Additional information, including; confirmation of waste types and biopile monitoring parameters.
Additional information received response to schedule 5 notice	30/06/2016	Email confirming destination of uncontaminated surface water runoff.
Permit determined EPR/HP3632RP	25/07/2016	Permit issued to Waste Recycling Group (Central) Limited.

Status log of the permit		
Description	Date	Comments
(PAS Billing ref. HP3632RP)		
Application EPR/HP3632RP/V002 (variation and consolidation)	Duly made 16/11/17	Application to vary the permit to add hand picking of identifiable pieces of bonded asbestos from waste soil. Waste code 19 12 07 is also added to Table S2.3 for the bioremediation process. As part of this variation a consolidated permit has been issued.
Variation determined EPR/HP3632RP/V002	26/02/18	Varied permit issued.
Application EPR/HP3632RP/V003 (variation and consolidation)	Duly made on 05/11/2019	Application to <ul style="list-style-type: none"> • Amend the split of hazardous / non-hazardous waste treated at the facility; • Permit acceptance of wastes classified as hazardous HP10 (toxic for reproduction); • Addition of EWC Codes 19 12 11* and 19 12 12 to Table S2.3; • Addition of code R5 to Table S1.1 to enable equivalent treatment activities to S5.3 A(1)(a)(i) and S5.4 A(1)(b)(i) for recovery as well as disposal; • Increase of non-hazardous waste storage limit from 100,000 tonnes to 150,000 tonnes; • Amendment to Table S1.1 Activity S5.6 A(1)(a) or addition of a new activity for the temporary external storage of up to 10,000 tonnes untreated hazardous soils containing asbestos pending further treatment or transfer off-site; • Permission to pre-screen soils containing bound asbestos debris; and, • Removal of the dewatering and solidification activities.
Additional information received response to schedule 5 notice	22/06/2020, 26/06/2020 & 14/07/2020	Letters with responses including, removal of EWC codes 17 09 03* & 17 09 04 to Table S2.6 from the application and 30 M ³ limit of storage of waste woodchip only.
Additional information received response to schedule 5 notice	16/07/2020	Letter with responses including drawing no. 100993 – Asbestos DWG2/Rev 2 dated June 2020 (drainage plan) and a revised H1 assessment in connection with water discharges from the site.
Additional information received response to schedule 5 notice	02/11/2020	Email requesting a change in annual throughput for both hazardous and non-hazardous wastes. Other documents submitted: - An updated Environmental Risk assessment,

Status log of the permit		
Description	Date	Comments
		Emissions management and monitoring plan including drawing no.100993 – Asbestos DWG3/Rev1 dated October 2020, An updated technical report, and An updated technical standards document.
Additional information received	13/05/2021	Email with confirmation of wastes types that can only be treated for disposal purposes in the bioremediation process.
Variation determined EPR/HP3632RP/V003	02/06/2021	Varied permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies

Permit number

EPR/HP3632RP

Issued to

Waste Recycling Group (Central) Limited (“the operator”)

whose registered office is

**Ground Floor West
900 Pavilion Drive
Northampton Business Park
Northampton
NN4 7RG**

company registration number 04000033

to operate a regulated facility at

**Edwin Richards Quarry - Soil Treatment Centre
Portway Road
Rowley Regis
Warley
West Midlands
B65 9BT**

to the extent set out in the schedules.

The notice shall take effect from 02/06/2021

Name	Date
Daniel Timney	02/06/2021

Authorised on behalf of the Environment Agency

Schedule 1

Only conditions 2.3.4, Table S1.1, Table S1.2, Table S1.3, Table S1.4, Table S2.2, Table S2.3, Table S2.4, Table S3.2, Table S3.3, Table S4.1 and Table S4.2 have been varied by the consolidated permit EPR/HP3632RP

The following conditions were varied as a result of the application made by the operator:

- Condition 2.3.4 has been amended to reflect the change to the numbering of the waste types tables.
- Table S1.1 has been amended to remove the dewatering and solidification activities, including reference to the associated waste types table (Table S2.4) and remove the DAA non-hazardous waste storage, associated waste types table (Table S2.5) not connected to on-site treatment activities, add R5 operations for the bioremediation process and limiting certain waste types to treatment for disposal purposes only, limit the storage of combustible waste on site to 30M³ and to permit the use of the mechanical screener once pre-operational condition 1 has been given written permission.
- Table S1.2 to reference new documents in the operating techniques.
- Table S1.3 to include a pre-operational condition in connection with the use of the mechanical screener for the screening of asbestos contaminated soils.
- Table S1.4 to indicate the improvement condition has been completed.
- Table S2.2 to amend the annual tonnage of hazardous and non-hazardous that can be accepted on site and restrict the combustible waste to untreated woodchip only.
- Table S2.3 to amend the annual tonnage of hazardous and non-hazardous that can be accepted on site, restrict the combustible waste to untreated woodchip only, add EWC codes 19 12 11* and 19 12 12 and to add HP10 .
- Table S2.4 replaces Table S2.6 and amend the annual tonnage of hazardous and non-hazardous that can be accepted on site
- Table S3.2 to include the reference to the drainage plan.
- Table S3.3 to include details on the asbestos monitoring for both the external and internal activities and reference to a new location plan.
- Table S4.1 to include reporting requirements for asbestos monitoring.
- Table S4.2 to remove reference to the dewatering and solidification activities.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/HP3632RP

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/HP3632RP/V003 authorising,

Waste Recycling Group (Central) Limited (“the operator”),

whose registered office is

**Ground Floor West
900 Pavilion Drive
Northampton Business Park
Northampton
NN4 7RG**

company registration number 04000033

to operate an installation at

**Edwin Richards Quarry - Soil Treatment Centre
Portway Road
Rowley Regis
Warley
West Midlands
B65 9BT**

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

Name	Date
Daniel Timney	02/06/2021

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 Energy efficiency

- 1.2.1 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 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 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 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 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3 and S2.4, and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 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.
- 2.3.6 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.

Hazardous waste storage and treatment

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

2.4 Pre-operational conditions

- 2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.3 have been completed.

2.5 Improvement programme

- 2.5.1 The operator shall complete the improvements specified in schedule 1 table S1.4 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.5.2 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.

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 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 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 the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency 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 the Environment Agency.
- 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 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.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency 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 the Environment Agency.

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 emissions specified in tables S3.1 and S3.2;
 - (b) process monitoring specified in table S3.3;
- 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 tables S3.1, S3.2 and S3.3 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 from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

- 3.7.1 The operator shall take all appropriate measures to prevent fires on site and minimise the risk of pollution from them including, but not limited to, those specified in any approved fire prevention plan.

- 3.7.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;
 - (b) implement the fire prevention 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 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) 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 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 S4.4; 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 the Environment Agency, 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 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.

4.3 Notifications

4.3.1 In the event:

- (a) 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 the Environment Agency,
 - (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) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) 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 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.

4.3.6 The Environment Agency 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 No. and activity description	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
AR1 - Physical treatment of hazardous waste	S5.3A(1)(a)(ii)	<p>Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment</p> <p>D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12</p>	<p>From receipt of hazardous waste to despatch for other on-site operations or off-site disposal.</p> <p>Physical treatment consisting of sorting, separation and screening of hazardous waste.</p> <p>All treatment and storage shall take place on an impermeable surface with a sealed drainage system</p> <p>Temporary storage of hazardous waste following treatment for off-site disposal.</p> <p>The hazardous waste specified in table S2.2</p>
AR2 - Asbestos removal from soils	S5.3A(1)(a)(ii)	<p>Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment</p> <p>D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12</p>	<p>From receipt of hazardous waste through to storage of treated waste prior to being subject to bioremediation or sent off-site for disposal.</p> <p>Treatment consisting only of the following:</p> <ul style="list-style-type: none"> • Once pre-operational condition 1 has been given written permission the mechanical screening of waste soil prior to transfer to the hand picking line. • Hand picking of identifiable pieces of bonded asbestos from waste soils in a dedicated enclosed picking line <p>All treatment and storage shall take place on an impermeable surface with a sealed drainage system within the building (labelled as 'dust shed') as shown on drawing number 100993 – Asbestos DWG1 dated January 2018.</p>

Table S1.1 activities			
Activity Reference No. and activity description	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
			<p>Waste subject to this process shall only be contaminated with asbestos alone or in combination with hydrocarbons.</p> <p>Asbestos removed from the soil shall be double-bagged and stored in a sealed locked skip.</p> <p>Temporary storage of hazardous waste following treatment prior to further treatment on site or off-site disposal.</p> <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal.</p> <p>Waste types and quantities as specified in Table S2.4.</p>
AR3 - Physical treatment of non-hazardous waste	S5.4A(1)(a)(ii)	<p>Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving physico-chemical treatment</p> <p>D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12</p>	<p>From receipt of non-hazardous waste to despatch for other on-site operations or off-site disposal.</p> <p>Physical treatment consisting of sorting, separation, screening and crushing of non-hazardous waste.</p> <p>Temporary storage of non-hazardous waste following treatment prior to further treatment on site or off-site disposal.</p> <p>The non-hazardous wastes specified in table S2.2</p>
AR4 - Bioremediation of hazardous waste for disposal	S5.3 A(1)(a)(i)	<p>Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment</p> <p>D8: Biological treatment resulting in final compounds or mixtures which are discarded by any of the</p>	<p>Bioremediation process for hazardous waste.</p> <p>All treatment and storage shall take place on an impermeable surface with a sealed drainage system</p> <p>Temporary storage of hazardous waste following bioremediation,</p>

Table S1.1 activities			
Activity Reference No. and activity description	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
		operations numbered D1 to D12	pending further treatment on-site or off-site disposal. The hazardous waste specified in table S2.3
AR5 - Bioremediation of hazardous waste for recovery	S5.3 A(1)(a)(i)	Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment R5: Biological treatment	Bioremediation process for hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system Temporary storage of hazardous waste following bioremediation, pending further treatment on-site or off-site recovery. The hazardous waste specified in table S2.3. Notwithstanding the above, the following waste EWC codes shall not be treated for recovery purposes: 19 02 04*, 19 02 05*, 19 02 11* & 19 1211*
AR6 - Bioremediation of non-hazardous waste for disposal	S5.4A(1)(a)(i)	Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment D8: Biological treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	Bioremediation process for non-hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system. Temporary storage of non-hazardous waste following bioremediation, pending further treatment on-site or off-site disposal. The non-hazardous wastes specified in table S2.3.
AR7 - Bioremediation of non-hazardous waste for recovery	S5.4A(1)(b)(i)	Recovery or a mix of recovery and disposal of non-hazardous waste with a capacity exceeding 75 tonnes per day involving biological treatment R5: Biological treatment	Bioremediation process for non-hazardous waste. All treatment and storage shall take place on an impermeable surface with a sealed drainage system.

Table S1.1 activities			
Activity Reference No. and activity description	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
			<p>Temporary storage of non-hazardous waste following bioremediation, pending further treatment on-site or for recovery.</p> <p>The non-hazardous wastes specified in table S2.3. Notwithstanding the above, the following waste EWC codes shall not be treated for recovery purposes: 19 02 03 & 19 12 12.</p>
AR8 - Temporary storage of hazardous waste pending treatment on site.	S5.6 A(1)(a)	<p>The temporary storage of hazardous waste in a facility with a total capacity exceeding 50 tonnes pending any of the activities listed in sections 5.1, 5.2 and 5.3.</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Storage of waste pending the operations numbered R1 and R13 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>Temporary storage of hazardous waste pending treatment on site under activities AR1, AR2, AR4 and AR5.</p> <p>All hazardous waste shall be stored on an impermeable surface with a sealed drainage system.</p> <p>Asbestos contaminated soil shall be stored either within the building as shown on drawing number 100993 – Asbestos DWG1 dated January 2018 (labelled as ‘dust shed’) in a way that minimises asbestos fibre emissions or stored externally, ensuring it remains damped down and covered, unless being transported, so as to minimise potential asbestos fibre emissions.</p> <p>The maximum amount of asbestos contaminated soil to be stored externally shall not exceed 10,000 tonnes.</p> <p>Asbestos removed from the soil shall be double-bagged and stored in a sealed locked skip.</p> <p>Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal.</p>

Table S1.1 activities			
Activity Reference No. and activity description	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
			Hazardous wastes as specified in table S2.2 table S2.3 and table S2.4.
Directly Associated Activity			
AR9	Fuel storage	Storage of diesel.	From receipt of fuel to use on-site for power generation
AR10	Water storage	Collection and storage of process water	From collection of process water to re-use within the facility or discharge to foul sewer.
AR11	Waste storage	<p>Temporary storage of non-hazardous waste</p> <p>D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced)</p> <p>R13: Storage of waste pending the operations numbered R1 and R13 (excluding temporary storage, pending collection, on the site where it is produced)</p>	<p>Temporary storage of non-hazardous waste prior to treatment on site under activities AR3, AR6 and AR7 above.</p> <p>The maximum tonnage of non-hazardous waste stored on site, at any one time, shall not exceed 150,000 tonnes.</p> <p>Notwithstanding the above, the maximum volume of combustible waste (wood) on site at any one time shall not exceed 30m³.</p> <p>Storage of combustible waste shall take place on an impermeable surface with a sealed drainage system</p> <p>Non-hazardous wastes specified in table S2.2 and S2.3.</p>
AR12	Raw material storage	Temporary storage of raw materials including solidifying agents such as ash prior to use in the solidification process.	From the receipt of raw materials to despatch for use within the facility.
AR13	Effluent treatment plant	Treatment of process water prior and the re-use of such water on site to discharge from the site.	

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/HP3632RP/A001	Application forms B2 and B3 and referenced supporting information. Excluding waste code 17 06 05* for the Soil Treatment Centre Waste Types in Table 3.3 (Page 36) dated 27 November 2015. Excluding the woody waste limit of < 1% of the biopiles volume.	Duly Made 08/02/2016
Response to schedule 5 notice EPR/HP3632RP/A001	All parts, including; hazardous and non-hazardous waste treatment and storage procedures. Excluding waste code 17 06 05* for the Soil Treatment Centre Waste Types Accepted for Physical Treatment in Table A1 (Page 11) of the Schedule 5 Response dated 10 May 2016.	10/05/2016
Response to schedule 5 notice and request for additional information. EPR/HP3632RP/A001	All parts, including; confirmation of biopile performance parameter monitoring regime.	23/06/2016
Response to schedule 5 notice EPR/HP3632RP/A001	Confirmation of surface water drainage destination.	30/06/2016
Application EPR/HP3632RP/V002	Application form C3 section 3a – technical standards and referenced supporting information.	Duly Made 16/11/17
Response to Schedule 5 Notice dated 15/01/18	All parts document reference: 3483/L/007/05.	29/01/18
Application EPR/HP3632RP/V003	Application form C3 section 3a – technical standards and referenced supporting information. Odour Management plan ref 4236/R/006/2 Dust Management Plan ref 4236/R/005/2	Duly Made 05/11/2019
Response to Schedule 5 Notice dated 28/09/2020	An updated Environmental Risk assessment, Emissions management and monitoring plan amendment, An updated technical report, and An updated technical standards document.	02/11/2020
Additional information	Email with confirmation of wastes types that can only be treated for disposal purposes in the bioremediation process.	13/05/2021

Table S1.3 Pre-operational measures	
Reference	Pre-operational measures
1	<p>Prior to the use of the mechanical screener for the pre-screening of asbestos contaminated soils under activity reference AR2 a report shall be submitted for written permission detailing the following aspects:</p> <ul style="list-style-type: none"> • Evidence to demonstrate that the mechanical screener is fully enclosed and all dust emissions from the screening operation are directed to an active abatement system with a HEPA filter or other suitable design. • Details of the proposed commissioning, operational and maintenance procedures associated with the mechanical screener and active abatement system to be implemented on site. • Details of monitoring checks, audits and emergency procedures to be implemented on site to ensure both the mechanical screener and active abatement system are fully operational and working as designed. <p>No mechanical pre-screening of asbestos contaminated soils under activity reference AR2 shall commence unless the Environment Agency has given prior written permission under this condition.</p>

Table S1.4 Improvement programme requirements		
Reference	Requirement	Date
IP1	<p>The Operator shall complete the site drainage works within the building (labelled as 'dust shed'), as detailed in point 3 of the Schedule 5 response dated 29/01/18, to:</p> <ul style="list-style-type: none"> • seal the redundant manholes; • install kerbing at both the entrance and exit; and • install a drainage sump to collect any excess runoff generated from the spraying of water used to control dust and asbestos fibres. <p>Following completion of these works the operator shall submit a revised site drainage plan to the Environment Agency.</p>	Completed

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities for physical treatment of waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP14
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 09	waste sand and clays
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 hazardous substances
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
05 01	wastes from petroleum refining
05 01 05*	oil spills
05 01 15*	spent filter clays
10	Wastes from thermal processes
10 09	wastes from casting of ferrous pieces
10 09 06	casting cores and moulds which have not undergone pouring other than those mentioned in 10 09 05
10 09 08	casting cores and moulds which have undergone pouring other than those mentioned in 10 09 07
10 10	wastes from casting of non-ferrous pieces
10 10 06	casting cores and moulds which have not undergone pouring, other than those mentioned in 10 10 05
10 10 08	casting cores and moulds which have undergone pouring, other than those mentioned in 10 10 07
13	Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges

Table S2.2 Permitted waste types and quantities for physical treatment of waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP14
Waste code	Description
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood (consisting of untreated woodchips only)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing hazardous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing hazardous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing hazardous substances
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 hazardous substances
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 waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 04*	premixed wastes composed of at least one hazardous waste – wastes suitable for biological treatment only
19 02 05*	sludges from physico/chemical treatment containing hazardous substances – wastes suitable for biological treatment only
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05 – wastes suitable for biological treatment only
19 02 11*	other wastes containing hazardous substances – wastes suitable for biological treatment only
19 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water

Table S2.2 Permitted waste types and quantities for physical treatment of waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP14
Waste code	Description
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing hazardous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
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 (consisting of untreated woodchips only)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 03	other municipal wastes
20 03 03	street-cleaning residues

Table S2.3 Permitted waste types and quantities for treatment in the bioremediation process	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP10, HP11 and HP14
Exclusions	Wastes having any of the following characteristics shall not be accepted: Waste containing asbestos
Waste code	Description
01	Wastes resulting from exploration, mining, quarrying, and physical and chemical treatment of minerals
01 04	wastes from physical and chemical processing of non-metalliferous minerals
01 04 09	waste sand and clays
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 hazardous substances
05	Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal
05 01	wastes from petroleum refining
05 01 05*	oil spills

Table S2.3 Permitted waste types and quantities for treatment in the bioremediation process	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP10, HP11 and HP14
Exclusions	Wastes having any of the following characteristics shall not be accepted: Waste containing asbestos
Waste code	Description
05 01 15*	spent filter clays
13	Oil wastes and wastes of liquid fuels (except edible oils, and those in chapters 05, 12 and 19)
13 05	oil/water separator contents
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	Wood (consisting of untreated woodchips only)
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 03*	soil and stones containing hazardous substances
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 05*	dredging spoil containing hazardous substances
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing hazardous substances
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 02	wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)
19 02 03	premixed wastes composed only of non-hazardous wastes
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing hazardous substances
19 02 06	sludges from physico/chemical treatment other than those mentioned in 19 02 05
19 02 11*	other wastes containing hazardous substances
19 05	wastes from aerobic treatment of solid wastes
19 05 03	off-specification compost
19 08	wastes from waste water treatment plants not otherwise specified
19 08 01	screenings
19 08 02	waste from desanding

Table S2.3 Permitted waste types and quantities for treatment in the bioremediation process	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,001 tonnes per annum of non-hazardous waste will be accepted for treatment at the site. Waste hazardous properties HP4 to HP7, HP10, HP11 and HP14
Exclusions	Wastes having any of the following characteristics shall not be accepted: Waste containing asbestos
Waste code	Description
19 08 13*	sludges containing hazardous substances from other treatment of industrial waste water
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	wood other than that mentioned in 19 12 06 (consisting only of untreated woodchip)
19 12 11*	other wastes (including mixtures of materials) from mechanical treatment of waste containing dangerous substances. (consisting of soils only)
19 12 12	other wastes (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11. (consisting of soils only)
19 13	wastes from soil and groundwater remediation
19 13 01*	solid wastes from soil remediation containing hazardous substances
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 03*	sludges from soil remediation containing hazardous substances
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
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 (consisting of untreated woodchips only)
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 03	street-cleaning residues

Table S2.4 Permitted waste types and quantities for handpicking of asbestos waste	
Maximum quantity	In total no more than 89,999 tonnes per annum of hazardous waste and no more than 60,000 tonnes per annum of non-hazardous waste will be accepted for treatment at the site.
Exclusions	Wastes having any of the following characteristics shall not be accepted: Asbestos in unbound fibrous form (FREE CHRYSOTILE FIBROUS ASBESTOS IN THE SOIL MUST BE < 0.1% w/w. OTHER FORMS OR MIXED FORMS OF FIBROUS ASBESTOS IN THE SOIL MUST BE <0.01% w/w) Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15
Waste code	Description
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 hazardous substances (CONTAINS IDENTIFIABLE PIECES OF BONDED ASBESTOS (any particle of a size that can be identified as potentially being asbestos by a competent person if examined by the naked eye))
17 05 04	soil and stones other than those mentioned in 17 05 03 (CONTAINS IDENTIFIABLE PIECES OF BONDED ASBESTOS (any particle of a size that can be identified as potentially being asbestos by a competent person if examined by the naked eye))
17 06	insulation materials and asbestos-containing construction materials
17 06 05*	construction materials containing asbestos (DISCRETE PIECES OF BONDED ASBESTOS WITHIN THE SOIL MATRIX ONLY)

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 (biofilter on Figure 3, Site Layout dated November 2015, submitted with EPR/HP3632RP/A 001)	Biofilter - Soil Treatment	Total Petroleum Hydrocarbons (TPH)	No limit set	Hourly mean	Monthly	As per M8 or other subsequent guidance as agreed in writing with the Environment Agency
		Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX)	No limit set	Hourly mean	Monthly	
		Polycyclic Aromatic Hydrocarbons (PAHs)	No limit set	Hourly mean	Monthly	

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
Emission point/s as shown on drawing reference 33012-Shr166- Figure 1 Drainage plan	Site effluent from waste processing and storage areas	No parameter set	No limit set	--	--	--
Emission point/s as shown on drawing reference 33012-Shr166- Figure 1 Drainage plan	Uncontaminated site source water from roofs and other non-operational areas	No parameter set	No limit set	--	--	--

Table S3.3 Process monitoring requirements					
Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
Biofilter	Temperature	--	As required	Temperature probe	Biofilter shall be regularly checked and maintained to ensure appropriate temperature and moisture content. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	Moisture	--	As required	None specified	
	Thatching/compaction	--	As required	None specified	
Internal for each biopile batch during bioremediation	Temperature	--	At least weekly	Temperature probe	Monitoring equipment shall be available on site and used as required to maintain aerobic conditions and ensure compliance with this permit. Equipment shall be calibrated on a 4 monthly basis or as agreed in writing by the Environment Agency.
	Moisture	--	As required	None specified	
	pH	--	At least fortnightly	None specified	
	Oxygen	--	At least weekly	None specified	
Air testing within the building (labelled as 'dust shed') for the duration of the asbestos hand picking works and, once pre-operational condition 1 has been given written permission, at all times when the mechanical screening of waste soil is taking place.	Asbestos fibres	0.01 fibres/ml Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present	During the asbestos hand picking works 1 hour at 8 l/min	In line with M17 monitoring guidance While asbestos is being treated. <ul style="list-style-type: none"> • Pumped sampling • 1m above ground level • Flow rate = 8 litres/ minute • Minimum sample volume = 480 litres • Filter pore size = 0.8-1.2µm Asbestos fibre limit of detection = 0.001 fibres/ml	--

Table S3.3 Process monitoring requirements					
Emission point reference or source or description of point of measurement	Parameter	Limit	Monitoring frequency	Monitoring standard or method	Other specifications
Sampling points as detailed in Schedule 5 response dated 29/01/18 and shown on drawing 100993 – Asbestos DWG1 dated January 2018.					
Outside air testing when asbestos contaminated soils are being received, handled and moved within the site Outside Sampling points as detailed in drawing no.100993 – Asbestos DWG3/Rev1 dated October 2020.	Asbestos fibres	0.01 fibres/ml. Where total fibre concentration exceeds 0.01 fibres/ml in any sample, that sample must be submitted for electron microscopy to confirm the concentration of asbestos fibres present	During receipt, handling and movement of asbestos contaminated soil within the site 1 hour at 8 l/min or other agreed period in writing.	In line with M17 monitoring guidance While asbestos contaminated soils are being received, handled and moved within the site. <ul style="list-style-type: none"> • Pumped sampling • 1m above ground level • Flow rate = 8 litres/ minute • Minimum sample volume = 480 litres • Filter pore size = 0.8-1.2µm Asbestos fibre limit of detection = 0.001 fibres/ml	--

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
Biofilter efficiency Parameters as required by condition 3.5.1	Biofilter	Every 12 months	1 January
Asbestos fibres Parameters as required by condition 3.5.1	Air testing within the building (labelled as 'dust shed') during the asbestos hand picking works and, once pre-operational condition 1 has been given written permission, at all times when the mechanical screening of waste soil is taking place. Outside air testing when asbestos contaminated soils are being received, handled and moved within the site Internal Sampling points as detailed in Schedule 5 response dated 29/01/18 and shown on drawing 100993 – Asbestos DWG1 dated January 2018. Outside sampling points as detailed in drawing no.100993 – Asbestos DWG3/Rev1 dated October 2020.	Every 3 months	1 January, 1 April, 1 July, 1 October

Table S4.2 Annual production/treatment	
Parameter	Units
Bioremediation Plant (treatment)	Tonnes per year
Treatment of hazardous waste (total)	Tonnes per year
Treatment of non-hazardous waste (total)	Tonnes per year

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	tonnes or m ³
Energy usage	Annually	MWh

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	07/04/2016
Waste returns	E-Waste Return Form	--
Asbestos Fibres	Form particle 1 or other form as agreed in writing by the Environment Agency	26/02/2018

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 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.

“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.

“building” means a construction that has the objective of providing sheltering cover and minimising emissions of noise, particulate matter, odour and litter.

“disposal”. 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 2010 No.675 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 (England and Wales) Regulations 2005 (as amended).

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

“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, as amended from time to time.

“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.

“recovery” 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.

“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.

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

Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, tables S2.2 and S2.3, for that those tables, 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

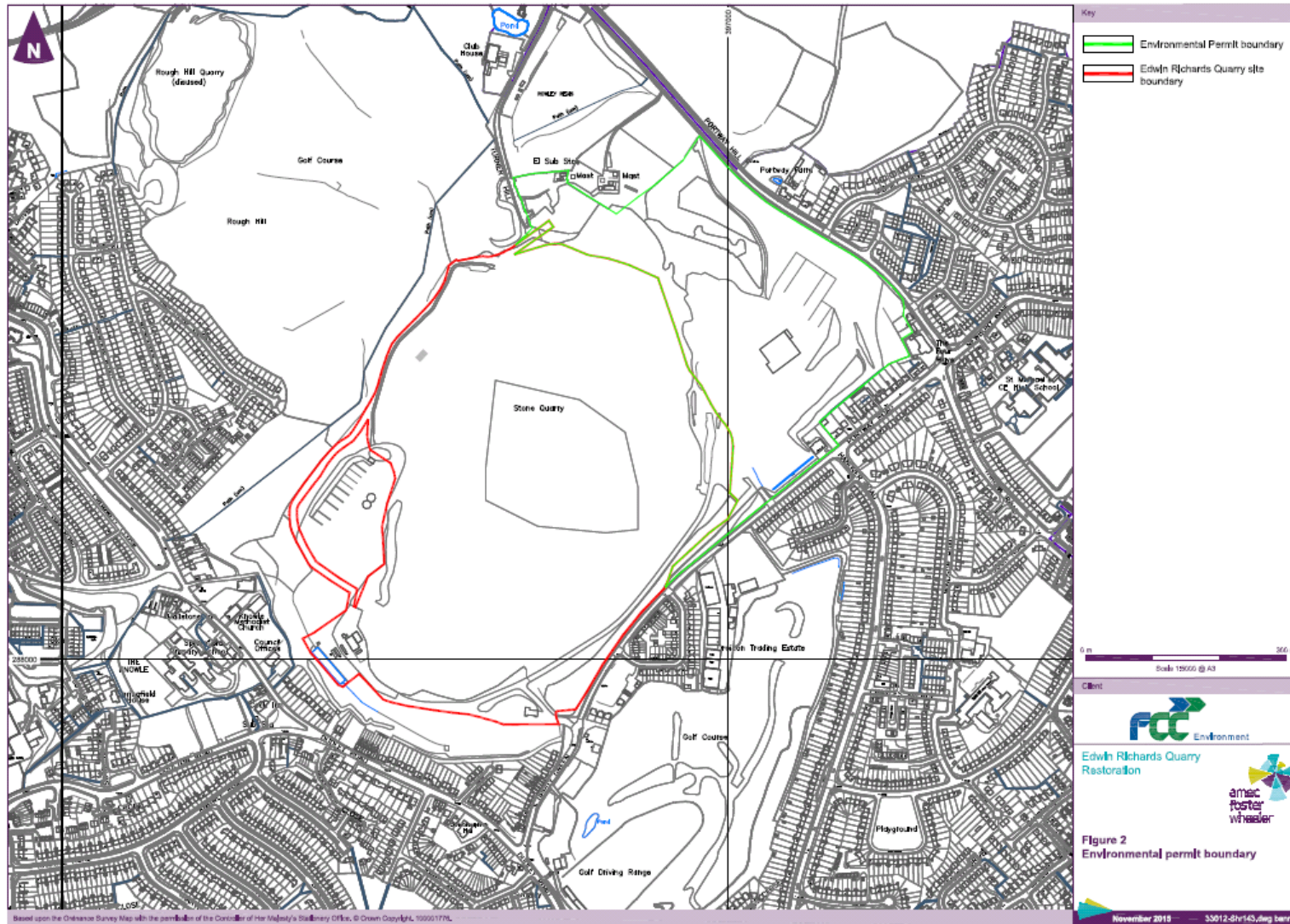
‘transition metals’ means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified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

‘stabilisation’ means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste

‘solidification’ means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste

‘partly stabilised wastes’ means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term

Schedule 7 – Site plan



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