Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Keltbray AWS Limited

Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX

Variation application number

EPR/FP3092LH/V005

Permit number

EPR/FP3092LH

Mohawk Wharf Recycling Facility
Permit number EPR/FP3092LH

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.

Mohawk Wharf is a waste recovery, recycling, treatment and transfer station for construction, demolition and excavation waste located on the River Thames (central grid reference TQ40395 79796). The site can accept hazardous and non-hazardous waste at an annual throughput of 150,000 tonnes.

This variation authorises the following changes to the permit:

- The addition of asbestos treatment and storage activities in the western section of the site.
- The addition of asbestos containing wastes in the list of waste types accepted at this facility.

The new asbestos treatment activity constitutes a picking line whereby trained operatives pick visible asbestos fragments from asbestos containing wastes on a conveyor belt. The management of waste in this building is compliant with BAT measures for dusty wastes and is controlled by a dust emissions management plan. All asbestos containing waste loads are only deposited in the building when the building doors are closed. The waste is dampened during this process and is dampened frequently throughout the treatment. The treatment building will be held under negative pressure and benefit from air abatement in the form of a high efficiency particulate air (HEPA) filter. This filter removes airborne asbestos fibres from the air extracted from the building. Four asbestos monitoring points surround the building ensuring any escape of asbestos fibres is identified. Monitoring is carried out in line with M17 guidance on the monitoring of particulate matter in ambient air.

As well as treatment of asbestos containing wastes the site is also a non-hazardous and hazardous soil treatment facility. The soil wastes that are treated at the site are primarily derived from construction sites. Loads are initially weighed, then classified and segregated by an on-site chemist. The assessment of wastes from the construction sites are measured against the installation site acceptance criteria. Soil is then stored according to the level of contamination. Stockpiles are kept segregated to prevent cross contamination. Prior to treatment, materials may be screened to remove oversized materials.

Soil treatment techniques are selected depending on the concentration of the contaminants in the soil. Soil suitable for biological treatment is stockpiled in biopiles in the treatment areas and, where required, treated by spraying with additives to enhance the biodegradation of hydrocarbons. Biopiles are then covered with an impermeable liner. Aeration via machine blower is also undertaken if necessary. Other treatments include soil stabilisation. Stockpiles are tested weekly by the site chemist. After reaching the site specific criteria the soils are transported to the Thames Wharf, loaded on to barges and transported to suitable facilities for recovery or disposal.

Maximum storage capacity for the site is not changing as a result of this variation and remains at 10,000 tonnes. All waste storage and treatment takes place on an impermeable pavement with sealed drainage. All leachate collected within the treatment area is treated via the on-site water treatment plant and either re-used on site or tankered off site.

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 received EPR/FP3092LH/A001	Duly Made 05/10/2009	Application for standard rules application SR2008No11_75kte.
Permit determined EPR/FP3092LH	11/12/2009	Permit issued to Keltbray AWS Limited.
Application received EPR/FP3092LH/V002	Duly Made 05/10/2010	Application to vary from standard rules conditions to bespoke conditions to allow 70,000 tonnes a year of hazardous and non-hazardous construction, demolition and excavation waste.
Additional Information received	05/11/2010	
Variation determined EPR/FP3092LH/V002	21/12/2010	Permit issued to Keltbray AWS Limited
Application EPR/FP3092LH/V004 (variation and consolidation)	Duly made 27/11/2014	Application to vary permit to include bioremediation treatment and update the permit to modern conditions.
Response to Schedule 5 sent 27/01/2015	09/03/2015	Response to all questions detailing pre-acceptance procedures; waste acceptance procedures; waste classification, segregating and monitoring; waste rejection; record keeping and auditing; waste storage, sampling procedures; and treatment and all referenced supporting documentation.
Response to Schedule 5 sent 27/01/2015 and request for further information sent 19/03/2015	02/04/2015	Response to all questions detailing waste acceptance procedures; dust suppression on site and treatment of non-hazardous waste.
Variation determined EPR/FP3092LH/V003	28/04/2015	Varied and consolidated permit issued in modern condition format.
Application EPR/FP3092LH/V004 (variation)	Duly made 12/08/2016	Variation to increase the annual throughput of waste, increase the installation boundary and add two part B activities.
Response to Schedule 5 sent 22/09/2016	18/10/2016	Historic maps, photographs of the site surface condition, responses to questions raised.
Variation determined EPR/FP3092LH/V004 (Billing Ref: MP3730DZ)	02/12/2016	Varied permit issued.
Application EPR/FP3092LH/V005 (variation and consolidation)	Duly made 26/02/2021	Application to add an asbestos treatment activity.
Response to schedule 5 sent 29/03/2021	30/04/2021	Waste rejection procedure and responses to questions regarding BAT measures.
Additional information received	08/06/2021	Confirmation storage is within enclosed building, waste acceptance procedures, update risk assessment, waste segregation procedure, responses to questions with regards to BAT
Additional information received	01/07/2021	Final Dust management plan and accident management plan provided.
Additional information received	12/07/2021	Confirmation of correct site plan.

Additional information received	28/07/2021	Additional information supplied with regards to PM10 removal efficiency of HEPA filter.
Variation determined and consolidation issued EPR/FP3092LH/V005 (Billing ref: ZP3204LU)	02/08/2021	Varied and consolidated permit issued in modern format.

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/FP3092LH

Issued to

Keltbray AWS Limited ("the operator")

whose registered office is

St. Andrew's House
Portsmouth Road
Esher
Surrey
KT10 9TA

company registration number 04836483

to operate a regulated facility at

Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX

to the extent set out in the schedules.

The notice shall take effect from 02/08/2021

Name	Date
Maxine Evans	**02/08/2021**

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/FP3092LH

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/FP3092LH/V005 authorising,

Keltbray AWS Limited ("the operator"),

whose registered office is

St. Andrew's House
Portsmouth Road
Esher
Surrey
KT10 9TA

company registration number 04836483

to operate an installation at

Mohawk Wharf Recycling Facility
Bradfield Road
Silvertown
London
E16 2AX

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

Name	Date
Maxine Evans	**02/08/2021**

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 2.4; 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 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 table S3.1.

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;

(b) ambient air monitoring specified in table S3.2;

(c) 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.

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.

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.

4.3.7 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

(a) a decision by the Secretary of State not to re-certify the agreement;

(b) a decision by either the operator or the Secretary of State to terminate the agreement; and

(c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

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

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
AR1	S5.3 A(1)(a)(i) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment	Ex-situ bioremediation of hazardous waste soil R3: Recycling / reclamation of organic substances which are not used as solvents (including other biological transformation processes)	Treatment operations shall be limited to: • Biological treatment of hazardous contaminated wastes by bioremediation and biopiles. • Pre-treatment operations including sorting, segregation, screening in order to facilitate remedial action. Treatment of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage. Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous wastes. Storage shall not exceed 10,000 tonnes. Treatment of hazardous waste by bioremediation shall not exceed 50,000 tonnes per annum. Waste types as specified in table S2.2. Notwithstanding the waste types permitted in table S2.2 wastes which have any of the following characteristics shall not be accepted for the bioremediation process: • waste with hazardous properties due to presence of heavy metals; • waste comprised or contaminated with asbestos; • liquid waste.
AR2	S5.4 A(1)(a)(i) Disposal or recovery of non-hazardous waste with a capacity exceeding 50 tonnes per	R3: Recycling/reclamation of organic substances which are not used as solvents (including other	Treatment of non-hazardous contaminated wastes for recovery consisting only of:

	day involving biological treatment	biological transformation processes)	Pre-treatment operations including sorting, segregation, screening in order to facilitate remedial action. Treatment of all non-hazardous wastes shall be carried out on an impermeable pavement with sealed drainage. Storage of all non-hazardous wastes shall be carried out on an impermeable pavement with sealed drainage. Treatment shall not include blending or mixing of hazardous wastes or hazardous wastes with non-hazardous wastes. Storage by bioremediation shall not exceed 10,000 tonnes. Treatment of non-hazardous waste by bioremediation shall not exceed 100,000 tonnes per annum. Waste types as specified in Table S2.3. Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted: • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be odorous.
AR3	S5.3 A1(a)(vi) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	R5: Recycling/reclamation of other inorganic materials	From receipt of waste through to storage of treated waste. Treatment in a dedicated enclosed and abated picking line. All treatment and storage shall take place on an impermeable surface with a sealed drainage system. Treatment of hazardous waste through the picking line shall not exceed 50,000

			tonnes per annum. Asbestos removed from the soil shall be double-bagged and stored in a sealed locked skip. Hazardous waste types and quantities as specified in Table S2.4.
AR4	S5.6 A(1)(a) Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes	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)	Storage of all hazardous wastes shall be carried out on an impermeable pavement with sealed drainage. Storage shall not exceed 10,000 tonnes. Waste types as specified in table S2.2 and S2.4. Notwithstanding the waste types permitted in table S2.2 and S2.4 wastes which have any of the following characteristics shall not be accepted for the bioremediation process: • waste with hazardous properties due to presence of heavy metals; • waste comprised or contaminated with asbestos; • liquid waste. All storage of asbestos containing waste shall be within the asbestos treatment building.
AR5	Section 3.5 Part B (a) The screening of any designated mineral or mineral product	Post treatment screening of non-hazardous waste to remove any materials which are not suitable for use R5: Recycling / reclamation of inorganic materials other than metals and metal compounds	All treatment must take place on an impermeable surface with sealed drainage. Wastes types and quantities as specified within table S2.3 Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted: • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be

			odorous. Wastes likely to give rise to dusts should be: • sheeted for transport to/from the installation; • subject to dust suppression and management during storage; • conditioned with water prior to internal transfer.
AR6	Section 3.5 Part B (d) Screening the product of any activity described in paragraph (c) (*bricks, tiles or concrete*).	Post treatment screening of non-hazardous waste to remove any materials which are not suitable for use R5: Recycling / reclamation of inorganic materials other than metals and metal compounds	All treatment must take place on an impermeable surface with sealed drainage. Wastes types and quantities as specified within table S2.3 Notwithstanding the waste types permitted in table S2.3 wastes which have any of the following characteristics shall not be accepted: • waste comprised or contaminated with asbestos; • wastes comprised solely or mainly of dusts or powders; • wastes which are odour producing or likely to be odorous. Wastes likely to give rise to dusts should be: • sheeted for transport to/from the installation; • subject to dust suppression and management during storage; • conditioned with water prior to internal transfer.
Directly Associated Activity			
AR7	Screening of waste	Screening of waste to remove any materials which are not suitable for use in treatment R5: Recycling / reclamation of inorganic materials other than metals and metal compounds	All treatment must take place on an impermeable surface with sealed drainage. No wastes containing asbestos shall be treated under this activity.
AR8	Temporary storage of non-hazardous waste pending recovery	R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary	All storage must take place on an impermeable surface with sealed drainage. Waste only as per tables

		storage, pending collection, on the site where it is produced)	S2.3.
AR9	Abatement systems	High efficiency particulate air (HEPA) filter	From the extraction of air from the asbestos treatment building to treatment of air and release to atmosphere.

Table S1.2 Operating techniques		
Description	**Description**	**Description**
Additional information EPR/FP3092LH/V002	Process Flow Diagram.	21/12/2010
Application EPR/FP3092LH/V003	Responses to Parts C2 and C3 of the application form and all referenced supporting documentation.	27/11/2014
Response to Schedule 5 Notice dated 27/01/2015	Response to all questions detailing pre-acceptance procedures; waste acceptance procedures; waste classification, segregating and monitoring; waste rejection; record keeping and auditing; waste storage, sampling procedures; and treatment and all referenced supporting documentation: • *KBY_MW_SWP_001Rev04 – Site Working Plan.* Keltbray Environmental. 19/02/2015 • *KBY_MW_PPC_PTS_001Rev001 – Procedures for the treatment of soils. 02/09/2013*	09/03/2015
Response to Schedule 5 Notice dated 27/01/2015 and Request for Further Information dated 19/03/2015	Response to all questions detailing waste acceptance procedures; waste treatment; activated carbon treatment unit, dust suppression and all referenced supporting documentation.	02/04/2015
Application EPR/FP3092LH/V004	Responses to Parts C2 and C3 of the application forms and all referenced supporting documentation. Including additional documents submitted; Annual Max Waste Additional EWC Code Barge loading procedure Ground investigation reports Site boundary and drainage plan Barge loading risk assessment H5 Site condition report	Duly made 12/08/2016 12/08/2016 12/08/2016 04/08/2016 14/07/2016 14/07/2016 14/07/2016 14/07/2016
Response to Schedule 5 Notice dated 22/09/2016	Historical maps, photographs of the site surface, responses to questions raised.	18/10/2016
Application	Technical documents references in response to section 3a – technical standards, Part C3 of the application form.	Duly Made 26/02/2021
Response to Schedule 5 Notice dated 29/03/2021	Documents provided in response to schedule 5 request for information referenced: • KE-COMP-PRO-007 – Waste rejection Procedure Rev02 • KE-COMP-PRO-006- Document Control for CDE Waste Procedure	30/04/2021
Additional information	Documents provided in response to requests for further information dated 25/05/2021 and 04/06/2021 referenced:	08/06/2021

	• KE-COMP-PRO-001 – Materials Acceptance Procedure for Mohawk Wharf Rev03 • KE-COMP-PRO-004 – Waste Segregation Procedure for Mohawk Wharf REV05 • C3. KE-COMP-PRO-008 – Asbestos in the Soils Rev02	
Additional information	Documents provided in response to requests for further information dated 18/06/2021 referenced: • KE-COMP-PLN-011 Mohawk Wharf Dust Management Plan REV04 • KE-COMP-PLN-010 Mohawk Wharf Emergency Preparedness Plan V3	01/07/2021

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The Operator shall submit a proposal for monitoring particulates (PM_{10}) at the installation boundary to the Environment Agency for approval. The proposal should include but not be limited to; • Detail of how the monitoring will be undertaken • A map showing the sampling locations • The planned frequency of monitoring, for a period of at least 12 months • The competency of the staff undertaking the monitoring, and relevant training / certificates • The calibration certificates of the monitoring equipment • Commitment to a date when the report and raw data will be submitted to the Environment Agency. The Operator should refer to the Environment Agency's guidance: M17 – Monitoring of particulate matter in ambient air around waste facilities.	Complete
IC2	Following completion of IC1 and 12 months of dust monitoring. The operator shall submit a report demonstrating the efficiency of the dust abatement measures to the Environment Agency for approval. The report shall include but not be limited to; • A report summarising the findings along with a timetable for any improvements identified • Raw data • Considerations to enclosing the stockpiles at the installation. The Operator shall implement any necessary improvements to a timetable agreed in writing with the Environment Agency.	Complete
IC3	During commissioning of the new asbestos treatment building, the operator shall carry out tests to assess whether the air monitoring location(s) meet the requirements of BS EN 15259 and supporting Method Implementation Document (MID). A written report shall be submitted for approval setting out the results and conclusions of the assessment including where necessary proposals for improvements to meet the requirements. Where notified in writing by the Environment Agency that the requirements are not met, the operator shall submit proposals or further proposals for rectifying this in accordance with the time scale in the notification.	02/11/2021

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	The proposals shall be implemented in accordance with the Environment Agency's written approval.	
IC4	The Operator shall undertake 6 months of dust, particulate matter and asbestos monitoring for both the point source emission point A1 and the ambient air on site in line with M17 guidance. Using this monitoring data the Operator will submit a report to the Environment Agency for written approval. The report shall contain but not be limited to the following elements: • A review of the effectiveness of the dust management plan along with an assessment of whether ambient air monitoring environmental standards for total suspended particulates and asbestos fibres are being achieved in line with our guidance on air emissions risk assessment for your environmental permit. • Identification of any further dust and particulate matter abatement measures that are needed and proposed timescales for implementation of these measures. The Operator shall implement any further abatement measures in line with the timescales agreed with the Environment Agency.	02/04/2022

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 activity AR1 and AR4 – temporary storage and treatment of hazardous waste by means of biological treatment	
Maximum quantity	**Total annual throughput for the site shall not exceed 50,000 tonnes per annum of hazardous waste**
Waste code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 05	**drilling muds and other drilling wastes**
01 05 05*	oil-containing drilling muds and wastes
01 05 06*	drilling muds and other drilling wastes containing dangerous substances
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances
17 02	**wood, glass and plastic**
17 02 04*	glass, plastic and wood containing or contaminated with dangerous substances
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 01*	bituminous mixtures containing coal tar
17 03 03*	coal tar and tarred products
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 03*	soil and stones containing dangerous substances
17 05 05*	dredging spoil containing dangerous substances
17 05 07*	track ballast containing dangerous substances
17 09	**other construction and demolition wastes**
17 09 03*	other construction and demolition wastes (including mixed wastes) containing dangerous substances
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE 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*	solid wastes from soil remediation containing dangerous substances

Table S2.3 Permitted waste types and quantities for activity AR2, AR5 & AR6 – treatment of non-hazardous waste by means of biological treatment or shredding	
Maximum quantity	**Total annual throughput for the site shall not exceed 100,000 tonnes per annum of non-hazardous waste**
Waste code	**Description**
17	**CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)**
17 01	**concrete, bricks, tiles and ceramics**
17 01 01	concrete
17 01 02	bricks
17 01 03	tiles and ceramics
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
17 02	**wood, glass and plastic**
17 02 01	wood
17 02 02	glass
17 02 03	plastic
17 03	**bituminous mixtures, coal tar and tarred products**
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
17 05	**soil (including excavated soil from contaminated sites), stones and dredging spoil**
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 08	track ballast other than those mentioned in 17 05 07
17 09	**other construction and demolition wastes**
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE 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 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 02	**garden and park wastes (including cemetery waste)**
20 02 02	soil and stones

Table S2.4 Permitted waste types and quantities for AR3 and AR4 – temporary storage and physical treatment of asbestos containing waste.	
Maximum quantity	**Total annual throughput for the site shall not exceed 50,000 tonnes per annum of hazardous waste**
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; Odorous wastes; 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); and Wastes with hazard codes HP1, HP2, HP3, HP9, HP12, HP15.
Waste code	**Description**
17	
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 04 and 17 06 05*	soil and stones other than those mentioned in 17 05 03 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 asbestos (any particle of a size that can be identified as potentially being asbestos by a competent person if examined by the naked eye)

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 (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A1 [Point A1 on site plan in Schedule 7]	HEPA filter abatement plant serving asbestos treatment building.	Asbestos fibres	--	--	--	--
		Dust	5 mg/m^3	Average over sample period	Once every 6 months	In accordance with BS EN 13284-1

Table S3.2 Ambient air monitoring requirements					
Location or description of point of measurement	**Parameter**	**Limit**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
M1, M2, M3 and M4 within dust emissions management plan referenced in table S1.2	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	Every 4 hours during handling or treatment of asbestos	In line with M17 monitoring guidance	The monitoring shall be carried out to the following specifications: • 1m above ground level • Flow rate = 2 litres/ minute • Minimum sample volume = 480 litres • Filter pore size = 1.2µm • Asbestos fibre limit of detection = 0.01 fibres/ ml
PM1 within dust emissions management plan referenced in table S1.2	Total suspended particulates (TSP) unless otherwise agreed in writing with the Environment Agency	As agreed in line with Dust management plan referenced in table 1.2	Continuous	In line with M17 monitoring guidance	Monitoring equipment should meet the MCERTS performance standards for indicative ambient particulate monitors or similar standard agreed in writing with the Environment Agency. The equipment shall be calibrated in accordance with the manufacturer's recommendations or 6 monthly, whichever is first.

Table S3.2 Ambient air monitoring requirements					
Location or description of point of measurement	**Parameter**	**Limit**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
					The system must be managed and maintained by suitably trained personnel. The system must obtain representative data that must accurately reflect PM10 levels produced by the site's activities.

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**
Soil biopiles	Total Petroleum Hydrocarbons (TPH) Polycyclic Aromatic Hydrocarbons (PAH's) Pentachlorophenol (PCP) Note 1 Total Volatile Organic Compounds (VOC's) Phenols pH	Each completed batch of treated soil shall be sampled	-	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

Note 1: Only if PCP contaminated soils are received for treatment

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**
Point source emissions to air Parameters as required by condition 3.5.1	A1	Every 6 months	1 January, 1 July
Ambient air monitoring Parameters as required by condition 3.5.1	M1, M2, M3, M4 and PM1	Every 3 months	1 January, 1 April, 1 July, 1 October
Process monitoring requirements – contaminated soils Parameters as required by condition 3.5.1.	Biopile – Composite soil sample Total Petroleum Hydrocarbons (TPH), Polycyclic Aromatic Hydrocarbons (PAHs), Pentachlorophenol (PCP) (see Note 1), Total Volatile Organic Compounds (VOC's), Phenols and pH	Every 3 months	1 January, 1 April, 1 July, 1 October

Table S4.2: Annual production/treatment	
Parameter	**Units**
Bioremediation treatment	tonnes
Asbestos picking treatment	tonnes
Hazardous waste IN	tonnes
Hazardous waste OUT	tonnes
Waste recycled	tonnes
Waste disposed	tonnes

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

Table S4.4 Reporting forms		
Parameter	**Reporting form**	**Form version number and date**
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Ambient air monitoring	Ambient Air Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
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 parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

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.

“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 the Waste Framework Directive.

“emissions to land” includes emissions to groundwater.

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

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

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

“Hazardous property” has the meaning in Annex lll 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.

“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 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.

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, table S2.2, S2.3 and S2.4 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

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 1, 08/03/2021**

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]	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 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.

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.
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.
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.
Complete if the uncertainty associated with the result is not a 95% confidence interval. Leave blank for 95% confidence intervals.

Surface Water and/or Groundwater Monitoring Form

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

Facility name: *[Unit A, Anytown]* **Surface Water and/or Groundwater Monitoring Form: version 1, 08/03/2021**

Reporting of surface water and/or groundwater monitoring for the period from *[DD/MM/YY]* to *[DD/MM/YY]*

Monitoring point	Substance / parameter	Trigger level	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]
[e.g. GW1]	*[e.g. pH]*	*[e.g. >5 and <9 pH units]*	*[e.g. instantaneous]*	*[e.g. BS ISO 5667-11:200]*	*[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.

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.
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.
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.
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 1, 08/03/2021**

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]	Uncertainty [4]
[e.g. P1]	*[e.g. PM_{10} suspended particulate matter]*	*[e.g. 50 µg/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.

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.
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.
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.
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 1, 08/03/2021

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]	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.

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.
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.
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.
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

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.

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.
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.