Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Discovery Park Management Limited

Discovery Park Waste Water Treatment Facility
Ramsgate Road
Sandwich
Kent
CT13 9FP

Variation application number

EPR/AP3438YK/V002

Permit number

EPR/AP3438YK

Discovery Park Waste Water Treatment Facility
Permit number EPR/AP3438YK

Introductory note

This introductory note does not form a part of the permit

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.

This permit variation has been issued to implement guidance “Chemical waste: appropriate measures for permitted facilities”, and “Biological waste treatment: appropriate measures for permitted facilities.”

Changes introduced by this variation notice/statutory review

The Industrial Emissions Directive (IED) came into force on 7 January 2014 with the requirement to implement all relevant Best Available Techniques (BAT) Conclusions as described in the Commission Implementing Decision. Article 21(3) of the IED requires the Environment Agency to review conditions in permits that it has issued and to ensure that the permit delivers compliance with relevant standards, within four years of the publication of updated decisions on Best Available Techniques (BAT) Conclusions. The BAT Conclusions for Waste Treatment (the BREF) was published on 17 August 2018 following a European Union wide review of BAT, implementing decision (EU) 2018/1147 of 10 August 2018.

On 18 November 2020, Chemical waste: appropriate measures for permitted facilities guidance was published on gov.uk. The guidance explains the standards that are relevant to regulated facilities with an environmental permit to treat or transfer chemical waste, providing indicative BAT for those sites.

On 22 September 2022, Biological waste treatment: appropriate measures for permitted facilities guidance was published on gov.uk. The guidance explains the standards that are relevant to regulated facilities with an environmental permit that handle organic waste, also known as biowaste, providing indicative BAT for those sites.

This permit variation has been issued to update some of the conditions following a statutory review of the permits in the chemical waste treatment and transfer and biological waste treatment and transfer sectors and to implement the appropriate measures guidance. The opportunity has also been taken to consolidate the original permit and subsequent variations where appropriate.

Brief description of the process

The Waste Water Treatment Facility (WWTF) accepts various effluents from operations at Discovery Park. This includes foul effluent collected in the foul effluent system, as well as a smaller amount of industrial effluent discharged to the trade effluent system on-site. Additionally, tankered wastes from off-site producers are accepted.

Road tankers containing non-hazardous aqueous effluent are offloaded at the B190 trade tanks location into a separate holding tank before evaluation. Subsequently, the effluent is pumped to the trade effluent tank for transfer to the WWTF for treatment. All holding tanks and trade tanks are located in bunded areas.

The WWTF process consists of biological treatment of effluent via an activated sludge process. Two primary effluent streams are treated:

- Foul effluent - consisting primarily of foul waste, arising from a range of buildings and operations located outside the permit boundary. The foul effluent is collected in one main pumping station and transferred into the WWTF process.

- Trade effluent - consisting primarily of process related effluents, arising from a range of buildings and operations located outside the permit boundary. The trade effluent is collected at the B190 tanks, located within the installation boundary, where it is tested prior to discharge on a batch basis.

Effluents are transferred down to the WWTF where they are combined in an anoxic pre-selector vessel, prior to discharge into an aerated tank where biological treatment takes place. Process liquors are then passed via a clarifier, where sludge is removed and either returned to the process (RAS) or wasted from the process (SAS).

Process liquors then pass through a sand filter and UV disinfection system, ensuring a clean effluent suitable for discharge to the River Stour.

The final effluent is also recycled for general use on the plant, for example as wash water.

Waste sludge is dewatered using a belt press with polymer dosing, before being disposed of via a third party.

The regulated facility comprises:

- treatment of hazardous waste;
- blending or mixing of hazardous waste;
- temporary storage of hazardous waste;
- treatment of non-hazardous waste;
- temporary storage of non-hazardous waste.

The installation is within 10km of five European conservation sites and one SSSI: Sandwich Bay (SAC), Thanet Coast (SAC), Thanet Coast & Sandwich Bay (SPA) Thanet Coast & Sandwich Bay (Ramsar), Stodmarsh (Ramsar) Sandwich Bay to Hacklinge Marshes (SSSI).

There are two Local Wildlife Site (LWS), one National Nature Reserve (NNR) and one Local Nature Reserve (LNR) within 2km of the installation boundary: Ash Level and South Richborough Pasture (LWS), Woods and Grassland Minster Marshes (LWS), Sandwich & Pegwell Bay (NNR), Prince's Beachlands (LNR).

Protected Habitats within 600m: Coastal and Floodplain Grazing Marsh, Coastal Saltmarsh, Fens, Mudflats. Protected Species within 600m: Atlantic Salmon migratory route Salmo salar migratory route, European Eel migratory route Anguilla Anguilla migratory route, River Lamprey migratory route Lampetra fluviatilis migratory route & European Water Vole Arvicola amphibius.

The WWTF is in a bunded area for environmental protection against containment loss and tidal flooding. It has two drainage systems: a trade drain for potentially contaminated liquors, which are pumped to primary settling tanks, and a surface water drain for rainwater and spills. The approach road is fully contained, directing spills to a central sump for treatment. Chemicals are stored in local bunds for spill containment and appropriate disposal.

The schedules specify the changes made to the permit.

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

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/HP3539LX/A001	Duly made 19/04/2006	
Additional information received	19/05/2006	Direct Toxicity Assessment & Air Quality Impact Assessment.
Additional information received	19/06/2006	Application site report.
Additional information received	13/07/2006	Direct toxicity assessment, multi product protocol.
Additional information received	13/09/2006	Thermal oxidiser operation, reduction of emission points and operation of Hydrogenator.
Additional information received	06/09/2006	Scrubber operations

Status log of the permit		
Description	**Date**	**Comments**
Permit determined EPR/HP3539LX	07/11/2006	
Application FR3332UR (EPR/HP3539LX/V002)	Duly made 17/08/2007	Request to modify ½ hour CO emission limit value on incinerator.
Request for further information	17/08/2007	
Additional information submitted by the Operator	28/08/2007	
Variation FR3332UR (EPR/HP3539LX/V002) determined	25/10/2007	
Application EP3839GM (EPR/HP3539LX/V003)	Duly made 27/11/2008	Request to amend errors and affect minor alterations to original permit conditions and vary limits of waste types and permit import of wastes delivered to incinerator
Variation EP3839GM (EPR/HP3539LX/V003) determined	27/04/2009	
Application EPR/HP3539LX/V004	Duly made 18/09/2009	
Additional information requested	17/12/2009	UV treatment operating procedures and sampling changes –response 19/01/2010.
Additional information requested	20/01/2010	Effluent monitoring standards – response 20/01/2010 & 21/01/2010.
Final clarification of sampling and reporting details	Received 05/02/2010	
Variation EPR/HP3539LX/V004 determined	11/02/2010	
Variation EPR/HP3539LX/V005 Withdrawn		
Application EPR/HP3539LX/V006		
Additional information received	26/04/2010	
Variation EPR/HP3539LX/V006 determined	23/06/2010	
Application EPR/HP3539LX/V007	19/10/2010	
Variation HP3539LX/V007 determined	30/03/2011	
Application EPR/HP3539LX/S008 (partial surrender)	20/01/2011	
Application EPR/HP3539LX/V009 (variation and consolidation)		
Additional Information received	14/04/2011	
Variation and Consolidation (EPR/HP3539LX/V009 determined	16/06/2011	Varied and consolidated permit issued in a modern format.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/HP3539LX/T010 (part transfer of permit EPR/HP3539LX)	Duly made 17/04/2012	Application to transfer high temperature incinerator and solvent handling facility to Augean Treatment Limited.
Transfer EPR/HP3539LX determined	01/06/2012	Transfer of high temperature incinerator and solvent handling facility complete.
Application EPR/QP3637ZL/T001 (part transfer of permit EPR/HP3539LX)	Duly made 30/06/2013	Application to transfer Waste water treatment facility to Park Serve Limited.
Transfer and variation determined EPR/QP3637ZL (new and varied permit issued) determined	30/07/2013	Transfer of Waste water treatment facility complete. New permit issued in the modern format.
Application EPR/AP3438YK/T001 (full transfer of permit EPR/QP3637ZL)	Duly Made 17/03/2017	Application to transfer permit in full to Discovery Park Management Limited.
Transfer determined EPR/AP3438YK	03/05/2017	Full transfer of permit complete.
Permit review- Regulation 61 Notice sent to Operator	15/11/2021	Regulation 61 Notice requiring information for statutory review of permit.
Permit review - Regulation 61 Notice response	17/03/2023	Response received from the operator.
Permit Review - Application (variation and consolidation) EPR/AP3438YK/V002	Environment Agency Initiated Variation	Statutory review of permit occasioned by Waste Treatment BAT Conclusions published on 17 August 2018 and Chemical waste: appropriate measures for permitted facilities published 18 November 2020.
Additional information received	14/03/2024	Email includes: • Document entitled 'WWTF process description' dated 14.03.2024. • Site plan: 'WWTF - permit boundary'.
Additional information received	22/04/2024	Response includes: • WM3 Classification report on WWTF waste Sludge Solids to landfill. • transfer notes for sludge. • WWTF SOP Index. • chart of Coliform weekday results for 2021,2022 and 2023.
Additional information received in response to Request for Further Information (RFI) dated 06/04/2024	09/05/2024	Response includes: • emission point plan. • EWC codes. • decommissioning plan. • confirmation WWTF sludge is non-hazardous. • onsite wastewater treatment involves biological treatment only. • Document entitled 'Third Party Waste Characterisation and Acceptance' Procedure.
Additional information received in response to Request for Further Information (RFI) dated 15/05/2024	29/05/2024	Response includes: • waste treatment and storage tonnages. • bioscrubber details. • mixing of hazardous and non-hazardous waste. • EWC code acceptance.

Status log of the permit		
Description	**Date**	**Comments**
Additional information received in response to Request for Further Information (RFI) dated 29/07/2024	01/10/2024	Response to RFI includes: • assessment of compliance with non-hazardous appropriate measures. • EWC Codes: 99 codes and 16 10 02. • waste throughput figures. • tank enclosure. • TOC/COD monitoring. • total Coliform monitoring (reduced sampling frequencies).
Additional information received in response to Request for Further Information (RFI) dated 20/02/2025	13/03/2025	Response to RFI includes: • Confirmation of compliance with biological waste appropriate measures. • Daily treatment capacity for blending or mixing activity of the hazardous and non-hazardous waste effluent. • Daily treatment capacity for sludge dewatering activity. • Storage capacity at any one time of processed filter cake.
Environment Agency Waste Treatment Sector Review Permit reviewed Variation determined EPR/AP3438YK/V002	26/06/2025	Varied and consolidated permit issued.

Other Part A installation permits relating to this installation		
Operator	**Permit number**	**Date of issue**
Pfizer Limited Pilot Plant	CP3339LY	07/11/2006

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 and consolidates

Permit number

EPR/AP3438YK

Issued to

Discovery Park Management Limited ("the operator")

whose registered office is

147 Stamford Hill
London
United Kingdom
N16 5LG

company registration number **10562227**

to operate a regulated facility at

Discovery Park Waste Water Treatment Facility
Ramsgate Road
Sandwich
Kent
CT13 9FP

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

Name	Date
Anne Lloyd	26/06/2025

Authorised on behalf of the Environment Agency

Schedule 1

All conditions have been varied by the consolidated permit as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/AP3438YK

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/AP3438YK/V002 authorising,

Discovery Park Management Limited ("the operator"),

whose registered office is

147 Stamford Hill
London
United Kingdom
N16 5LG

company registration number **10562227**

to operate an installation at

Discovery Park Waste Water Treatment Facility
Ramsgate Road
Sandwich
Kent
CT13 9FP

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

Name	Date
Anne Lloyd	26/06/2025

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 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 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3; and

(b) it conforms to the description in the documentation supplied by the producer and holder.

2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:

(a) the nature of the process producing the waste;

(b) the composition of the waste;

(c) the handling requirements of the waste;

(d) the hazardous property associated with the waste, if applicable; and

(e) the waste code of the waste.

2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Hazardous waste storage and treatment

2.4.1 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.

2.5 Improvement programme

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

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.

3.1.2 The limits given in schedule 3 shall not be exceeded.

3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.

3.2.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;

(b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

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

3.3.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;

(b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

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

3.4.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;

(b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

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

(a) point source emissions specified in tables S3.1 and S3.2; and

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

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

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

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

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

3.6.2 The operator shall:

(a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;

(b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.7 Fire prevention

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

3.7.2 The operator shall:

(a) if notified by the Environment Agency that the activities are giving rise to a risk of fire, submit to the Environment Agency for approval within the period specified, a fire prevention plan which prevents fires and minimises the risk of pollution from fires;

(b) implement the fire prevention plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

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

(a) be legible;

(b) be made as soon as reasonably practicable;

(c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and

(d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:

(i) off-site environmental effects; and

(ii) matters which affect the condition of the land and groundwater.

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

4.2 Reporting

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

4.2.2 For the following activities referenced in schedule 1, table S1.1 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.

4.4 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	Section 5.3 Part A (1)(a)(i) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving biological treatment	Disposal of hazardous waste effluents D8: Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12	From treatment of hazardous waste water effluent by activated sludge treatment in tanks located on Figure 2: Site Layout Plan including emission points shown in schedule 7 to storage of treated waste effluent. No more than 1,000 tonnes per day of hazardous waste shall be treated. Treatment shall take place within a building in enclosed tanks on an impermeable surface with sealed drainage. Treated dewatered sludges shall be stored in covered skips prior to transfer off-site on an impermeable surface with sealed drainage for no longer than 6 months. In total, no more than 5,150 tonnes of treated waste, resulting from the treatment of hazardous and non-hazardous wastes, shall be stored on-site. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.
AR2	Section 5.3 Part A (1)(a)(ii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment	Disposal of hazardous waste effluents D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcination	From treatment of hazardous waste water effluent by primary treatment, intermediate balancing, flocculation and pH adjustment in tanks located on Figure 2: Site Layout Plan including emission points shown in schedule 7 to storage of treated waste effluent. No more than 1,000 tonnes per day of hazardous waste shall be treated. Treatment shall take place in a dedicated area in enclosed tanks on an impermeable surface with sealed drainage.

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
			Treated dewatered sludges shall be stored in covered skips prior to transfer off-site on an impermeable surface with sealed drainage for no longer than 6 months. No more than 5,150 tonnes of waste products in aggregate from hazardous and non-hazardous shall be stored on site at any one time. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.
AR3	Section 5.3 Part A (1)(a)(iii) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending or mixing	Blending or mixing of hazardous waste. D13: Blending or mixing prior to submission to any of the operations numbered D1 to D12.	From treatment of hazardous waste effluent and non-hazardous waste effluent by blending or mixing in tanks located on Figure 2: Site Layout Plan including emission points shown in schedule 7 to storage of treated waste effluent. Blending or mixing is limited to: • wastes of the same general type having similar characteristics • wastes that have been checked or tested for compatibility, that is wastes that will not react together or give rise to evolution of gas The blending or mixing of wastes shall not result in: • a reaction of the blended or mixed wastes with each other • a reaction with the container/mixing vessel in which the wastes are being placed The following wastes shall not be blended or mixed: • wastes which could be recovered with other wastes if this means that the waste must now be sent for disposal No more than 4,320 tonnes per day of hazardous and non-hazardous waste shall be blended or mixed. Hazardous waste shall not be blended or mixed with non-hazardous waste or

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**
			non-waste other than prior to biological treatment. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Tables S2.2 and S2.3.
AR4	Section 5.4 A1(a)(i) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment.	Disposal of non-hazardous waste effluent D8: Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12	From treatment of non-hazardous waste effluent by activated sludge treatment in tanks located on Figure 2: Site Layout Plan including emission points shown in schedule 7 to storage of treated waste effluent treatment prior to discharge to river. No more than 3,740 tonnes per day of non-hazardous waste shall be treated. Treatment shall take place within a building in enclosed tanks on an impermeable surface with sealed drainage. Holding tank and trade tanks shall all be located in bunded areas. No waste types shall be submitted to this activity other than those non-hazardous wastes specified in Schedule 2, Table S2.3.
AR5	Section 5.4 A1(a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment, and excluding activities covered by Council Directive 91/271/EEC concerning urban waste-water treatment.	Disposal of non-hazardous waste effluent D9: Physico-chemical treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12, e.g. evaporation, drying, calcination	From treatment of non-hazardous waste water effluent by primary treatment, intermediate balancing, flocculation and pH adjustment in tanks located on Figure 2: Site Layout Plan including emission points shown in schedule 7 to storage of treated waste effluent. No more than 3,740 tonnes per day of non-hazardous waste shall be treated. Holding tank and trade tanks shall all be located in bunded areas. No waste types shall be submitted to this activity other than those non-hazardous wastes specified in Schedule 2, Table S2.3.
AR6	Section 5.6 Part A(1)(a)	Temporary storage of hazardous waste.	From receipt and storage of hazardous waste effluent on site to its treatment, blending or mixing on site.

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**
	Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes.	D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced).	The total amount of waste stored on site at any one time, including both hazardous and non-hazardous waste, shall not exceed 5,150 tonnes. No waste shall be repackaged on site. Wastes stored in bulk shall be stored in tanks at the locations identified on site layout plan including emission points in Schedule 7. All wastes shall be stored on site for no longer than 6 months. Notwithstanding the limits given above where a shorter storage time period is given in an agreed management plan then that time period shall take precedence. No waste types shall be submitted to this activity other than those hazardous wastes specified in Schedule 2, Table S2.2.
Directly Associated Activity			
AR7	Storage of non-hazardous waste pending recovery or disposal	Temporary storage of non-hazardous waste D15: Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Undertaken in relation to Activities AR4 and AR5. Storage of residual wastes from treatment to despatch off-site for recovery or disposal. The total amount of waste stored on site at any one time, including both hazardous and non-hazardous waste, shall not exceed 5,150 tonnes. Wastes shall be stored in tanks as shown at the locations identified on Site Layout Plan including emission points in Schedule 7. No waste types shall be submitted to this activity other

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**
			than those wastes specified in Schedule 2, Table S2.3
AR8	Odour abatement	Treatment in bioscrubbers	From the collection of air from site processes to treatment in bioscrubbers to release of treated air via emission points A1 and A2.
AR9	Sludge treatment	Non-hazardous sludge treatment D9: Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12 (e.g. evaporation, drying, calcination, etc.)	From the receipt of primary sludge to waste sludge dewatering using a belt press with polymer dosing to dropping into a trailer to transfer into covered skips to despatch for off-site disposal. No more than 360 tonnes per day of waste sludge shall be treated in a dedicated building.
AR10	Sludge storage	Non-hazardous sludge storage D15: Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	From the receipt of processed sludge produced from the on-site activated sludge treatment process in AR9 to despatch for off-site disposal. The amount of non-hazardous waste sludge stored on site at any one time shall not exceed 15 tonnes. Storage of processed filter cake in a covered skip on an impermeable surface with sealed drainage system. When the skip is full, transfer off-site for disposal. Wastes shall be stored on site for no longer than 6 months.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Chemical waste: appropriate measures for permitted facilities. Version published 18 November 2020	All parts of the appropriate measures guidance shall apply other than: those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier);	17/03/2023
Biological waste treatment: appropriate measures for permitted facilities. Version published 21 September 2022	All parts of the appropriate measures guidance shall apply other than: those parts to which an improvement programme requirement applies in Table S1.3 (and only until the date that the improvement has been or must be met, whichever is the earlier);	13/03/2025
Additional information	Response includes emission point plan, EWC codes, decommissioning plan. • WWTF Site Plan vents A1 and A2 (09.05.2024) • EWC lists for haz and non-haz (May 2023) • WWTF decommissioning plan (May 2024)	09/05/2024
Additional information	Document titled 'Discovery Park response to RFI dated 15.05.2024' includes: • mixing of hazardous and non-hazardous waste • bioscrubber details • EWC code acceptance Document titled 'RFI waste treatment and storage tonnages'	29/05/2024
Additional information	Response to request for information includes: • EWC Codes agreement to use 16 10 02 (already in permit) instead of addition of 99 codes. • clarification on waste throughput figures. • daily sampling and internal testing for COD (as per the permit requirements set out in Schedule 3). • excel file detailing assessment of compliance with non-hazardous and inert waste appropriate measures. • justification for reduced sampling frequencies.	01/10/2024
Additional information	Document titled 'Discovery Park response to RFI dated 20th February 2025' includes: • confirmation of compliance with biological waste appropriate measures. • daily treatment capacity for blending or mixing activity of the hazardous and non-hazardous waste effluent. • daily treatment capacity for sludge dewatering activity. • storage capacity at any one time of processed filter cake.	13/03/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC34	Completed	
IC35 Bund and tank integrity in	The Operator shall undertake a survey carried out by a competent person (qualified civil engineer, structural engineer, or integrity assessor) of the primary, secondary and tertiary containment at the site and review measures against the relevant standards listed in Sections 4	24/06/2025 or as agreed in writing by the

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
accordance with CIRIA 736	and 6.5 of Chemical Waste: appropriate measures for permitted facilities, Nov 2020, including relevant CIRIA, HSE and EEMUA guidance. The operator shall submit a written report to the Environment Agency for approval which outlines the results of the survey in line with the requirements in Chemical Waste: appropriate measures for permitted facilities, Nov 2020 and provide details of: • current containment measures; • physical condition of the storage vessels; • any deficiencies identified in comparison to relevant standards; • improvements proposed; • time scales for implementation of improvements; and • a preventative maintenance and inspection regime. The operator shall implement the improvements to the approved timescales.	Environment Agency
IC36 Monitoring Location	The operator shall submit a written report to the Environment Agency for assessment and written approval. The report must contain: • details of stacks/pipes/ducts and monitoring locations built on bioscrubbers. • the results of tests carried out during commissioning to assess whether the air monitoring location(s) meet the requirements of BS EN 15259 and supporting Method Implementation Document (MID). • analysis of the results and conclusions of the assessment • where necessary proposals for improvements to meet the requirements and timescale of implementation. 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. You must implement the proposals in the report in line with the timescales agreed with the Environment Agency.	24/12/2025 months or as agreed in writing by the Environment Agency
IC37a – updated emissions inventory	The operator shall submit a written report to the Environment Agency for approval that proposes a monitoring programme to fully characterise and assess the facility's point source emission(s) to air A1 and A2. The monitoring programme shall be designed to fulfil all the requirements of Chemical waste: appropriate measures for permitted facilities and Biological waste treatment: appropriate measures for permitted facilities. 6.1.2: "*You must identify the main chemical constituents of the site's point source emissions as part of the site's inventory of emissions to air.*" 7.1.1 *"Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to air…".* The report shall: a) detail the parameters and substances that will be tested for. b) include proposals for monitoring as a minimum the following parameters: those listed in Schedule 3, Table S3.1 or present	24/09/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	conclusive evidence to suggest any parameter is not present/relevant in the emission. c) detail the monitoring methods, equipment and frequency to be used and justify any alternatives to the methods set out in Schedule 3, Table S3.1 for monitoring the listed parameters. d) confirm with supporting evidence that the monitoring will be representative of worst-case conditions – i.e. operating with typical waste streams at maximum plant throughput. e) establish a timetable for undertaking the monitoring. The monitoring programme shall be carried out in line with the timescales approved by the Environment Agency.	
IC37b H1 risk assessment (air)	The operator shall submit a written report to the Environment Agency for assessment and written approval as required by section 6.1 of Chemical waste: appropriate measures for permitted facilities. 6.2.3: *"You must make an assessment of the fate and impact of the substances emitted to air, following the Environment Agency's air emissions risk assessment methodology."* 7.1.1: *"Your facility's emissions inventory must include information about the relevant characteristics of point source emissions to air…".* The report must include: a) the results and conclusions of the emissions monitoring and assessment undertaken in accordance with the approved monitoring programme under condition IC37a. b) A comparison of the monitoring results with the limits listed in Schedule 3, Table S3.1 the results and conclusions from an assessment of the environmental impact of the emissions to air using all relevant parameters identified from the monitoring programme proposed under condition IC37a. The assessment must screen parameters using the BAT AEL where they are set and actual emissions monitoring data for emissions where BAT AELs as not set and be carried out using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency) and/or modelling as required following our guidance: Air emissions risk assessment for your environmental permit - GOV.UK Where it is concluded that the impact of the emission may be significant or is exceeding an environment standard. The operator shall c) Review the BAT AELs and determine whether there is a requirement for emissions limits to be lower than the BAT AELs in order to prevent exceedance of environmental standards. d) Propose revised emission limits Where the proposed limits, limits listed in Table S3.1 for any parameter could be exceeded, the report must also include: e) Proposals for measures to mitigate the emission to meet the relevant emission limit such as (additional) abatement and timescales for the implementation of the measures.	24/03/2026

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	The proposals shall be implemented within 6 months of approval of the report or as agreed in writing by the Environment Agency.	
IC38 Updated emissions inventory and H1 Risk Assessment (water)	The operator shall carry out a risk assessment and a full chemical characterisation of the wastewater in the discharge to surface water. The characterisation of the wastewater and the associated assessment should be taken from the results of the pre-acceptance and acceptance procedures for each waste stream. The assessment shall detail the sampling methods/standards used. Sampling methods shall be in accordance with guidance, *Chemical waste: appropriate measures for permitted facilities and Biological waste treatment: appropriate measures for permitted facilities* using the Environment Agency's 'H1 Environmental Risk Assessment' tool (or equivalent as agreed with the Environment Agency). The programme shall include as a minimum for each emission point: • The chemical names of the pollutants being analysed, • The units of measurement, e.g. mg/l, • The maximum, minimum and average values and variability of flow, pH, temperature, and conductivity, • The maximum, minimum and average concentration and load values of all relevant substances and their variability, • Data on bioeliminability (e.g. BOD, BOD to COD ratio, Zahn-Wellens test, biological inhibition potential (e.g. inhibition of activated sludge), • the background concentrations at the discharge point, • total metal data (collect dissolved metal data at the same time in case any of your pollutants need modelling), • a minimum of 12 samples (the ideal number is 36) over a time period that captures the variability of the effluent to be discharged, • the Minimum Reporting Value/Limit of Detection (MRV/LOD) used, which must be at least equivalent to the EQS and ideally lower, • the relevant Environmental Quality Standard (EQS) or Predicted No Effect Concentration (for pollutants that have ecotoxic properties but no EQS), • the raw data used to inform the risk assessment. The programme shall include the National Grid Reference (NGR) of the sampling and discharge point(s) location(s). The risk assessment shall be produced in line with Environment Agency guidance: • Specific substances and priority hazardous Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk) Monitoring discharges to water: Monitoring discharges to water: guidance on selecting a monitoring approach - GOV.UK (www.gov.uk)	24/06/2026
IC39 Emissions Inventory and H1 Risk Assessment Report & abatement proposals (water)	The operator shall submit a report of your risk assessment produced under IC38 that includes but is not limited to; a summary of the sample results, a completed H1 risk assessment(s) and modelling outputs where appropriate. The operator shall provide conclusions on whether the wastewaters discharged from the emission point(s) will have any adverse impact on the receiving waters. An assessment shall be made against the parameters specified in the relevant environmental standards as specified within our guidance as follows:	3 months from the completion of IC38

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	• Specific substances and priority hazardous Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk) • Sanitary substances – 1076_14 H1 Annex D2 - Assessment of sanitary and other pollutants within Surface Water Discharges (publishing.service.gov.uk) If your assessment identifies pollutants that would be at concentrations in your discharge that may cause pollution, then propose an appropriate abatement system to the Environment Agency for approval that would eliminate those pollutants to acceptable level in the discharge. The improvements shall be implemented with the timescales as approved by the Environment Agency.	
IC40 Improvement conditions for enclosure of tanks storing (or treating) activated sludge	The operator shall submit a written 'enclosure and abatement plan' and obtain the Environment Agency's written approval to it. The plan shall include the final designs and an implementation schedule for the installation of enclosures/covers and associated emission abatement systems in line with BAT 14, BAT 34 and BAT 53 for storage and treatment tanks using guidance, *Chemical waste treatment: appropriate measures for permitted facilities* and *Biological waste treatment: appropriate measures for permitted facilities*, for activated sludge treatment identified within tanks listed in Table 5 of the document entitled 'WWTF process description' Tank description: • Balance tank x2 • Final effluent clarifier x2 • Sand filter mudwell x1 • Sand filter clearwell x1 • Return liquor splitter box x1 • Sand filter inlet splitter x1 • Sand filter vessels x4 • Final effluent storage x2 • Foul Waste Storage x1 • Process drain sump x1 • Surface water sump x1 The report shall include evidence that the tank enclosures/covers will be designed and installed in accordance with guidance, C*hemical waste treatment: appropriate measures for permitted facilities and Biological waste treatment: appropriate measures for permitted facilities*, and include the national grid reference for the abatement technique to be implemented in line with BAT 53. The plan shall be implemented in accordance with the Environment Agency's prior written approval.	24/12/2024 or such other date as agreed in writing with the Environment Agency Implementation of all required and approved containment improvements as agreed in writing 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**
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Table S2.2 Permitted waste types and quantities for treatment and storage of hazardous waste (AR1, AR2, AR3 and AR6)	
Maximum quantity	The total quantity of hazardous and non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year. The total quantity of hazardous wastes accepted at the site shall not exceed 220,000 tonnes per year, with no more than 32,500 tonnes per year received by road tanker.
Exclusions	None
Waste code	**Description**
04	**WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
04 02	**wastes from the textile industry**
04 02 14*	wastes from finishing containing organic solvents
07	**WASTES FROM ORGANIC CHEMICAL PROCESSES**
07 01	**wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals**
07 01 01*	aqueous washing liquids and mother liquors
07 01 04*	other organic solvents, washing liquids and mother liquors
07 02	**wastes from the MFSU of plastics, synthetic rubber and man-made fibres**
07 02 01*	aqueous washing liquids and mother liquors
07 03	**wastes from the MFSU of organic dyes and pigments (except 06 11)**
07 03 04*	other organic solvents, washing liquids and mother liquors
07 05	**wastes from the MFSU of pharmaceuticals**
07 05 01*	aqueous washing liquids and mother liquors
07 05 04*	other organic solvents, washing liquids and mother liquors
07 06	**wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics**
07 06 01*	aqueous washing liquids and mother liquors
09	**WASTES FROM THE PHOTOGRAPHIC INDUSTRY**
09 01	**wastes from the photographic industry**
09 01 01*	water-based developer and activator solutions
09 01 02*	water-based offset plate developer solutions
09 01 03*	solvent-based developer solutions
14	**WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)**
14 06	**waste organic solvents, refrigerants and foam/aerosol propellants**
14 06 03*	other solvents and solvent mixtures
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**

Table S2.2 Permitted waste types and quantities for treatment and storage of hazardous waste (AR1, AR2, AR3 and AR6)	
Maximum quantity	The total quantity of hazardous and non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year. The total quantity of hazardous wastes accepted at the site shall not exceed 220,000 tonnes per year, with no more than 32,500 tonnes per year received by road tanker.
Exclusions	None
Waste code	**Description**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 14*	antifreeze fluids containing dangerous substances
16 03 05*	organic wastes containing dangerous substances
16 05 08*	discarded organic chemicals consisting of or containing dangerous substances
16 10 01*	aqueous liquid wastes containing dangerous substances
16 10 03*	aqueous concentrates 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 01	**wastes from incineration or pyrolysis of waste**
19 07 02*	landfill leachate containing dangerous substances
19 13 07*	aqueous liquid waste and aqueous concentrates from groundwater remediation containing dangerous substances
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 13*	solvents

Table S2.3 Permitted waste types and quantities for the treatment and storage of non-hazardous waste (AR3, AR4, AR5 and AR7)	
Maximum quantity	The total quantity of hazardous and non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year. The total quantity of non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year, with no more than 32,500 tonnes per year received by road tanker.
Exclusions	None
Waste code	**Description**
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 09	agrochemical waste other than those mentioned in 02 01 08
02 02	**wastes from the preparation and processing of meat, fish and other foods of animal origin**

Table S2.3 Permitted waste types and quantities for the treatment and storage of non-hazardous waste (AR3, AR4, AR5 and AR7)	
Maximum quantity	The total quantity of hazardous and non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year. The total quantity of non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year, with no more than 32,500 tonnes per year received by road tanker.
Exclusions	None
Waste code	**Description**
02 02 01	sludges from washing and cleaning
02 03	**wastes from fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco preparation and processing, conserve production, yeast and yeast extract production, molasses preparation and fermentation**
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 07	**wastes from the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa)**
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
08	**WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
08 03	**wastes from MFSU of printing inks**
08 03 08	aqueous liquid waste containing ink
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 01	**end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)**
16 01 15	antifreeze fluids other than those mentioned in 16 01 14
16 03	**off-specification batches and unused products**
16 03 06	organic wastes other than those mentioned in 16 03 05
16 05	**gases in pressure containers and discarded chemicals**
16 05 09	discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
16 10 04	aqueous concentrates other than those mentioned in 16 10 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 06	**wastes from anaerobic treatment of waste**
19 06 05	liquor from anaerobic treatment of animal and vegetable waste
19 06 06	digestate from anaerobic treatment of animal and vegetable waste
19 07	**landfill leachate**
19 07 03	landfill leachate other than those mentioned in 19 07 02
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 05	sludges from treatment of urban waste water
19 08 12	sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11

Table S2.3 Permitted waste types and quantities for the treatment and storage of non-hazardous waste (AR3, AR4, AR5 and AR7)	
Maximum quantity	The total quantity of hazardous and non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year. The total quantity of non-hazardous wastes accepted at the site shall not exceed 1,365,100 tonnes per year, with no more than 32,500 tonnes per year received by road tanker.
Exclusions	None
Waste code	**Description**
19 13	**wastes from soil and groundwater remediation**
19 13 08	aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20	**MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS**
20 03	**other municipal wastes**
20 03 04	septic tank sludge
20 03 06	waste from sewage cleaning

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (including unit)**	**Reference Period (Note 2)**	**Monitoring frequency (Note 4)**	**Monitoring standard or method**
Emissions point A1 on Figure 2: Site Layout Plan including emission points in schedule 7	Release of air from bioscrubber .	Total Volatile Organic Compounds (TVOCs)	20 mg/Nm^3 (Note 3) (Note 5)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619
		Hydrogen Chloride (HCl)	5 mg/Nm^3 (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 1911
		Odour concentration	1000 ouE/Nm^3 (Note 6)	Minimum of 3 samples & appropriate sample period	Every 6 months	EN 13725
		Ammonia (NH_3)	20 mg/Nm^3 (Note 6)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN ISO 21877
		Hydrogen sulphide (H_2S) (Note 7)	No limit set	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	US EPA method 11
Emissions point A2 on Figure 2: Site Layout Plan including emission points in schedule 7	Release of air from bioscrubber	Total Volatile Organic Compounds (TVOCs)	20 mg/Nm^3 (Note 3) (Note 5)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 12619
		Hydrogen Chloride (HCl)	5 mg/Nm^3 (Note 3)	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN 1911
		Ammonia (NH_3) (Note 3)	No limit set	Average value of 3 consecutive measurements of at least 30 minutes each	Every 6 months	EN ISO 21877

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (including unit)**	**Reference Period (Note 2)**	**Monitoring frequency (Note 4)**	**Monitoring standard or method**
Note 1: In addition the operator shall also monitor for relevant waste water parameters as required for example flow, pH, temperature, conductivity, BOD. Note 2: To the extent possible, the measurements shall be carried out at the highest expected emission state under normal operating conditions. Note 3: This monitoring requirement and limit only applies when the substance is present in the waste gas stream. Note 4: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable. Note 5: The upper end of the range is 45 mg/Nm^3 when the emission load is below 0.5 kg/h at the emission point. Note 6: Either the BAT-AEL for NH_3 or the BAT-AEL for the odour concentration applies. Note 7: The odour concentration may be monitored instead. Note 8: The monitoring of NH_3 and H_2S can be used as an alternative to the monitoring of the odour concentration.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency (Notes 3 and 4)**	**Monitoring standard or method**
W1 - Emissions point W1 on site plan in schedule 7 - emission to water course (River Stour)	Effluent Treatment plant	Volume	4000 m^3	Daily average	Continuous	MCERTS validated flow measurement device
		Total suspended solids (TSS)	60 mg/l	24-hour flow-proportional composite sample	Once every month	BS EN 872
		Total suspended solids (TSS)	120 mg/l	spot sample	Once every day	BS EN 872
		Temperature	30°C	Instantaneous	Continuous	Traceable to national standards
		Biochemical oxygen demand (BOD)	30 mg/l	24-hour flow-proportional composite sample	Once every week	BS EN ISO 5815-1 (CEN)
		Biochemical oxygen demand (BOD)	70 mg/l	Instantaneous spot sample	Once every week	BS EN ISO 5815-1 (CEN)
		Chemical oxygen demand (COD)	300 mg/l (Note 6)	24-hour flow-proportional composite sample	Once every day	BS ISO 15705
		pH range	6-9	Instantaneous	Continuous	BS ISO 10523
		Ammoniancal Nitrogen as N	20 mg/l	24-hour flow-proportional	Daily sample taken using	BS EN ISO 11732

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency (Notes 3 and 4)**	**Monitoring standard or method**
				composite sample	composite sampler	
		Total Coliforms	60,000 cfu/100 ml	Weekday average (Monday to Friday)	Daily sample taken using composite sampler (Monday to Friday only)	In house micro-biological method
		Mercury (expressed as Hg) (Note 2)	0.67 µg/l	24-hour flow-proportional composite sample	Once every day	BS EN 12846 or BS EN ISO 17852
		Zinc (expressed as Zn) (Note 2)	2 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885, BS EN ISO 17294-2, BS EN ISO 15586
		Lead (expressed as Pb) (Note 2)	0.17 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885 BS EN ISO 17294-2, BS EN ISO 15586
		Arsenic (expressed as As)	20 ug/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885, BS EN ISO 17294-2, BS EN ISO 15586, BS ISO 17378-1
		Nickel (expressed as Ni) (Note 2)	20 ug/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885 BS EN ISO 17294-2, BS EN ISO 15586
		Cadmium (expressed as Cd) (Note 2)	20 ug/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885, BS EN ISO 17294-2, BS EN ISO 15586, BS EN ISO 5961

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency (Notes 3 and 4)**	**Monitoring standard or method**
		Chromium (expressed as Cr) (Note 2)	0.3 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885, BS EN ISO 17294-2 BS EN ISO 15586
		Copper (expressed as Cu) (Note 2)	0.5 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885, BS EN ISO 17294-2 BS EN ISO 15586
		Manganese (Mn)	No limit set	24-hour flow-proportional composite sample	Once every day	BS EN ISO 11885 EN ISO 17294-2 BS EN ISO 15586
		Adsorbable organically bound halogens (AOX) (Note 2)	1 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 9562
		Benzene, toluene, ethylbenzene , xylene (BTEX)	No limit set	24-hour flow-proportional composite sample	Once every month	BS EN ISO 15680
		Free cyanide (CN-) (Note 2)	0.1 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 14403-1 and -2
		Hexavalent chromium (expressed as Cr(VI)) (Note 2)	0.1 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 23913
		Hydrocarbon oil index (HOI)	10 mg/l	24-hour flow-proportional composite sample	Once every month	BS EN ISO 9377-2
		PFOA (Note 2)	No limit set	24-hour flow-proportional composite sample	Every 6 months	BS ISO 25101
		PFOS (Note 2)	No limit set	24-hour flow-proportional composite sample	Every 6 months	BS ISO 25101

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter (Note 1)**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency (Notes 3 and 4)**	**Monitoring standard or method**
		Total nitrogen (Total N) (Note 5)	60 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN 20236 or BS EN ISO 11905-1
		Total phosphorus (Total P)	3 mg/l	24-hour flow-proportional composite sample	Once every day	BS EN ISO 15681-1 and -2, BS EN ISO 6878, EN ISO 11885
		Phenol index	0.3 mg/l	24-hour flow-proportional composite sample	Once every day	EN ISO 14402

Note 1: In addition, the operator shall also monitor for relevant waste water parameters as required for example flow and conductivity.

Note 2: This substance is only required to be monitored where present in the waste water emissions inventory.

Note 3: An alternative monitoring frequency may be agreed in writing with Environment Agency following completion of IC39.

Note 4: Monitoring frequencies may be reduced with the written agreement of the Environment Agency if emission levels are proven to be sufficiently stable, or in the case of a batch discharge less than the minimum monitoring frequency where monitoring is carried out once per batch.

Note 5: The BAT-AEL only applies when biological treatment of waste water is used. The BAT-AEL may not apply when the water temp is low (below $12^{O}C$), or has high chloride concentrations (above 10g/l in the waste input).

Note 6: The upper end of the range may not apply: —when the abatement efficiency is ≥ 95 % as a rolling yearly average and the waste input shows the following characteristics: TOC > 2 g/l (or COD > 6 g/l) as a daily average and a high proportion of refractory organic compounds (i.e. which are difficult to biodegrade); or — in the case of high chloride concentrations (e.g. above 5 g/l in the waste input).

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**
Bioscrubbers A1 and A2	Gas temperature – inlet and outlet	Continuous	Temperature probe / Traceable to national standards	Odour abatement plant shall be regularly checked and maintained to ensure appropriate temperature and moisture content. Odour abatement plant shall be managed in accordance with permit condition 3.3, the odour management plan and 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	Continuous	Gas flow meter	
	Moisture content or humidity – inlet and outlet (for dry scrubbers only)	Daily	Moisture meter	
	Moisture content or humidity – outlet (for wet scrubbers if used before other abatement systems)	Daily	Moisture meter	
	Back pressure	Weekly	Pressure differential using sensors	
	Efficiency assessment	Annual	Emission removal efficiency (BS EN 13725 for odour removal)	
	pH scrubber solution (pre-abatement)	Continuous	pH meter	
	pH scrubber solution (post-abatement)	Continuous	pH meter	
	Hydrogen sulphide – inlet and outlet gas stream	Every 6 months or as agreed in writing by the Environment Agency.	CEN TS 13649 for sampling NIOSH 6013 for analysis	Action levels to be achieved in accordance with permit condition 3.2 and the odour management plan.
	Ammonia – inlet	Every 6 months or as agreed in writing by the Environment Agency.	EN ISO 21877	Action levels to be achieved in accordance with permit condition 3.2 and the odour management plan.

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**	**First period begins**
Emissions to air Parameters as required by condition 3.5.1.	A1 and A2	Every 6 months [or as agreed in accordance with IC37b]	1 January
Emissions to water Parameters as required by condition 3.5.1	W1	Every 3 months	1 January
Process monitoring Parameters as required by condition 3.5.1	As agreed in writing by the Environment Agency.	Annually, or as agreed in writing by the Environment Agency.	1 January

Table S4.2 Annual production/treatment	
Parameter	**Units**
Hazardous waste treated - Disposal	tonnes
Non-hazardous waste treated - Disposal	tonnes

Table S4.3 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	cubic metres
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: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Emissions to water and land	Emissions to Water Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Emissions to sewer	Emissions to Sewer Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Water usage	Water Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021
Energy usage	Energy Usage Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	08/03/2021

Table S4.4 Reporting forms		
Media/parameter	**Reporting format**	**Date of form**
Other performance indicators	Other Performance Parameters Reporting Form: version 1 or other form as agreed in writing by the Environment Agency	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

Use the following as needed – black is general use, red is potential use (if the site does not do activity then delete)

“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.

“background concentration” means such concentration of that substance as is present in:

- for emissions to surface water, the surface water quality up-gradient of the site; or
- for emissions to sewer, the surface water quality up-gradient of the sewage treatment works discharge.

“blending or mixing” is the combination of wastes (other than repackaging) of the same general type (for example non-halogenated solvents or acids) having similar characteristics, in a container or bulk vessel or tank, where there is neither reaction of the mixed wastes nor evolution of gas.

“building” is a covered structure enclosed on all vertical sides that provides sheltered cover and contains emissions of, for example, noise, particulate matter, odour and litter.

“CMR” means substances that are carcinogenic, mutagenic or toxic for reproduction in accordance with UK REACH, that is substances with classifications category 1A H340, H350, H360, category 1B H340, H350, H360, category 2 H341, H351, H361.

“container” is a receptacle for waste for example bags, bins, boxes, drums, IBCs and blister packs. Wastes may be packaged in more than one receptacle for example a bag in a box.

“D” means a disposal operation provided for in Annex I to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“disposal” means any of the operations provided for in Annex I to the Waste Framework Directive.

“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 these standard rules or from other localised or diffuse sources, which are not controlled by an emission or background concentration limits.

“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.

“fugitive emission” means an emission to air, water or land from the activities which is not controlled by an emission 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.

“impermeable surface” means a surface or pavement constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

“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, as amended from time to time.

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

“pests” means birds, vermin and insects.

“pollution” includes pollution of the environment, harm to human health and serious detriment to the amenities of the locality, resulting from the permitted activities.

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

“R” means a recovery operation provided for in Annex II to Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on Waste.

“recovery” means any of the operations provided for in Annex II to the Waste Framework Directive.

“sealed drainage” in relation to an impermeable surface means a drainage system with impermeable components which does not leak and which will ensure that:

- no liquid will run off the surface otherwise than via the system, and
- except where they may lawfully be discharged to foul sewer, all liquids entering the system are collected in a sealed sump

“volatile organic compound” (VOC) means any organic compound as well as the fraction of creosote, having at 293.15 K a vapour pressure of 0.01 kPa or more, or having a corresponding volatility under the particular conditions of use.

“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 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.

When the following terms appear in the waste code list in Schedule 2, table 2.2 and 2.3, for 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.

Schedule 7 – Site plan

Figure 1: Site location and permit boundary

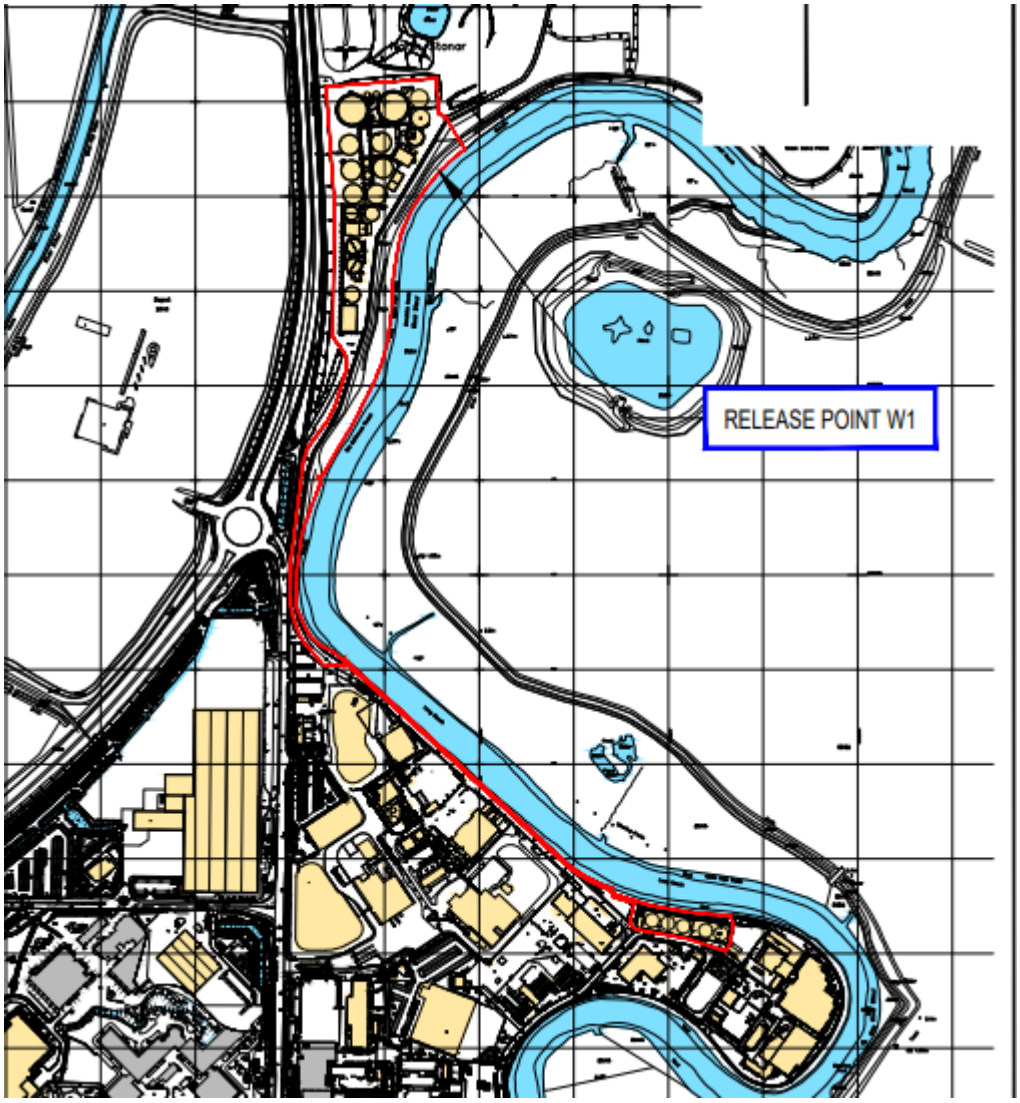
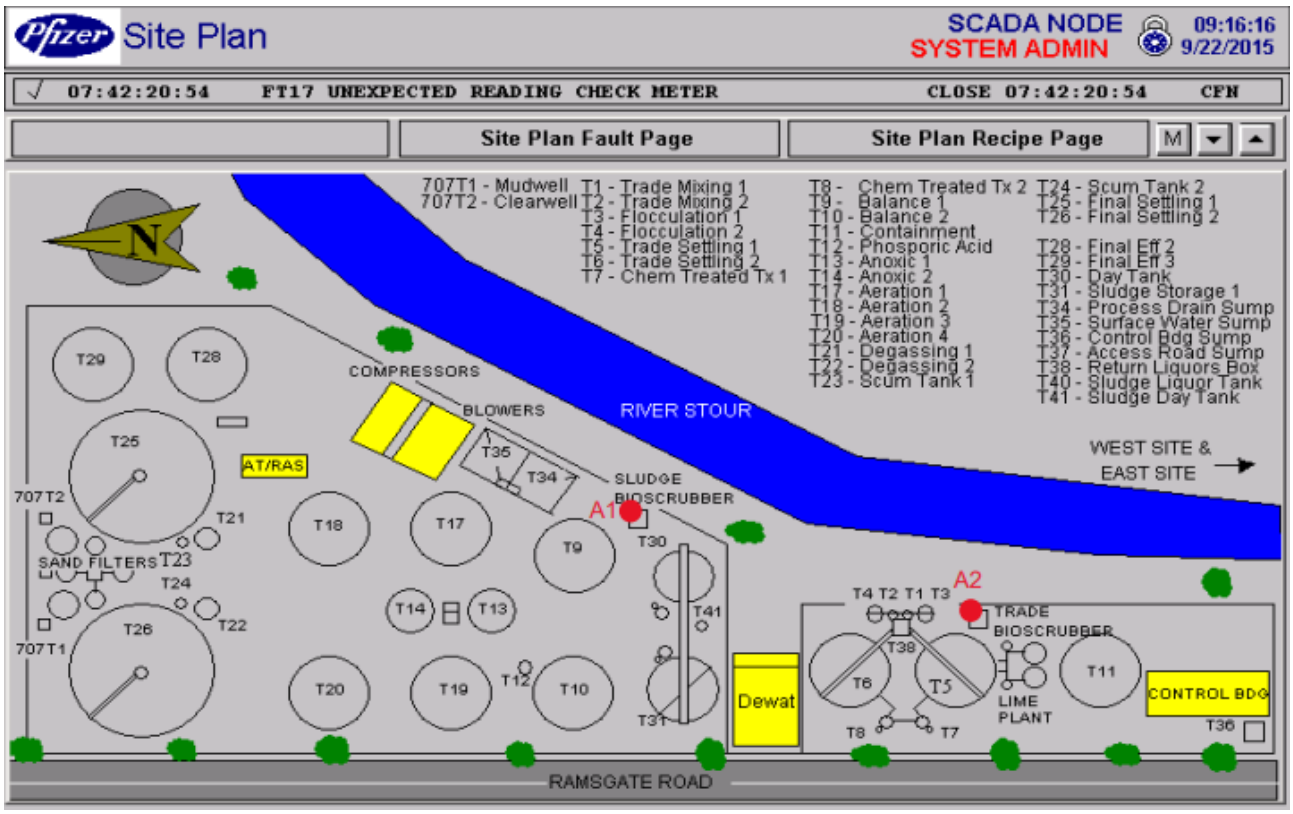


Figure 2: **Site Layout Plan including emission points**



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.

[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.

Emissions to Water Reporting Form

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

Facility name: *[Unit A, Anytown]* **Emissions to Water Reporting Form: version 1, 08/03/2021**

Reporting of emissions to water (other than to sewer) 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. W1]	*[e.g. Total suspended solids]*	*[e.g. 30 mg/l]*	*[e.g. For 95% of all measured values of periodic samples taken over one month]*	*[e.g. BS EN 872:2005]*	*[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.

Emissions to Sewer Reporting Form

Permit number: *[EPR/AB1234CB]*

Operator: *[A Company Name Limited]*

Facility name: *[Unit A, Anytown]*

Emissions to Sewer Reporting Form: version 1, 08/03/2021

Reporting of emissions to sewer 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. S1]	*[e.g. Total suspended solids]*	*[e.g. 30 mg/l]*	*[e.g. For 95% of all measured values of periodic samples taken over one month]*	*[e.g. BS EN 872:2005]*	*[State result]*	*[State relevant dates and time periods]*	*[State uncertainty if not 95% confidence interval]*

Emission point	Substance / parameter	Emission Limit Value	Reference period	Test method [1]	Result [2]	Sample dates and times [3]	Uncertainty [4]

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.

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.

[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 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 $\mu g/m^3$]*	*[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 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.

[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.