Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Dunton Technologies Limited

Bridge Street North Waste Treatment Facility
Bridge Street North
Smethwick
B66 2DP

Variation application number

EPR/WE8923AB/V004

Permit number

EPR/WE8923AB

Bridge Street North Waste Treatment Facility
Permit number EPR/WE8923AB

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. All the conditions of the permit have been varied and are subject to the right of appeal.

Changes introduced by this variation:

The site currently operates as a Hazardous Waste Treatment Facility located at Bridge Street North, Smethwick and is permitted to undertake the following installation activities:

- Section 5.3 Part A (1) (a) (i) - Biological treatment of hazardous waste soils by bioremediation;
- Section 5.3 Part A (1) (a) (vi) - Physico-chemical treatment of hazardous waste soils (asbestos picking); and
- Section 5.6 Part A (1) (a) – Temporary storage of hazardous waste pending treatment.

This variation increases the annual throughput of the physico-chemical treatment of asbestos contaminated waste (Activity AR2) from 30,000 tonnes to 110,000 tonnes. There is no increase to the storage capacity of the facility or a change to the maximum annual throughput of material proposed for bioremediation (Activity AR1). The variation also adds a bespoke waste activity – the treatment of non-hazardous waste to produce soil, soil substitutes and aggregate. This activity is based around Standard Rules Permit SR2022 No.1: treatment of waste to produce soil, soil substitutes and aggregate.

There is no change to the Directly Associated Activities undertaken at the site which include:-

- Screening of waste prior to treatment (with the exception of asbestos contaminated soil);
- Storage of wastes after treatment; and
- On-site storage of fuel and raw materials

Brief description of the process

The site is situated on Bridge Street North within Smethwick, approximately 4.6km north-west of Birmingham city centre centred at NGR SP 02593 88970 with access to the site off Bridge Street North which bounds the eastern perimeter of the site. Immediately to the north of the site is the New Main Line Canal and to the west and south is the canal known as the Engine Arm. The nearest residential dwellings are located on Engine Arm (residential moorings) approximately 50m to the south of the site and properties approximately 90m north-east of the site. Commercial and light industrial units are present from 10m east and 15m south.

A Nature and Heritage Conservation Screening shows that there are no designated habitat sites around the permitted facility within the relevant screening distances.

The process is the treatment of contaminated soils via physio-chemical treatment and bioremediation in an indoor facility with a maximum of treatment capacity of 110,000 tonnes of hazardous waste per year. The total throughput of the site, including the non-hazardous waste activity is also 110,000 tonnes. The principal treatment objective for the hazardous waste activity is to render the waste materials non-hazardous and appropriate for re-use.

Waste delivery, storage and treatment will be undertaken within the main building. Wastes are brought to the site in HGVs and are subjected to acceptance checks in line with the site's pre-acceptance, acceptance and rejection procedures. Once accepted, wastes are offloaded and transferred to dedicated storage bays.

Wastes that are designated for bioremediation will be screened to remove any large objects and transferred to an engineered biopad. Soils may be conditioned with bulking agents, bacteria and nutrients as required to optimise bioremediation. The biopad base will consist of a kerbed concrete pad within the main process building that has a slight fall to allow all process water to be collected in a sump at the rear of the pad. A network of perforated aeration pipes will be installed beneath and within the biopiles which are linked to an aeration system. The design allows for control of moisture and oxygen levels within the biopiles to aid aerobic conditions. The air extraction system draws air from the biopile where it is subsequently treated in the abatement system comprising of two carbon absorption units fitted in series followed by a HEPA filter, prior to release to atmosphere at roof height. Once the soil meets the external re-use criteria, the soil is removed from the biopad and transferred to the treated soils storage area or taken directly off-site. The biological treatment process typically is between 8 to 16 weeks dependent on the contaminants present in the soil.

All wastes containing asbestos will be brought onto site in enclosed/sheeted vehicles. Asbestos wastes from single source will not be mixed with asbestos contaminated wastes from other sites. Following acceptance, asbestos contaminated waste will be stored in one of five dedicated storage bays from where they will be moved to the treatment facility. The facility will consist of a purpose-built picking station comprising a raised conveyor belt enclosed by an airtight cabin. Wastes will be transferred from the asbestos storage bays to the treatment facility via a feed hopper onto a covered conveyor where it is wetted down using a spray bar to prevent any fugitive releases and into the picking station. The storage bays for incoming wastes, the hopper and the asbestos picking cabin are all enclosed and fitted with abatement equipment consisting of carbon and HEPA filters. Picked asbestos will be placed into skips which will contain double bag liners and will be locked securely in an onsite skip prior to transfer off site. Treated soils will be discharged from the picking station via the conveyor system.

The areas of the site proposed for the receival, storage and treatment of non-hazardous waste are currently used for the receival, storage and treatment of hazardous waste through bioremediation. Prior to undertaking non-hazardous waste processing, the bays used for bioremediation will be decontaminated and verified by on-site operations personnel. This will provide segregation of hazardous and non-hazardous waste. Waste will be accepted to the site through a dedicated receival bay and handled, stored, and treated using dedicated plant in specific areas of the existing facility. Waste that is proposed for bioremediation will not be received at the site at the same time as non-hazardous waste. At no time will the two waste streams be mixed. This is reflected in the waste acceptance procedures.

There will be no discharges of process water to controlled waters or sewer. Any process water generated will be either reused in the process or removed off site for suitable disposal.

The operator has proposed control measures which are compliant with the Best Available Techniques (BAT) as specified in the Waste Treatment BAT Conclusions. The operator has an Environmental Management System (EMS) in place which includes procedures and check sheets for the recording of accidents and incidents, maintenance of the site infrastructure, plant and equipment, as well as staff training, technical competence and health and safety.

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**
Permit determined EPR/WE8923AB	18/01/2023	Standard Rules SR2010 No. 12
Application Received ERPR/WE8923AB/V002	Duly made 28/07/2023	Application for hydrocarbon and asbestos contaminated soils treatment.

Status log of the permit		
Description	**Date**	**Comments**
Additional information received in email dated 11/10/2023	11/10/2023	Request to amend annual tonnage to 30,000 tonnes
Response to Schedule 5 Notice dated 01/11/2023	15/12/2023	Response to questions 1 to 21 of the Schedule 5 notice, including details on the disposal of wastewater, a revised Dust & Emissions Management Plan (DEMP), further information on the treatment of asbestos contaminated waste and the storage of treated soils.
Variation determined and consolidation issued EPR/WE8923AB/V002	23/02/2024	Varied and consolidated permit issued
Application Variation EPR/WE8923AB/V003	10/01/2025	
Application Returned EPR/WE8923AB/V003	17/01/2025	Application payment missing.
Application Variation EPR/WE8923AB/V004	Duly made 11/08/2025	Variation application to increase the annual throughput of the site from 30,000 tonnes to 110,000 tonnes.
Variation issued EPR/WE8923AB/V004	26/03/2026	Variation issued to Dunton Technologies Limited.

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/WE8923AB

Issued to

Dunton Technologies Limited ("the operator")

whose registered office is

Soterion House Northgate
Aldridge
Walsall
West Midlands
WS9 8TH

company registration number **09223580**

to operate a regulated facility at

Bridge Street North Waste Treatment Facility
Bridge Street North
Smethwick
B66 2DP

to the extent set out in the schedules.

The notice shall take effect from 26/03/2026.

Name	Date
Rebecca Warren	**26/03/2026**

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of the application made by the operator.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/WE8923AB

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/WE8923AB/V004 authorising,

Dunton Technologies Limited ("the operator"),

whose registered office is

Soterion House Northgate
Aldridge
Walsall
West Midlands
WS9 8TH

company registration number **09223580**

to operate an installation at

Bridge Street North Waste Treatment Facility
Bridge Street North
Smethwick
B66 2DP

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

Name	Date
Rebecca Warren	**26/03/2026**

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 For the following activities referenced in schedule 1, table S1.1 AR1 to AR8, 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 AR1 to AR8, 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 AR1 to AR8, 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 red 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, S2.4a, S2.4b and S2.4c; 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 Improvement programme

2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.

2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

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.

3.4 Noise and vibration

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

3.5 Monitoring

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

(a) point source emissions specified in tables S3.1 and 3.2;

(b) process monitoring specified in table S3.3;

(c) ambient air monitoring specified in table S3.4;

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, S3.3 and S3.4 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 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.

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	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity and waste types**
AR1	R5 - Recycling/ reclamation of other inorganic compounds	Section 5.3 Part A1(a)(i) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment.	Biological treatment of hazardous waste for recovery.	From receipt of waste through to storage of treated waste. Including screening of oversize material prior to treatment. Including addition of additives. All treatment and storage shall take place on an impermeable surface with a sealed drainage system. Temporary storage of treated waste pending further treatment on-site or off-site recovery. Hazardous waste types and quantities as specified in schedule 2, table S2.2.
AR2	R5 - Recycling/ reclamation of other inorganic materials.	Section 5.3 Part A1(a)(vi) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	Recovery of soils impacted with identifiable pieces of bonded asbestos by separation.	From treatment of soils impacted with identifiable pieces of bonded asbestos, by handpicking of bonded asbestos only to storage of recovered soils and separated bonded asbestos. Handpicking shall take place in a dedicated enclosed and abated picking line on an impermeable surface with a sealed drainage system. The handpicking of asbestos impacted wastes shall not increase the asbestos fibre load in the waste. Soil impacted with asbestos shall be stored inside a building in a way that

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity and waste types**
				minimises asbestos fibre emissions. Asbestos removed from the soil shall be double-bagged and stored in a sealed locked skip. Separated bonded asbestos fragments shall be bagged whilst handpicking is in progress. Once handpicked asbestos shall be stored double bagged in sealed, closed and locked containers. Treated waste shall be stored for no longer than 6 months prior to transfer off-site. Hazardous waste types and quantities as specified in schedule 2, table S2.3.
AR3		Section 5.6 Part A1(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	Storage of hazardous waste prior to on-site treatment for the purpose of disposal (D15). Storage of hazardous waste prior to on-site treatment for the purpose of recovery (R13).	From receipt of waste through to submission for treatment. All storage shall take place on an impermeable surface with a sealed drainage system. All incoming wastes shall be stored under cover within a designated reception/ treatment areas. Maximum quantity of waste stored for treatment by bioremediation is limited to 1456 tonnes at any one time. Maximum quantity of waste stored at the reception area prior to treatment by bioremediation is limited to 403 tonnes at any one time. Maximum quantity of waste stored for treatment by asbestos picking is limited

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity and waste types**
				to 3458 tonnes at any one time. Soil impacted with asbestos shall be stored inside a building in a way that minimises asbestos fibre emissions. Waste types and quantities as specified in Tables S2.2 and S2.3.
		Directly Associated Activity		
AR4		Pre Treatment	Mechanical screening and sorting of waste to remove any materials not suitable for bioremediation	All treatment must take place on an impermeable surface with sealed drainage. No pre-treatment of asbestos impacted soils. Separated oversize fractions shall be stored separately prior to removal off site.
AR5		Storage of treated waste	Storage of treated wastes from asbestos picking and bioremediation treatment activities.	Treated waste to be stored on an area of impermeable surface with sealed drainage. No mixing of waste treated by asbestos picking with waste treated by bioremediation except where the treated asbestos waste is being accepted for bioremediation under activity AR1. Maximum quantity of waste stored after treatment by bioremediation is limited to 480 tonnes at any one time. Maximum quantity of oversize fraction stored following pre-treatment operation is limited to 500 tonnes. Maximum quantity of waste stored after treatment by

Table S1.1 activities				
Activity reference	**WFD Annex I and II operations (where applicable)**	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity**	**Limits of specified activity and waste types**
				asbestos picking is limited to 480 tonnes at any one time. Maximum quantity of asbestos is limited to 50 tonnes.
AR6		Storage of raw materials	Fuel storage and non-waste process additives	All fuels shall be stored in tanks with secondary containment at a designated location on an impermeable surface with sealed drainage. Non-waste additives used in the waste treatment process shall be stored under cover on an impermeable surface with sealed drainage.
AR7		Collection and storage of process water prior to offsite removal	Collection and storage of contaminated process water	Contaminated surface water runoff and process collected from waste storage and treatment areas, not reused in the treatment process shall be removed off site for treatment or disposal. Discharge to surface water and/or sewer is not allowed.
AR8		Abatement systems	Operation of carbon filtration units and particulate filters	All storage and treatment areas to be vented through two activated carbon absorption units fitted in series followed by a HEPA/bag filters. Treated air to be vented via the identified emission points.

Activity reference	Description of activities for waste operations	Limits of activities
AR9 – Treatment of waste to produce soil, soil substitutes and aggregate	R3: Recycling/reclamation of organic substances which are not used as solvents R5: Recycling/reclamation of other inorganic materials	Treatment is limited to sorting, separation, screening, crushing and blending of waste for recovery as a soil, soil substitute or aggregate. Treatment does not include soil or aggregate washing.

	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)	Treated waste to be stored on an area with impermeable surface with sealed drainage. No more than 75,000 tonnes of waste types listed in Table 2.4b, except soil and stones waste code 17 05 04 shall be accepted per year. Treatment of slags and ashes for recovery shall not exceed 75 tonnes per day. Wastes used to produce aggregate are limited to those waste codes and types listed in Table 2.4a. Wastes used to produce soil and soil substitutes are limited to those waste codes and types listed in Table 2.4b. No more than 50,000 tonnes in total of waste shall be stored at any one time. No more than 10,000 tonnes of waste types listed in Table 2.4c shall be stored at any one time. No waste shall be stored for longer than 12 months.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application EPR/WE8923AB/V002	Noise Management Plan, version 1, dated June 2023. Odour Management Plan, version 1, dated December 2022.	28/07/2023
Additional information received in response to the Schedule 5 Notice dated 01/11/2023	Document 'Response to Schedule 5 Notice', version 1 dated 15/12/2023 ▪ Response to question 2 detailing wastewater containment and treatment. ▪ Response to question 4 on asbestos treatment. ▪ Response to question 6 on storage of soils. ▪ Response to question 7 on point source emissions to air. ▪ Response to question 8 on operating techniques. Dust & Emissions Management Plan, version 2, dated December 2023.	15/12/2023
Application EPR/WE8923AB/V004	Response to Section 3a, Part C3 Application Form – Technical Standards, including the following documents: ▪ 'Application to Vary an Environmental Permit', version 3.0 dated 08/08/2025. ▪ 'BAT Assessment', version 01, dated December 2022.	08/08/2025

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Additional information received	Environmental Risk Assessment, version 1, dated June 2023.	16/04/2025
Additional information received	Decontamination, Storage, Handling and Segregation Procedure, dated January 2026	30/01/2026

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The operator shall provide a written report on the air extraction system for the installation for approval by the Environment Agency. The report shall include the following: • an assessment of the building fabric for potential fugitive emission routes to air, and any actions taken to rectify the potential routes. • an assessment of the air extraction system demonstrating that the building is under effective negative pressure and that all air extracted is emitted via the air filtration system. The operator shall implement the proposals within the timescale agreed with the Environment Agency.	Complete
IC2	The operator shall undertake monitoring of the carbon abatement system emissions in line with the standard in Table S3.1 and submit a report to the Environment Agency for written approval to demonstrate that the abatement systems are treating emissions to meet the emission limits specified in Table S3.1 and to validate the emission level that was used in the H1 assessment for emissions to air. The operator shall submit a revised H1 assessment and proposals to the Environment Agency for written approval along with timescales of implementation on how to improve the efficacy of the abatement system or provide alternative abatement proposals if the emission released from the abatement systems do not achieve the emission limits in Table S3.1 or is above the level used in the H1 assessment. The operator shall implement the proposals within the timescale agreed with the Environment Agency.	Within 9 months or as otherwise agreed with the Environment Agency.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
-	-

Table S2.2 Permitted waste types and quantities for AR1 Activity - Biological treatment of hazardous waste soils for recovery	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR1 shall not exceed 30,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes consisting solely or mainly of dusts, powders or loose fibres; • Waste liquids/sludge; • Waste containing hazardous levels of asbestos; • Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15. • Waste containing persistent organic pollutants (POPs).
Waste code	**Description**
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
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
17 05 05*	dredging spoil containing hazardous substances
17 05 07*	track ballast containing hazardous substances
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 04*	premixed wastes composed of at least one hazardous waste
19 02 11*	other wastes containing hazardous substances
19 03	**stabilised/solidified wastes**
19 03 04*	wastes marked as hazardous, partly stabilised other than 19 03 08
19 03 06*	wastes marked as hazardous, solidified
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 hazardous substances

Table S2.2 Permitted waste types and quantities for AR1 Activity - Biological treatment of hazardous waste soils for recovery	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR1 shall not exceed 30,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Exclusions	Wastes having any of the following characteristics shall not be accepted: • Wastes consisting solely or mainly of dusts, powders or loose fibres; • Waste liquids/sludge; • Waste containing hazardous levels of asbestos; • Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15. • Waste containing persistent organic pollutants (POPs).
Waste code	**Description**
19 13	**wastes from soil and groundwater remediation**
19 13 01*	solid wastes from soil remediation containing hazardous substances

Table S2.3 Permitted hazardous waste types and quantities for AR2 Activity of Table S1.1 – Manual picking of asbestos waste	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR2 shall not exceed 110,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
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 asbestos in the soil must be <0.01% w/w); ▪ Waste liquids; ▪ Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15; and ▪ Wastes consisting solely or mainly of dusts, powders or loose fibres.
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* and 17 06 05*	soil and stones containing hazardous substances which are impacted with 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 07* and 17 06 05*	track ballast containing hazardous substances containing hazardous substances which are impacted with 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 09	**other construction and demolition wastes**
17 09 03* and 17 06 05*	other construction and demolition wastes (including mixed wastes) containing hazardous substances which are impacted with identifiable pieces of bonded

Table S2.3 Permitted hazardous waste types and quantities for AR2 Activity of Table S1.1 – Manual picking of asbestos waste	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR2 shall not exceed 110,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
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 asbestos in the soil must be <0.01% w/w); ▪ Waste liquids; ▪ Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15; and ▪ Wastes consisting solely or mainly of dusts, powders or loose fibres.
Waste code	Description
	asbestos (any particle of a size that can be identified as potentially being asbestos by a competent person, if examined by the naked eye)
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 13	**wastes from soil and groundwater remediation**
19 13 01* and 17 05 06*	solid wastes from soil remediation containing hazardous substances containing hazardous substances which are impacted with 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)

Table S2.4a Permitted waste types and quantities for AR9 Activity - Treatment of waste to produce soil, soil substitutes and aggregate – waste codes and descriptions for the production of aggregates	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR9 shall not exceed 75,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Waste code	**Description**
01	**WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AMD CHEMICAL TREATMENT OF MINERALS)**
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 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**
02 02 02	shellfish shells from which the soft tissue or flesh has been removed
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 01	bottom ash and slag
10 01 02	pulverised fuel ash
10 01 15	bottom ash and slag from co-incineration other than those mentioned in 10 01 14

Table S2.4a Permitted waste types and quantities for AR9 Activity - Treatment of waste to produce soil, soil substitutes and aggregate – waste codes and descriptions for the production of aggregates	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR9 shall not exceed 75,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Waste code	**Description**
10 02	**wastes from the iron and steel industry**
10 02 01	blast furnace slag filter bed media free from sewage contamination
10 11	**wastes from manufacture of glass and glass products**
10 11 12	clean glass other than those mentioned in 10 11 11
10 12	**wastes from manufacture of ceramic goods, bricks, tiles and construction products**
10 12 08	ceramics, bricks, tiles and construction products (after thermal processing)
10 13	**wastes from manufacture of cement, lime and plaster and articles and products made from them**
10 13 14	concrete
15	**WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 01	**packaging (including separately collected municipal packaging waste)**
15 01 07	clean glass
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	**wood, glass and plastic**
17 02 02	clean glass
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	road base and road planings (other than those containing coal tar)
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 including stone filter media free from sewage contamination
17 05 06	dredging spoil other than those mentioned in 17 05 05 (sand and aggregate only)
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	**other construction and demolition wastes**
17 09 04	mixtures of soil, bricks, stones and concrete
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 08	**wastes from waste water treatment plants not otherwise specified**
19 08 02	washed sewage grit (waste from desanding) free from sewage contamination

Table S2.4a Permitted waste types and quantities for AR9 Activity - Treatment of waste to produce soil, soil substitutes and aggregate – waste codes and descriptions for the production of aggregates	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR9 shall not exceed 75,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Waste code	**Description**
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 05	glass free from contamination
19 12 09	minerals (for example sand, stones)
19 12 12	Incinerator bottom ash aggregate (IBAA)
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 free from contamination
20 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Table S2.4b Permitted waste types and quantities for AR9 Activity - Treatment of waste to produce soil, soil substitutes and aggregate – waste codes and descriptions for the production of soils and soil substitutes	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR9 shall not exceed 75,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Waste code	**Description**
01	**WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AMD CHEMICAL TREATMENT OF MINERALS)**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 09	waste sand and clays
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	soil from cleaning and washing vegetables
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	soil from cleaning and washing vegetables
02 04	**wastes from sugar processing**
02 04 01	soil from cleaning and washing beet
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**

Table S2.4b Permitted waste types and quantities for AR9 Activity - Treatment of waste to produce soil, soil substitutes and aggregate – waste codes and descriptions for the production of soils and soil substitutes	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR9 shall not exceed 75,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Waste code	**Description**
03 01 01	bark and cork
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	bark and wood
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 05	gypsum (solid)
10 01 07	gypsum (sludge)
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 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 08	**gypsum-based construction material**
17 08 02	gypsum other than that mentioned in 17 08 01
17 09	**other construction and demolition wastes**
17 09 04	mixtures of soil, bricks and concrete
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 05	**wastes from aerobic treatment of solid wastes**
19 05 03	compost from source segregated biodegradable waste
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 02	sludges from water clarification
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 09	minerals (sand)
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
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 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Table S2.4c Permitted waste types and quantities for AR9 Activity - Treatment of waste to produce soil, soil substitutes and aggregate – wastes subject to further limits	
Maximum quantity	The total quantity of waste accepted at the site for storage and treatment under AR9 shall not exceed 75,000 tonnes per year. The total annual throughput of all wastes at the site shall not exceed 110,000 tonnes.
Waste code	**Description**
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	bark and cork
03 03	**wastes from pulp, paper and cardboard production and processing**
03 03 01	bark and wood
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 05	gypsum (solid)
10 01 07	gypsum (sludge)
10 01 15	bottom ash and slag from co-incineration other than those mentioned in 10 01 14
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 06	dredging spoil other than those mentioned in 17 05 05
17 08	**gypsum-based construction material**
17 08 02	gypsum other than that mentioned in 17 08 01
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 05	**wastes from aerobic treatment of solid wastes**
19 05 03	compost from source segregated biodegradable waste
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 02	sludges from water clarification
19 12	**wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified**
19 12 12	incinerator bottom ash aggregate (IBAA)
19 13	**wastes from soil and groundwater remediation**
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
Emission monitoring point A2 shown in the Site Layout Drawing, Figure No 2, Revision 1.0 dated April 2025	Abatement units at the biopad	Dust	5 mg/Nm^3	Average over sample period	Once every 6 months	BS EN 13284-1
		Total Volatile Organic Compounds (VOCs)	40 mg/Nm^3			BS EN 12619
		Odour concentration	1000 ou$_E$/Nm^3			EN 13725
Emission monitoring points A1, A3 and A4 shown in the Site Layout Drawing, Figure No 2, Revision 1.0 dated April 2025	Abatement units at the asbestos storage bays, hopper and treatment cabin	Dust	5 mg/Nm^3	Average over sample period	Once every 6 months	BS EN 13284-1
		Asbestos fibres	0.1 fibre/ml	Hourly average	Monthly (Note 1)	ISO 10397: 1993
Note 1: To the extent possible, the measurements shall be carried out at the highest expected emission state under normal operating conditions.						

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method**
S1 shown in the drawing Site Layout Drawing, Figure No 2, Revision 1.0 dated April 2025	Uncontaminated Water Discharge Point	Oil/grease	No visible oil/grease	None	None	None

Table S3.3 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Carbon filters	Carbon bed temperature – inlet and outlet	Daily	Temperature probe	Carbon filters to be replaced in accordance with manufacturer's recommendations. Equipment shall be calibrated on a 4 monthly basis, or as agreed in writing by the Environment Agency.
	Gas flow rate – inlet and outlet		Gas flow meter	
	Moisture or humidity		Moisture meter	
	Back pressure		Recognised industry method	
	Efficiency assessment	Annual	Emission removal efficiency (BS EN 13725 for odour removal)	
Soil biopiles	pH Temperature Moisture Oxygen levels Nutrient concentrations	Spot sample	Hand probe	
	Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAHs) Total Volatile Organic Compounds (VOCs) Phenols pH	Each completed batch of treated soil shall be subject to representative sampling		Laboratory must be accredited to EN ISO/IEC ISO17025:2000 for the analysis specified Samples to be obtained using standard sampling procedures as per BS 812.

Table S3.4 Ambient air monitoring requirements					
Emission point reference or source or description of point of measurement	**Parameter**	**Limit**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Outside air testing when asbestos contaminated soils are being received, handled and moved within the site	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.	1 hour at 8 l/min During receipt, handling and movement of asbestos contaminated soil within the site.	In line with M17 monitoring guidance. While asbestos contaminated soils are being received, handled and moved within the site. • Pumped sampling • 1 m above ground level • Flow rate = 8 litres/minute • Minimum sample volume = 480 litres • Filter pore size = 0.8-1.2 µm Asbestos fibre limit of detection = 0.001 fibres/ml.	-
At the fugitive Emissions Monitoring Stations shown in the Site Layout Drawing, Figure No 2, Revision 1.0 dated April 2025	Odour	-	Daily unless otherwise agreed in writing with the Environment Agency	-	
	Dust	200 mg/m^2/day applicable over monthly average	Continuous	In line with M17 monitoring guidance	

Schedule 4 – Reporting

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Emissions to air (from gas abatement plant) Parameters as required by condition 3.5.1.	A1, A2, A3 and A4 shown on the Site Layout Drawing, Figure No 2, Revision 1.0 dated April 2025	Every 6 months	1 January, 1 July
Process monitoring Parameters as required by condition 3.5.1	Carbon filters and soil biopiles	Every 12 months	1 January
Ambient air monitoring Parameters as required by condition 3.5.1	Downwind of the asbestos treatment area and at the fugitive Emissions Monitoring Stations shown on the Site Layout Drawing, Figure No 2, Revision 1.0 dated April 2025	Every 3 months	1 January, 1 July

Table S4.2: Annual production/treatment	
Parameter	**Units**
Bioremediation treatment	tonnes
Asbestos picking treatment	tonnes
Waste soils treated	tonnes
Hazardous waste recovered	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**
Emissions to Air	Emissions to Air Reporting Form or other form as agreed in writing by the Environment Agency	Version 2, February 2026
Ambient air monitoring	Ambient Air Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 2, February 2026

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Process monitoring	Process Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 2, February 2026
Water usage	Water Usage Reporting Form or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance indicators	Other Performance Parameters Reporting Form or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Waste Returns	E-waste Returns Form or other form as agreed in writing by the Environment Agency	--

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	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	
Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

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

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

Part B – to be submitted as soon as practicable

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

Name*	
Post	

Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

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

“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.

“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.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

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

“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 the Waste Framework Directive.

“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, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

“year” means calendar year ending 31 December.

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 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, table 2.2, S2.3, for that table/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

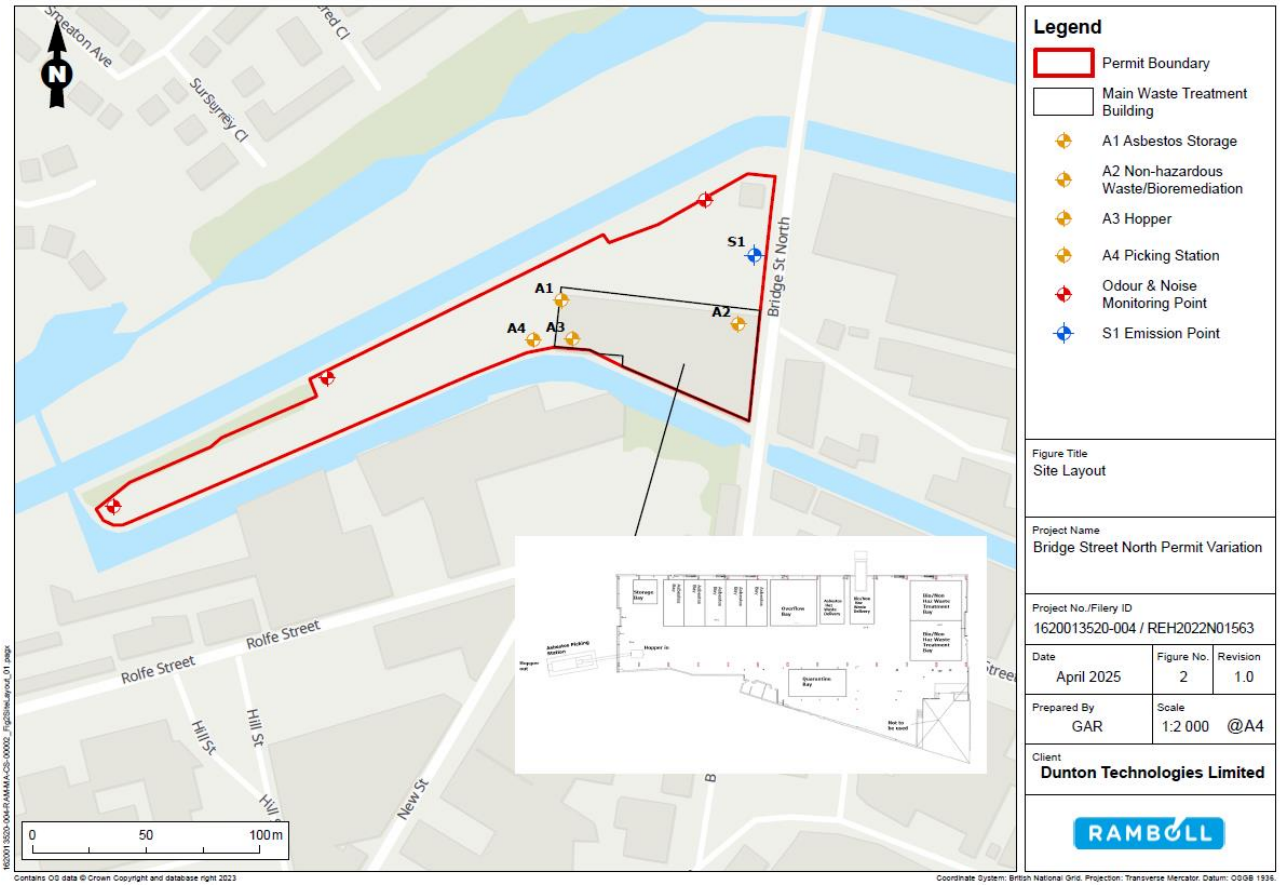
‘heavy metal’ means any compound of antimony, arsenic, cadmium, chromium (VI), copper, lead, mercury, nickel, selenium, tellurium, thallium and tin, as well as these materials in metallic form, as far as these are classified as hazardous substances

‘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



END OF PERMIT

Emissions to Air Reporting Form

Permit number: *[EPR/AB1234CB]* **Operator:** *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]* **Emissions to Air Reporting Form: version 2, February 2026**

Reporting of emissions to air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Measurement uncertainty [4]
[e.g. A1]	*[e.g. Oxides of nitrogen (NO and NO_2 expressed as NO_2)]*	*[e.g. 200 mg/m^3]*	*[e.g. daily average]*	*[e.g. BS EN 14181]*	*[State result]*	*[State relevant dates and time periods]*	*[State % uncertainty at 95% confidence interval]*

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Ambient Air Monitoring Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Ambient Air Monitoring Form: version 2, February 2026

Reporting of monitoring ambient air for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Monitoring point	Substance / parameter	Compliance limit	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Measurement uncertainty [4]
[e.g. P1]	*[e.g. PM_{10} suspended particulate matter]*	*[e.g. 50 $\mu g/m^3$]*	*[24 hour average]*	*[e.g. BS EN 12341:2014]*	*[State result]*	*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Process Monitoring Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Process Monitoring Form: version 2, February 2026

Reporting of process monitoring for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Monitoring point description or source	Parameter	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Measurement uncertainty [4]
[e.g. Condenser V 2345]	*[e.g. cooling water outlet temperature]*	*[e.g. instantaneous]*	*[if applicable]*	*[State result]*	*[State relevant dates and time periods]*	*[if applicable]*

Operator's comments

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your monitoring results.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Complete columns 1 to 5 using the information from schedule 3 of your permit. Complete columns 6 to 8 with your monitoring data. Add additional rows as necessary.

[1] Where an internationally recognised standard test method is used, give the reference number. Where another method that has been formally agreed with the Environment Agency, give the appropriate identifier. In other cases state the principal technique, for example gas chromatography.
[2] Give the result as the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, give the result as the 'minimum to maximum' of the measured values.
[3] For non-continuous measurements give the date and time of the sample that produced the result. For continuous measurements give the percentage of the process operating time covered by the result.
[4] Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Water Usage Reporting Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Water Usage Reporting Form: version 1, 08/03/2021

Reporting of water usage for the year *[YYYY]*

Water source	Water usage (m^3)	Specific water usage (m^3/unit) [2]
Mains water	*[insert annual usage in m^3 where mains water is used]*	*[insert annual usage in m^3/unit where mains water is used]*
Site borehole	*[insert annual usage in m^3 where water is used from a site borehole]*	*[insert annual usage in m^3/unit where water is used from a site borehole]*
River abstraction	*[insert annual usage in m^3 where abstracted river water is used]*	*[insert annual usage in m^3/unit where abstracted river water is used]*
Other – *[specify other water source where applicablel. Add extra rows where needed]*	*[insert annual usage in m^3 where applicable]*	*[insert annual usage in m^3/unit where applicable]*
Total water usage	*[insert total annual water usage in m^3]*	*[insert total annual water usage in m^3/unit]*

Operator's comments

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual water usage.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

Energy Usage Reporting Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Energy Usage Reporting Form: version 1, 08/03/2021

Reporting of energy usage for the year *[YYYY]*

Energy source	Energy consumption / production (MWh)	Specific energy consumption (MWh/unit) [2]
Electricity imported as delivered - source [specify source, e.g. supplied from the national grid]	*[insert annual consumption in MWh where electricity is imported]*	*[insert annual consumption in MWh/unit where electricity is imported]*
Electricity imported as primary energy 1 – conversion factor of [specify conversion factor used to convert electricity delivered to primary energy]	*[insert annual consumption in MWh where electricity is imported]*	*[insert annual consumption in MWh/unit where electricity is imported]*
Natural gas	*[insert annual consumption in MWh where natural gas is used]*	*[insert annual consumption in MWh/unit where natural gas is used]*
Gas oil – conversion factor of [specify conversion factor used to convert tonnes to MWh]	*[insert annual consumption in MWh where gas oil is used]*	*[insert annual consumption in MWh/unit where gas oil is used]*
Imported heat	*[insert annual consumption in MWh where heat is imported]*	*[insert annual consumption in MWh/unit where heat is imported]*
Other – *[specify other energy source and conversion factors where applicable, e.g. renewable fuel. Add extra rows where needed]*	*[insert annual consumption in MWh where applicable]*	*[insert annual consumption in MWh/unit where applicable]*
Electricity exported	*[insert annual production in MWh where electricity is exported]*	Not applicable
Heat exported	*[insert annual production in MWh where heat is exported]*	Not applicable

Operator's comments

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report your annual energy usage.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. Add additional rows as necessary.

[1] Multiply delivered electricity by 2.4 to convert to primary energy where the electricity is supplied from the national grid. If the electricity is supplied from another source, specify the conversion factor used. Add additional rows as needed if electricity is imported from multiple sources.
[2] Divide energy consumption by an appropriate unit of raw material processed or product output.

Other Performance Parameters Reporting Form

Permit number: *[EPR/AB1234CB]* **Operator:** *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]* **Other Performance Parameters Reporting Form: version 1, 08/03/2021**

Reporting of other performance parameters for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Parameter	Units
[e.g. Total raw material usage]	*[e.g. tonnes per production unit]*

Operator's comments

Signed: *[Name]* **Date:** *[DD/MM/YY]*

(Authorised to sign as representative of the operator)

Guidance for use: Use this form to report the performance parameters (other than water and energy) required by your permit.
Example text is shown in bracketed grey italics. Replace the example text by entering your own site specific information. The parameters to report and units to be used can be found in the 'Performance parameters' table in schedule 4 of your permit. Add additional rows as necessary.