Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Angus Fire Limited

Bentham Site
Station Road
High Bentham
North Yorkshire
LA2 7NA

Variation application number

EPR/XP3832NV/V004

Permit number

EPR/XP3832NV

Bentham Site
Permit number EPR/XP3832NV

Introductory note

This introductory note does not form a part of the notice

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

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

This variation to the environmental permit:

- Adds, as a waste operation, a new process to treat stormwater containing PFAS (per-and polyfluoroalkyl substances).
    - Angus Fire Limited has designated areas of site to be at high-risk of historic PFAS contamination from previous manufacture and testing of fire-fighting foams.
    - Rainwater falling on those high-risk areas will be collected and stored either in designated storage tanks or, in the short-term, in IBCs (intermediate bulk containers of $1m^3$ capacity).
    - The rainwater (stormwater) containing PFAS substances will be directed to a PFAS treatment process consisting of a surface-active foam fractionation (SAFF) stage followed by a powdered activated carbon (PAC) stage.
    - Treated stormwater will be analysed for PFAS substances and be emitted to the River Wenning at a rate no greater than $48m^3$/day provided the concentration of PFOS (perfluorooctane sulfonate), one of the PFAS family of substances, is no greater than 10ng/l.
- Adds a new emission point to the River Wenning, W2, for emission of the treated stormwater with emission limit values.
- Corrects the scheduled activity for the manufacture of potassium allophanate from S4.7 Part A(1)(b) to S4.7 Part A(1)(a) in line with the current version of the Environmental Permitting (England and Wales) Regulations.
- Removes emission points A1, A2, A3, A4, A5, A6 and A8 from Table S3.1.
- Adds vent emission points A10, A11 and A12 to Table S3.1.
- Removes a reference to ‘fire fighting foam’ from Table S1.1.
- Removes the statement ‘including thermal oxidiser treatment’ from Table S1.1.
- Amends the description of W1 in Table S3.2 to state ‘Uncontaminated roof drainage and uncontaminated run-off’.
- Amends Table S3.4 (Process monitoring requirements).
- Removes emission points A1, A3, A4 and A5 from Table S4.1.
- Removes Table S4.2 (Annual production/treatment) that was in the previous permit notice.
- Includes a more appropriate location for W1 as SD 66580 69047.
- Updates Schedules 5 and 6 to current standard templates.
- Adds to Schedule 7 a new plan showing the areas from where stormwater is to be collected and treated.

The Angus Fire Limited site previously manufactured and tested fire-fighting foams. This has now ceased on site:

- Manufacture and sale ceased by the end of March 2024.
- Testing of fire fighting foams containing PFAS ceased by the end of April 2022 and
- Storage of fluorosurfactant raw materials ceased by the end of May 2024.

The Angus Fire Limited site continues to manufacture potassium allophanate under the Environmental Permitting Regulations scheduled activity, Section 4.7 Part A (1) (a) - any activity for the manufacture of a chemical which may result in the release of ammonia into the air, other than an activity in which ammonia is only used as a refrigerant.

The production process for the potassium allophanate comprises the mixing of potassium bicarbonate and urea in a heated blender at high temperature. The allophanate is formed and dropped into a second blender where it is cooled before being transferred into storage / transport containers. During the reaction water is liberated, some of which may react with the urea in an unavoidable side reaction to form small amounts of ammonia and carbon dioxide. These waste gases are ducted to a sulphuric acid scrubber that absorbs the ammonia to form ammonium sulphate. This ammonium sulphate is used as an agricultural fertiliser. The typical production of potassium allophanate is about 250 tonnes per year and is produced in one, self-contained, process room.

A 3.83MW boiler operates at the site for generation of steam and is fuelled by medium fuel oil.

The Angus Fire site is located in High Bentham in close proximity to the railway station. The installation is approximately 6 km from both the Ingleborough Complex which is a designated Special Area of Conservation (SAC) and Bowland Fells a designated Special Protection Area (SPA).

The installation occupies a defined area of the wider Angus Fire Limited site at High Bentham.

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/BU5593IL	Duly made 31/08/2006	
Permit determined	02/04/2007	Original permit issued to Kidde Products Limited.
Variation notice issued EPR/BU5593IL/V002	10/10/2007	Environment Agency initiated variation to correct schedule reference number.
Application EPR/XP3832NV/T001 (full transfer of permit, EPR/BU5593IL)	Duly made 10/06/2013	Application to transfer the permit in full to Eurostar Tradeco Limited.
Transfer determined EPR/XP3832NV/T001	Determined on 19/06/2013 Effective from 21/06/2013	Full transfer to permit.
Application for variation EPR/XP3832NV/V002	Duly made 25/10/2013	Inclusion of allophanate process.
Additional information received	10/10/2013	Confirmation of site condition.
	10/10/2013	Resubmission of Part F1.
	10/10/2013	Resubmission of Part C3 and energy considerations.
	28/10/2013	General clarification.
Variation issued EPR/XP3832NV/V002	20/11/2013	
Environment Agency initiated variation EPR/XP3832NV/V003	03/12/2015	Administrative variation to re-introduce annual process efficiency reporting.

Status log of the permit		
Description	**Date**	**Comments**
Application EPR/XP3832NV/V004 (variation and consolidation)	Duly made 27/06/2025	Application to add to the permit an effluent treatment plant to treat PFAS in surface water, remove all references to manufacture of firefighting foam and update the permit.
Additional information received. Response to Schedule 5 Notice dated 07/08/2025 and Request for Further Information dated 15/08/2025.	05/09/2025 14/10/2025	Additional information on: - Management of post-treatment stormwater. - Management of treatment train to treat stormwater and PFAS reductions realised. - Containment. - Emission of treated stormwater. - Generation of waste. - Reprocessing of treated stormwaters. - Site inspections. - Noise. - BAT Assessment. - Background of PFOS in receiving environment. - Reasoning behind not disposing of treated stormwater to third-party wastewater treatment plant.
Additional information received Response to Request for Further Information dated 02/09/2025	25/09/2025	Additional information on: - Treatment of short and long chained PFAS. - Impact of emission of treated stormwater on receiving environment. - Sampling and testing of effluent. - Energy usage. - Use of solvents.
Additional information received	08/10/2025	Updated H1 assessment addressing impact on water abstraction.
Additional information received	10/10/2025	Potential for releases to air from storage and treatment of stormwater.
Additional information received	15/10/2025	Removal from the permit of redundant emission points to air.
Additional information received	22/10/2025 & 23/10/2025	Locations of on-site sampling point for treated stormwater and emission of treated stormwater into River Wenning.
Additional information received	04/11/2025	Analytical methodology employed at the laboratory to which Angus Fire sends aqueous samples for PFAS testing.
Additional information received	09/12/2025	Results of ‘TOP Assay’ and ‘TOF Analysis’ of pre- and post-treated stormwater.
Additional information received	12/12/2025	Treatment train commissioning and availability of ion exchange resin
Additional information received	15/12/2025	Costs and constraints on high temperature incineration of stormwater.
Additional information received	17/12/2025	Additional information on: - PFAS testing results and removal rates. - Updated environmental management system.

Status log of the permit		
Description	**Date**	**Comments**
		- Stormwater containment & bunding.
Additional information received	07/01/2026	Additional information on aqueous emissions.
Additional information received	13/01/2026	Confirmation that no planning permission was required for the treatment train installed at the Angus Fire Limited site at High Bentham.
Additional information received	28/01/2026	Confirmation that Angus Fire Limited has no legal entity operating in the USA but has a sister company called National Foam Inc based in Angier, North Carolina.
Variation determined and consolidation issued EPR/XP3832NV	08/05/2026	Varied and consolidated permit issued.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/XP3832NV

Issued to

Angus Fire Limited ("the operator")

whose registered office is

Station Road
High Bentham
North Yorkshire
LA2 7NA

company registration number 08441992

to operate regulated facilities at

Bentham Site
Station Road
High Bentham
North Yorkshire
LA2 7NA

to the extent set out in the schedules.

The notice shall take effect from 08/05/2026

Name	Date
Principal Permitting Team Leader	**08/05/2026**

Authorised on behalf of the Environment Agency

Schedule 1

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

- Conditions 1.2.1, 1.3.1, 2.3.1 and 4.2.2 are varied to reflect the fact that certain requirements are not applicable to the new waste operation added to the permit.
- Condition 3.5.4 is varied to require the operator to provide permanent means of access to sampling/monitoring points in Table S3.2 (new emission point, W2).
- Condition 4.2.3(b) is varied to reference Schedule 4 Tables S4.2 and S4.3.
- Table S1.1 as referenced in conditions 1.2.1, 1.3.1, 2.1.1, 2.3.1 and 4.2.2 is varied to add the new stormwater treatment train as a waste operation (AR4), remove references to production of firefighting foam from existing activities and update the definition of AR3 (boiler system).
- Table S1.2 as referenced by conditions 2.3.1 and 2.3.2 is varied to add new operating techniques and remove obsolete operating techniques.
- Table S1.3 as referenced by condition 2.4.1 is varied to add new Improvement Conditions.
- Table S3.1 as referenced in conditions 3.1.1, 3.5.1 and 3.5.4 is varied to remove obsolete emission points and add vent emission points from the SAFF unit.
- Table S3.2 as referenced by conditions 3.1.1, 3.5.1 and 3.5.4 is varied to add emission point W2, with monitoring and emission limit values where required, and redefine source of emission point W1.
- Table S3.4 as referenced by condition 3.5.1 is varied to add new process monitoring requirements and remove existing requirements.
- Table S4.1 as referenced by condition 4.2.3 is varied to add different reporting requirements.
- Table S4.2 as referenced by condition 4.2.2 is varied to renumber Table S4.3 in the previous permit notice.
- Table S4.3 as referenced by conditions 4.2.2 and 4.2.3 is varied to add new reporting forms and renumber Table S4.4 in the previous permit notice.
- Schedule 7 as referenced by condition 2.2.1 is varied to add a new plan showing the areas from where stormwater is to be collected and treated.

The following conditions were varied as a result of an Environment Agency initiated variation:

- Conditions 4.3.2 and 4.4.2 are varied to the current template version.
- Condition 4.3.4 is varied to add further reasons to notify the Environment Agency.
- Schedule 5 (Notification) as referenced in condition 4.3.2 is varied to include the current template version.
- Schedule 6 (Interpretation) as referenced by condition 4.4.1 is varied to update and add new definitions in the current template version.

The following conditions are deleted as a result of the application made by the operator:

- Condition 4.2.3(b) is deleted as it references the annual production/treatment which is no longer required to be reported.
- Table S4.2 (Annual production/treatment) in the previous permit is deleted as firefighting foam is no longer produced on site.

The following conditions are deleted following an Environment Agency initiated variation

- Condition 2.5 (Pre-operational conditions) is deleted as there are no longer any pre-operational conditions in the permit.

The following conditions are added as a result of the application made by the operator:

- Condition 1.1.4 is added following addition of AR4 to Table S1.1.

1.1.4 “The operator shall comply with the requirements of an approved competence scheme”.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/XP3832NV

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/XP3832NV/V004 authorising,

Angus Fire Limited ("the operator"),

whose registered office is

Station Road
High Bentham
North Yorkshire
LA2 7NA

company registration number 08441992

to operate an installation and a waste operation at

Bentham Site
Station Road
High Bentham
North Yorkshire
LA2 7NA

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

Name	Date
Principal Permitting Team Leader	**08/05/2026**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

1.2.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR3), the operator shall:

(a) take appropriate measures to ensure that energy is used efficiently in the activities;

(b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and

(c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR3), 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").

2.2 The site

2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.

2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.

2.3.4 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 Improvement programme

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

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

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

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, S3.2 and S3.3;

(b) process monitoring specified in table S3.4;

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

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

3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1, S3.2 and S3.3 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 (AR1 to AR3), 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 performance parameters set out in schedule 4 table S4.2 using the forms specified in table S4.3 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 S4.3; 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.

4.3 Notifications

4.3.1 In the event:

(a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—

(i) inform the Environment Agency,

(ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and

(iii) take the measures necessary to prevent further possible incidents or accidents;

(b) of a breach of any permit condition the operator must immediately—

(i) inform the Environment Agency, and

(ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;

(c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

In any other case:

(a) the death of any of the named operators (where the operator consists of more than one named individual);

(b) any change in the operator's name(s) or address(es); and

(c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

(a) the Environment Agency shall be notified at least 14 days before making the change; and

(b) the notification shall contain a description of the proposed change in operation.

4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

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

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

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

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

4.4 Interpretation

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

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

Schedule 1 – Operations

Table S1.1 activities			
Activity reference	**Activity listed in Schedule 1 of the EP Regulations**	**Description of specified activity and WFD Annex I and II operations**	**Limits of specified activity and waste types**
AR1	Section 4.7 Part A (1) (a) Any activity for the manufacture of a chemical which may result in the release of ammonia into the air, other than an activity in which ammonia is only used as a refrigerant.	Manufacture of potassium allophanate.	From receipt of raw materials to storage of finished product and intermediate storage.
	Directly Associated Activity		
AR2	Materials storage	Storage of raw materials, finished products, and collection and storage of wastes.	From receipt of materials to the transfer of materials to dedicated storage areas.
AR3	Boiler system	Boiler No.2 (3.83MW).	Includes oil receipt and storage, transfer of steam to process and condensate handling and treatment.
Activity reference	**Description of activities for waste operations**	**Limits of activities**	
AR4	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 D1 to D12.	Treatment operations shall be limited to: - Storage and treatment of stormwater arising from both within the installation boundary and outside of the installation boundary highlighted in the area in blue in Drawing Figure 4-1 (Drainage infrastructure and extent of stormwater collection for treatment) in Schedule 7). Disposal of treated stormwater to River Wenning (unless agreed in writing by the Environment Agency). - All areas have been designated as having the potential for PFAS contamination. - Daily treatment of stormwater shall not exceed 50 tonnes (50m^3).	

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application for variation EPR/XP3832NV/V002	Operating techniques described in the application and supporting information where they reference the production of potassium allophanate.	Duly made 25/10/2013
Application EPR/XP3832NV/V004	Operating techniques in document “Application to Vary an Environmental Permit” Version 2.0, June 2025, submitted in response to Question 3a, Technical Standards, in Application Form, C3.	Duly made 27/06/2025
Response to Schedule 5 Notice dated 07/08/2025	Operating techniques described in the response to the Notice (including accompanying information): - Q2 on drainage management to separate stormwater from high and low PFAS risk areas of site. - Q3 on frequencies of cleaning and inspecting drains, sumps and pipework. - Q4b on use of PAC in conjunction with SAFF. - Q6 on inspection of temporary storage areas. - Q8 on stormwater transfer from IBCs to treatment train. - Q10 on level controls in pre- and post-treatment tanks. - Q12 on sampling and testing of stormwater prior to emission and increased testing in initial operating period. - Q13 on filling and discharge of pre- and post-treatment tanks. - Q16 on PLC operation to manage emission of treated stormwater. - Q17 on prevention of PAC carryover into treated stormwater. - Q18 on management of treated stormwater that exceeds PFOS limit for emission. - Q20 on inspections carried out onsite.	05/09/2025
Response to Request for Further Information (RFI) dated 15/08/2025	Operating techniques described in the response to the RFI (including accompanying information): - Q2 on emission management through SP2 and SP5.	05/09/2025
Response to Request for Further Information dated 02/09/2025	Operating techniques described in the response to the RFI (including accompanying information): - Q6 on sampling and testing of post-treatment stormwater.	25/09/2025
Additional information	Operating techniques including accompanying information on vessel and venting to atmosphere management.	10/10/2025
Additional information	Operating techniques associated with the testing of stormwater for PFAS substances.	04/11/2025
Additional information	Operating techniques including accompanying information on: - stormwater containment and bunding. - scope of environmental management system including staff training, staff responsibilities and systems to ensure compliance with all environmental permit requirements.	17/12/2025

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
EMISSIONS TO AIR (EMISSION POINT A1)		
IC1	The Operator shall undertake an investigation into alternative sulphide removal agents, with the objective of minimising the releases of hydrogen sulphide during the neutralisation process. The results of the investigation, detailing any identified alternatives and identifying implementation time-scales shall be provided to the Agency in writing.	Complete
IC2	The Operator shall install a monitor on the thermal oxidiser for the continuous measurement of oxides of nitrogen and sulphur dioxide. The monitor shall have MCERTS certification and the requirements of Environment Agency Technical Guidance Notes M1 and M2 shall be taken into account. Confirmation in writing shall be submitted to the Agency on installation of the equipment.	Complete
EMISSIONS TO AIR (EMISSION POINT A2)		
IC3	The Operator shall develop and implement a procedure for replacement of scrubber liquor through a robust Process Operating Procedure. The procedure shall be submitted for approval by the Agency.	Complete
IC4	The Operator shall install interlocked flow monitoring equipment into the scrubber control system at release point A2, as defined in Table S4.1 of this permit. Confirmation in writing shall be submitted to the Agency on installation of the equipment.	Complete
EMISSIONS TO AIR (EMISSION POINTS A3 AND A4)		
IC5	The Operator shall undertake an investigation of the potential abatement options from release points A3 and A4, as defined in Table S4.1 of this permit, with the objective of minimising odour impact. A report shall be provided, detailing any identified abatement options and implementation time-scales for approval by the Agency.	Complete
EMISSIONS TO AIR (EMISSION POINT A5)		
IC6	The Operator shall investigate the potential to duct the release from emission point A5, as defined in Table S4.1 of this permit, via the thermal oxidiser with the objective of minimising emissions to air. A report shall be provided, including any identified improvements and implementation time-scales for approval by the Agency.	Complete
EMISSIONS TO AIR (EMISSION POINTS A6 AND A7)		
IC7	The Operator shall quantify the emissions of sulphur dioxide and investigate ways of minimising the releases from emission points A6 and A7, as defined in Table S4.1 of this permit. A report shall be provided, including any identified improvements and implementation time-scales for approval by the Agency.	Complete
EMISSIONS TO WATER		
IC8	The Operator shall present a BAT options appraisal for the waste water storage and treatment facilities at the installation. The appraisal shall include the on-site treatment of effluent in accordance with the BAT requirements set out in Environment Agency Guidance Note (IPPC S4.02 Section 2.2) for the Organic Chemicals Sector and address the potential for releases from the lagoons. The appraisal shall include time-scales for implementation of the chosen option(s). The Operator shall submit the BAT appraisal for agreement by the Agency.	Complete
IC9	The Operator shall undertake monitoring and analysis of the releases from S1, as defined in Table S4.3 of this permit. The releases shall include any parameters omitted from the application, which have the potential to be present in the release, e.g. chlorides, fluorides, fuel oil and	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	List I and II substances. The requirements of Environment Agency Technical Guidance Note M18 shall be taken into account. The results from the monitoring shall be used to assess the environmental impact of the releases to water. The impact shall be assessed using the Agency's H1 Guidance or equivalent. The results of the monitoring and impact assessment shall be provided to the Agency in writing. The report shall be used to assess the requirement for setting any additional monitoring parameters.	
GENERAL		
IC10	The Operator shall develop and implement an accident management plan, having regard to the Agency Guidance Note (IPPC S4.02 Section 2.8) for the Organic Chemicals Sector. The plan shall be submitted for approval by the Agency.	Complete
IC11	The Operator shall develop and implement a documented system of management techniques, having regard to the Agency Guidance Note (IPPC S4.02 Section 2.3) for the Organic Chemicals Sector. Confirmation in writing shall be submitted to the Agency to confirm the completion of the documented management system, and all documentation shall be available for inspection.	Complete
TREATMENT OF STORMWATER CONTAINING PFAS		
IC12	The Operator shall submit a written report to the Environment Agency for technical assessment and written approval that: - Proposes an optimised containment and bunding strategy for the site, with timescales for its implementation, once the accumulated volume of stormwater has been treated and removed from site. - Assesses the feasibility of installing level alarms and automated flow restrictions on the five pre-treatment stormwater storage tanks. The Operator shall implement any agreed proposals within the timescales approved by the Environment Agency.	31/12/2026
IC13	The Operator shall submit a written report to the Environment Agency for technical assessment and written approval that includes an updated Site Condition Report that includes the findings of the Stage 1-3 assessment following the approach set out in the European Commission Guidance concerning baseline reports under Article 22(2) of Directive 2010/75/EU on industrial emissions (2014/C 136/03) and submitted in application, EPR/XP3832NV/V004. This report shall include, but not be limited to: - Consideration of the potential for pollution by the substances identified in the submitted Stage 1-3 assessment. - Measures to mitigate pollution from these substances. - Results of any soil or groundwater intrusive sampling and testing to identify the presence of these substances within the installation boundary. - Any proposals for future work to minimise and/or identify ground contamination, with timescales, identified in the updated Site Condition Report including any further intrusive soil or groundwater sampling. The Operator shall implement any agreed proposals within the timescales approved by the Environment Agency.	30/09/2026
IC14	The Operator shall submit a written report to the Environment Agency for technical assessment and written approval that: - Details the performance and reliability of the SAFF/PAC treatment train in removing PFAS to ensure the treated stormwater complies	31/05/2027

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	with the permit emission limits required for its emission to the River Wenning. - Outlines the results of commissioning and further improvement trials to increase its efficacy in removal of both short- and long-chained PFAS. - Outlines if any improvements in the efficacy of the treatment train in removing short-chained PFAS, has allowed for better limits of detection in analytical PFAS testing. - Outlines proposals for any further improvements to the efficacy of the treatment train in removing PFAS. Following approval, the Operator shall implement any proposals within the timescales approved by the Environment Agency.	

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Medium fuel oil (boilers)	As defined in the Sulphur Content of Liquid Fuels Regulations 2007.

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (including unit)**	**Reference period**	**Monitoring frequency [Note 1]**	**Monitoring standard or method**
A7 [Point A7 on Figure – 4 – Emission Points]	Boiler 2 stack	No parameter set	No limit set	--	--	--
A9 [Allophanate plant as shown on revised site plan]	Ammonia scrubber	Ammonia	10 mg/m^3	Average across the sampling period	Six monthly	EN ISO 21877 or CEN TS 17337
A10	Vent from SAFF Tank 1 (receipt of influent)	No parameters set	No limit set	--	--	--
A11	Vent from SAFF Tank 2 (treated stormwater)	No parameters set	No limit set	--	--	--
A12	Vent from SAFF Tank 3A (venting via a 400litre vapour carbon vessel)	No parameters set	No limit set	--	--	--
Note 1: Monitoring frequency may be reduced by prior agreement in writing by the Environment Agency.						

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method (Note 3)**
W1 (SD 66580 69047)	Uncontaminated roof drainage and uncontaminated run-off	No parameters set	No limits set	--	--	--
W2 (Emission point to River Wenning = SD6632168792. Sampling point location = SD6648969053)	Stormwater exiting PFAS Treatment Plant	PFOS	10ng/l	Flow proportionate composite sample over monitoring period	Weekly (Note 1)	ISO21675:2019; US EPA Method 1633A or as agreed in writing by the Environment Agency.
		PFOA	10ng/l	Flow proportionate	Weekly	ISO 21675:2019; US

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method (Note 3)**
				composite sample over monitoring period	(Note 1)	EPA Method 1633A or as agreed in writing by Environment Agency.
		PFNA	No limit set	Flow proportionate composite sample over monitoring period	Weekly (Note 1)	ISO 21675:2019; US EPA Method 1633A or as agreed in writing by Environment Agency.
		PFHxS	No limit set	Flow proportionate composite sample over monitoring period	Weekly (Note 1)	ISO 21675:2019; US EPA Method 1633A or as agreed in writing by Environment Agency.
		PFAS testing suite outlined in DWI list of PFAS to be monitored by water companies in England & Wales	No limit set	Flow proportionate composite sample over monitoring period	Weekly (Note 1)	ISO 21675:2019; US EPA Method 1633A or as agreed in writing by Environment Agency.
		Cadmium (and its compounds)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586
		Chromium (total)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586
		Chromium (VI) (dissolved)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 18412, BS EN ISO 23913
		Copper	No limit set	Flow proportionate composite	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method (Note 3)**
				sample over monitoring period		
		Lead (and its compounds)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586
		Nickel (and its compounds)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586
		Zinc	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586
		Sulphate (SO_4)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 10304-1, BS ISO 15923-1
		Dichloromethane	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	ISO 11423-1, -2.
		Cetyl trimethyl ammonium chloride (CTAC)	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	ASTM D5806
		Arsenic	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS ISO 17378-1; BS ISO 11378-2
		Mercury	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN 12846, BS EN ISO 17852

Table S3.2 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. unit)**	**Reference Period**	**Monitoring frequency**	**Monitoring standard or method (Note 3)**
		Vanadium	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 11885, BS EN ISO 15586
		Benzene	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 15680; BS EN ISO 20595; ISO 17943:2016.
		Toluene	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 15680; BS EN ISO 20595; ISO 17943:2016.
		Naphthalene	No limit set	Flow proportionate composite sample over monitoring period	Quarterly (Note 2)	BS EN ISO 15680
		Flowrate	48m^3/day	Continuous	Daily	MCERTS accredited flow meter
Note 1: Sampling and analyses to be carried out weekly for first three months and thereafter monthly on receipt of written approval from the Environment Agency.						
Note 2: Sampling and analyses to be carried out quarterly for first twelve months and thereafter annually on receipt of written approval from the Environment Agency.						
Note 3: Or as agreed in writing by the Environment Agency.						

Table S3.3 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. Unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
S1 [SD663691]. Release to sewer for treatment at High Bentham sewage treatment works.	Process water and un-contaminated surface water run off	Flow rate	No limit set	Monthly average	Continuous	MCERTS calibrated flow meter

Table S3.4 Process monitoring requirements				
Emission point reference or source or description of point of measurement	**Parameter**	**Monitoring frequency**	**Monitoring standard or method**	**Other specifications**
Emission from SAFF/PAC treatment train into post-treatment stormwater storage tanks prior to emission to the River Wenning.	PFOS, PFOA	Prior to discharge of each batch of treated stormwater	ISO 21675:2019; US EPA Method 1633A or as agreed in writing by Environment Agency.	Concentration must be <10ng/l PFOS to allow emission to occur.
Emission from SAFF/PAC treatment train into post-treatment stormwater storage tanks prior to emission to the River Wenning.	PFNA, PFHxS	Prior to emission of each batch of treated stormwater	ISO 21675:2019; US EPA Method 1633A or as agreed in writing by Environment Agency.	An investigation into the causes must be carried out and a report must be sent to the Environment Agency outlining the findings and recommendations of that investigation should concentrations of PFNA or PFHxS exceed 10ng/l.
Pre-treated stormwater	PFAS determinand suite outlined in DWI list of PFAS to be monitored by water companies in England & Wales	Annual	ISO 21675:2019; US EPA Method 1633A or as agreed in writing by Environment Agency.	--

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	**Emission or monitoring point/reference**	**Reporting period**	**Period begins**
Point source emissions to air Parameters as required by condition 3.5.1	A9	Every 6 months	1 January, 1 July
Point source emissions to water (other than sewer) Parameters as required by condition 3.5.1	W2	Every 3 months	1 January, 1 April, 1 July, 1 October
Point source emissions to sewer Parameters as required by condition 3.5.1	S1	Every 6 months	1 January, 1 July
Process monitoring Parameters as required by condition 3.5.	Emission from SAFF/PAC treatment train into post-treatment stormwater storage tanks prior to emission to River Wenning.	Every 3 months	1 January, 1 April, 1 July, 1 October
	Pre-treated stormwater	Every 12 months	1 January

Table S4.2 Performance parameters		
Parameter	**Frequency of assessment**	**Units**
Water usage	Annually	m^3
Energy usage	Annually	MWh
Total bulk raw materials used	Annually	tonnes
Waste produced/recovered	Annually	tonnes

Table S4.3 Reporting forms		
Parameter	**Reporting form**	**Form version number and date**
Point source emissions to air	Emissions to Air Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Point source emissions to water (other than sewer)	Emissions to Water Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Point source emissions to sewer	Emissions to Sewer Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Process monitoring	Process Monitoring Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Table S4.3 Reporting forms		
Parameter	**Reporting form**	**Form version number and date**
Water usage	Water Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 08/03/2021

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

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

Time periods for notification following detection of a breach of a limit	
Parameter	**Notification period**

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

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

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	

Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

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

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

“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.

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

“PFAS” means per- and polyfluoroalkyl substances.

“PFHxS” means perfluorohexane sulfonic acid (one of the PFAS family of chemicals).

“PFNA” means perfluorononanoic acid (one of the PFAS family of chemicals).

“PFOA” means perfluorooctanoic acid (one of the PFAS family of chemicals).

“PFOS” means perfluorooctane sulfonic acid (one of the PFAS family of chemicals).

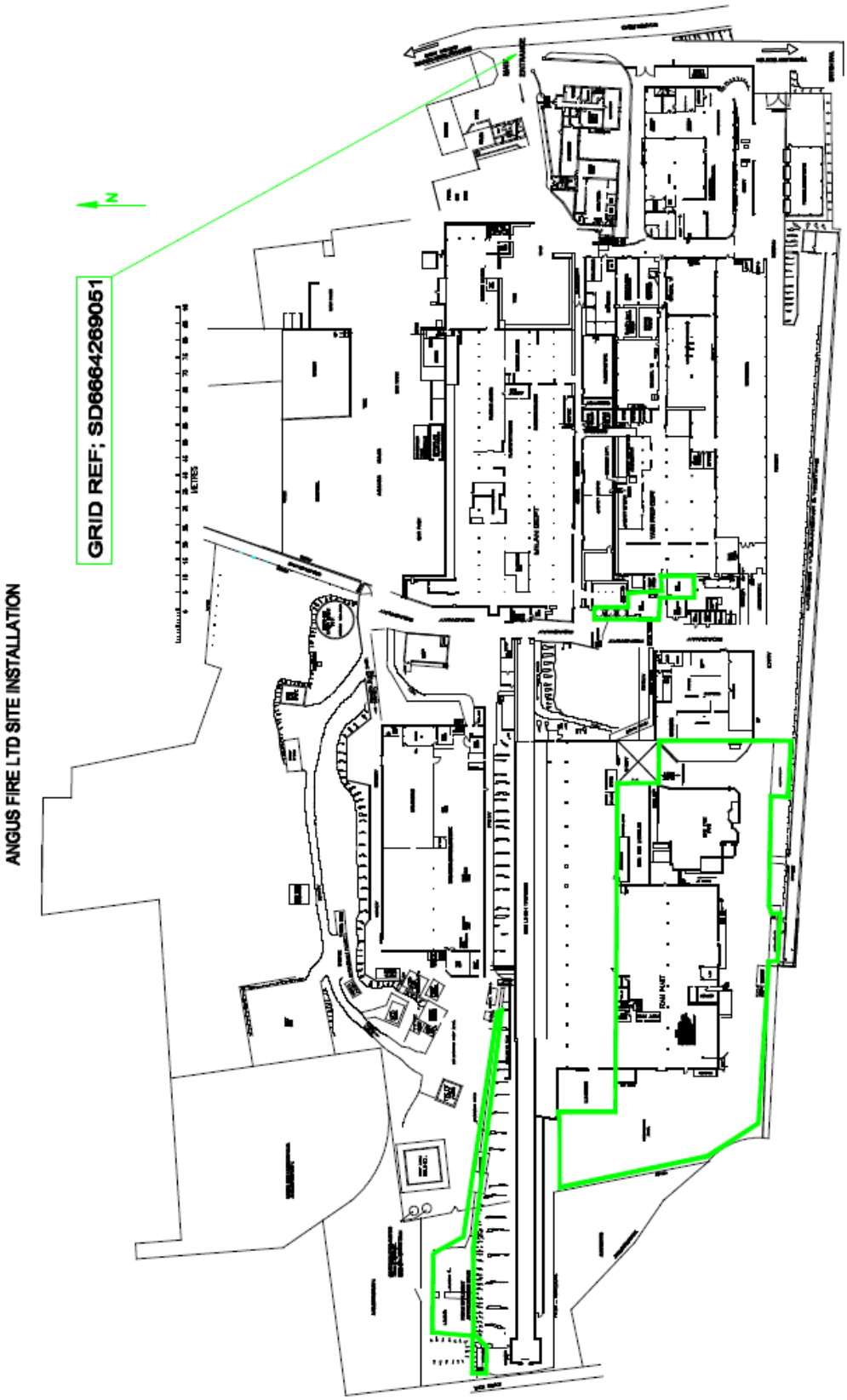
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

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

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

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



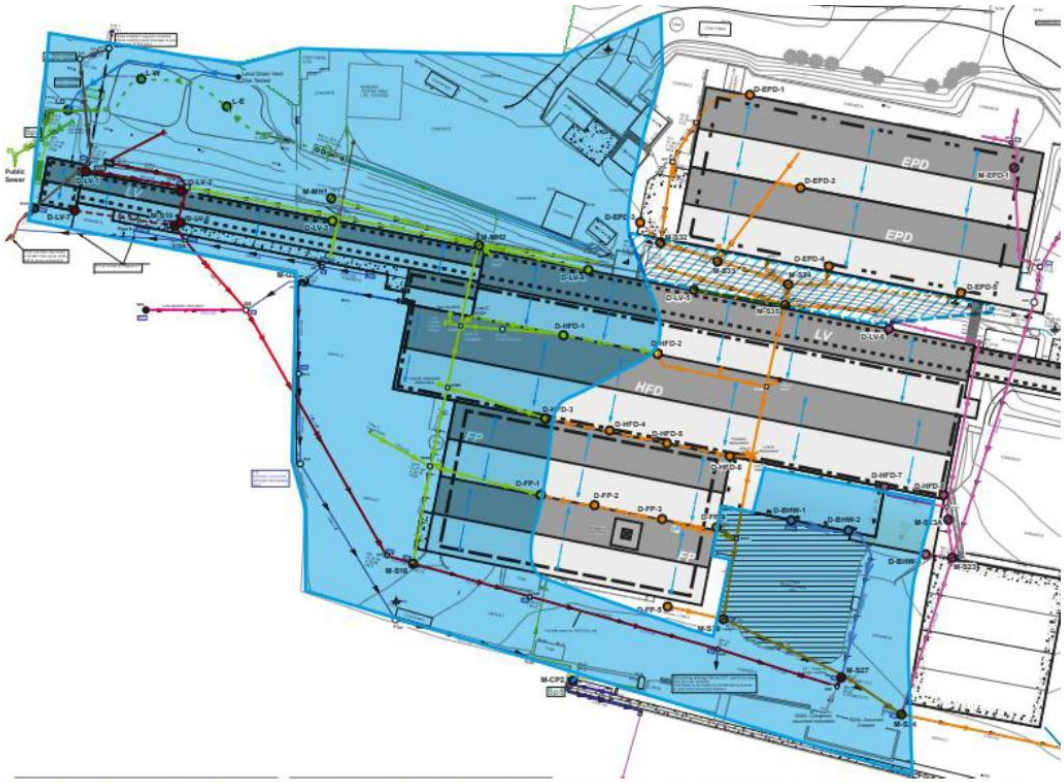


Figure 4-1. Drainage infrastructure and extent of stormwater collection for treatment

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.

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.