Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Cleansing Service Group Limited

CSG Botley Treatment Plant
Woodhouse Lane
Botley
Southampton
Hampshire
SO30 2GD

Variation application number

EPR/PP3036MQ/V003

Permit number

EPR/PP3036MQ

CSG Botley Treatment Plant
Permit number EPR/PP3036MQ

Introductory note

This introductory note does not form a part of the notice

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

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

This permit variation adds a new waste operation for a non-hazardous liquid waste treatment process for domestic sewage waste.

The sewage waste will be accepted on site from dedicated CSG road tankers. It will initially undergo a physical screening process to remove larger solids and stones. The waste will then be transferred to a bunded storage tank for incoming waste. The liquid waste will then be processed through a two-phase centrifuge which, with flocculant addition, will remove most of the suspended solids. Lime is added to the filter cake to kill any remaining pathogens and mitigate any residual odour. The recovered filter cake solids will be sent from site for beneficial use on land and aqueous effluent stored in a dedicated bunded tank for treated waste before discharge to sewer through the existing site permitted discharge.

CSG implements waste handling, storage and mitigation systems for the control of odour and noise which have the most potential impact on off-site receptors. An odour abatement system operates to mitigate the odour from the storage tanks and process building. Solid waste skips are located outside of buildings for the filter cake and rag waste from screening. These are stored and managed to minimise any odour arising from them. The rag skip is permanently covered when waste is not being added to it and the filter cake skip is also enclosed when the conveyer feeding the skip is not in use.

Noise mitigation has been applied to the odour abatement unit fan to ensure it does not cause adverse impact offsite.

This permit variation also removes a Directly Associated Activity (DAA) for a combustion plant (boiler fired by gas oil at <3MW) which is not present on site and amends the reporting frequency in Table S4.1.

Cleansing Service Group Limited (CSG) continues to operate at the Botley site an existing treatment plant for liquid wastes – both hazardous (because they contain oils) and non-hazardous. This operation, which is not changing as a result of this variation, essentially separates oil and water in wastes received by basic gravity separation using residence time in a series of tanks.

The recovered oil is sent from site for further treatment prior to its use as a recovered fuel oil. The aqueous wastes are treated by pH adjustment, chemical treatment and further gravitational settlement before discharge to sewer under a trade effluent consent.

The site is located in Botley approximately seven miles east of Southampton. It is bordered by Woodhouse Lane and the A334 (Broad Oak) with access to the site off Woodhouse Lane. Directly adjacent to the south of the site are a petrol station, convenience store and used car dealership. The closest residential receptors to the site are located at Broad Oak Flats, 30m to the southeast of the new permitted process.

The site is within 10km of River Itchen and Solent Maritime Special Conservation Areas and Solent & Dorset Coast and Solent & Southampton Water Special Protection Areas. The site is within 2km of Moorgreen Meadows and Upper Hamble Estuary & Woods Sites of Special Scientific Intertest.

There are numerous local wildlife sites, local nature reserves and ancient woodlands within 2km of the site.

CSG operates an environmental management system certified to ISO14001.

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 PP3036MQ received	31/01/2007	
Additional information received	27/08/2007	Response to Schedule 4 Notice.
Additional information received	25/09/2007	
Permit determined EPR/PP3036MQ/A001	18/10/2007	Original permit issued to Cleansing Service Group Limited.
Application EPR/PP3036MQ/V002 (variation and consolidation)	Duly made 19/08/2013	Application to vary and consolidate previous variations.
Additional information received	19/08/2013	Revised storage and treatment capacity.
Variation determined EPR/PP3036MQ	25/09/2013	Varied and consolidated permit issued.
Application EPR/PP3036MQ/V003 (variation and consolidation)	Duly made 28/07/2022	Application to vary the permit to add a sewage treatment plant.
Additional information received. Response to Schedule 5 Notice issued 02/09/22	02/10/2022	- Demonstration of recovery rather than disposal operation. - Odour abatement including updated Odour Management Plan. - Containment. - Raw material and water usage efficiency. - Compliance against 'Non-Hazardous and Inert Waste: Appropriate Measures for Permitted Facilities'. - Waste codes to be accepted for the facility. - Discharge to sewer. - Noise management.
Additional information received. Response to Schedule 5 Notice issued 04/01/23	23/01/2023 & 27/01/2023	- Odour control and abatement. - Additional justification of recovery rather than disposal operation. - Types of wastes to be accepted. - Containment. - Noise.
Additional information received	05/05/2023	- Cleaning out and disposing of material in stone trap. - Control on filling waste reception tank (including overfilling protection measures).
Additional information received	03/07/2023	- Noise management plan. - Domestic waste acceptance procedures.
Additional information received	10/07/2023	- Updated Odour Management Plan. - Prevention of overfilling waste storage tank. - Operation of odour abatement unit.

Status log of the permit		
Description	**Date**	**Comments**
		- Management and control of rag and filter cake skips to mitigate odour arising. - Use of lime for solid stabilisation.
Additional information received	24/09/2023	- Updated list of EWC codes to be accepted. - Separation of hazardous and non-hazardous wastes. - Management of the receipt of wastes on site.
Additional information received	25/09/2023	- Management of rag and filter cake skips to prevent malodours arising. - Use of hydrogen sulphide as a suitable surrogate for total site odour.
Additional information received	24/10/2023	Confirmation that the site does not have a combustion plant (previously permitted as a Directly Associated Activity).
Additional information received	03/11/2023	New site plan.
Additional information received	22/11/2023	New registered office address.
Additional information received	28/11/2023	- Monitoring and management of effluents from sewage treatment and oil treatment plants. - Updated odour sampling point.
Additional information received	04/12/2023	Integrity of odour treatment unit vessel.
Additional information received	08/01/2024	Confirmation of technical competence provision.
Variation determined and consolidation issued EPR/PP3036MQ (Billing Ref: QP3404MB, EAMWL 409163)	02/02/2024	Varied and consolidated permit issued in modern format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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

Permit number

EPR/PP3036MQ

Issued to

Cleansing Service Group Limited ("the operator")

whose registered office is

Fusion 3
1200 Parkway
Whiteley
Fareham
Hampshire
PO15 7AD

company registration number 00530446

to operate a regulated facility at

CSG Botley Treatment Plant
Woodhouse Lane
Botley
Southampton
Hampshire
SO30 2GD

to the extent set out in the schedules.

The notice shall take effect from 02/02/2024.

Name	Date
Vicky Patchett	**02/02/2024**

Authorised on behalf of the Environment Agency

Schedule 1

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

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/PP3036MQ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/PP3036MQ/V003 authorising,

Cleansing Service Group Limited ("the operator"),

whose registered office is

Fusion 3
1200 Parkway
Whiteley
Fareham
Hampshire
PO15 7AD

company registration number 00530446

to operate an installation and waste operations at

CSG Botley Treatment Plant
Woodhouse Lane
Botley
Southampton
Hampshire
SO30 2GD

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

Name	Date
Vicky Patchett	**02/02/2024**

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 AR9), 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 AR9), the operator shall:

(a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;

(b) maintain records of raw materials and water used in the activities;

(c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and

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

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

(a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and

(b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and

(c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").

2.1.2 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR9), waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

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

2.3 Operating techniques

2.3.1 For the following activities referenced in schedule 1, table S1.1 (AR1 to AR9), the activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

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

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

2.3.4 Waste shall only be accepted if:

(a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3, S2.4 and S2.5; and

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

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

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

(b) the composition of the waste;

(c) the handling requirements of the waste;

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

(e) the waste code of the waste.

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

Hazardous waste storage and treatment

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

2.4 Improvement programme

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

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

2.5 Pre-operational conditions

2.5.1 The operations specified in schedule 1 table S1.4 shall not commence until the measures specified in that table have been completed.

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.

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.

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 AR9), 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)(ii): Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment.	Blending and dewatering of waste oil; dispatch for further treatment, including recovery activities R3 and R13 and storage of waste arising from the treatment process.	From receipt of wastes in Tables S3.2 and S3.4 to dispatch of waste oil for recovery, including storage of solid wastes arising from treatment in RORO container in Zone 4, prior to offsite disposal. The total amount treated shall not exceed 18,000 tonnes per year. Maximum storage time of 6 months from date of receipt of any waste. Waste must only be stored in the Areas identified on the site plan in Schedule 7.
AR2	Section 5.4 Part A(1)(a)(ii): Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical 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 operations numbered D1 to D12, including the storage of waste arising from the treatment process.	From receipt of wastes in table S3.3 to the discharge of effluent to sewer at S1, including the storage of solid wastes from treatment in RORO container in Zone 4, prior to offsite disposal. The total amount treated shall not exceed 46,000 tonnes per year. Maximum storage time of 6 months from date of receipt of any waste. Waste must only be stored in the Areas identified on the site plan in Schedule 7.
AR3	Section 5.6 Part A(1)(a): Temporary storage of hazardous waste with a total capacity exceeding 50 tonnes pending any of the activities listed in Sections 5.1, 5.2, 5.3 and paragraph (b) of this Section.	Temporary storage of hazardous waste.	Waste types and quantities as specified in tables S3.2 and S3.4. Maximum storage time of 6 months from date of receipt of any waste. Waste must only be stored in the Areas identified on the site plan in Schedule 7.
	Directly Associated Activity		
AR4	Storage of waste for Raw Material Substitutes	Storage of waste (D15 & R13) suitable for raw material substitute for use in the oil/water separation and aqueous treatment process.	Waste types: 06 01 01*, 06 01 02*, 06 02 04*, 08 03 16*,11 01 05*, 16 03 03*, 16 05 07*, 19 02 11*, 20 01 14*, 20 01 15* only.

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**
		Storage of waste (D15) suitable for raw material substitute for use in the aqueous treatment process	Waste type: 16 09 04*
AR5	Empty hazardous waste container washing	R3/R4 – washing of containers containing hazardous residues prior to reuse or recycling off site	To be carried out in Zone 1 in front of reception pit
AR6	Empty non- hazardous waste container washing	R3/R4 – washing of containers containing non-hazardous residues prior to reuse or recycling off site	To be carried out in Zone 1 in front of reception pit
AR7	Empty non- hazardous waste container crushing	R3/R4 – crushing of containers containing non-hazardous residues prior to metal recycling off site	To be carried out in Zone 1 in front of reception pit
AR8	Empty container storage	R3/R4 – storage of containers prior to reuse or recycling	To be stored in Zone 4
AR9	Final effluent storage (non-hazardous)	Storage of treated effluent prior to discharge to sewer	To be stored in Tanks 3 and 4
Activity reference	**Description of activities for waste operations**		**Limits of activities**
AR10	Physical treatment of non-hazardous waste for the purposes of recovery. R13: Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced). R3: Recycling/reclamation of organic substances which are not used as solvents.		Waste types specified in S2.5. From receipt of non-hazardous liquid waste to storage, handling and treatment via screening, centrifuge and neutralisation, to dispatch from site via sewage discharge and recovery of solids. Treatment of all sewage wastes to be carried out within an enclosed building. Storage of all sewage wastes incoming to site and products/wastes outgoing from site to be carried out on impermeable surfacing. Maximum storage capacity 280m^3 at any one time. Throughput shall be no more than 46,000m^3 per annum for all non-hazardous waste activities on site.

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Application	The response to section 2.1 and 2.2 in the Application, excluding: - sections B2.1.1, B2.1.11, B2.1.21 - drawing numbers CSG/BOT/A3/01 dated 10/10/06, CSG/BOT/A4/01 dated 30/11/06. - D1 tables from Appendix D of the Application Site Report	31/01/2007
Schedule 4 Notice request dated 12/07/07	Response to all questions, in particular but not limited to: - updated sections: B1.1.1, B1.4.1, B1.4.2, B2.1.1, B2.1.11, B2.1.21. - updated Drawing numbers CSG/E013665/SD4/01 dated 20/08/07 and CSG/E013665/S4G/01 dated 21/08/07. - updated waste code D1 tables.	27/08/2007
Email concerning the receipt of other hazardous wastes containing oil 13/09/07	All	25/09/2007
Application EPR/PP3036MQ/V002	Drawings referenced: CSG/BOT/A3/02 and CSG/BOT/A4/02 dated 04/07/2013 showing the site layout and processing zones.	09/07/2013
	Letter from the applicant setting out the technical standards of the tanks and bunds.	19/08/2013
Application EPR/PP3036MQ/V003	Operating techniques and technical standards included in documents submitted in response to Part C3 (Section 3 Operating Techniques) of the application form: - C2.6 Environmental Risk Assessment. - NDML2 STP Waste Acceptance Procedures. - NDML15 Assessment against appropriate measures. - NDML16 CM 1.02 CSG Management System Manual.	Duly made 28/07/2022
Response to Schedule 5 Notice dated 02/09/22	Operating techniques described in the responses to the questions in the Notice (including accompanying information): - Question 1 on operation to ensure compliance to effluent discharge limits and solids land use specifications. - Question 6 on operation of stone trap. - Question 9 on which potentially odorous gas streams are vented to the odour abatement unit. - Question 10 on management and control of odour abatement unit. - Question 11 on handling releases of malodorous materials. - Question 12 on use of lime to reduce residual odour. - Question 14 on inspections, maintenance and management to reduce noise.	02/10/2022
Response to Schedule 5 Notice dated 04/01/23	Operating techniques described in the responses to the questions in the Notice (including accompanying information): - Questions 4, 5, 6, 7 and 11 on odour control measures on site. - Question 12 on sampling and analysis of incoming wastes. - Question 15 on handling a large spillage of potentially odorous materials.	23/01/2023 & 27/01/2023

Table S1.2 Operating techniques		
Description	**Parts**	**Date Received**
Additional information received	- Cleaning out and disposing of material in stone trap. - Filling waste reception tank (including measures to prevent overfilling).	05/05/2023
Additional information received	Domestic waste acceptance and checking.	03/07/2023
Additional information received	Lime process control measures.	10/07/2023

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
IC1	The Operator shall ensure that a review of the design, method of construction and integrity of all bunds surrounding above ground tanks be carried out by a qualified structural engineer. This shall compare existing bunds against the standards set out in Section 2.2.5 of Sector Guidance Note IPPC S5.06 dated December 2004, CIRIA Report 163 on the Construction of Bunds for Oil Storage Tanks with a tank capacity of < 25 m^3 (ISBN: 0 86017 468 9), and CIRIA Report 164 on Design of Containment Systems for the prevention of water pollution from industrial incidents, for tanks with a capacity of > 25 m^3 (ISBN: 0 86017 476X). The review shall include: ▪ the physical condition of the bunds, ▪ their suitability for providing containment when subjected to the dynamic and static loads caused by catastrophic tank failure, ▪ any work required to ensure compliance with the standards set out in CIRIA Reports 163 and 164 for reinforced concrete or masonry bunds, and ▪ suggested preventative maintenance & inspection regime, A written report of the review shall be submitted to the Agency detailing the review's findings and recommendations. Remedial action shall be taken to ensure all bunds meet the standards set out in the above documents and implement the maintenance and inspection regime.	Complete Complete
IC2	The Operator shall ensure that a review of the integrity of the drainage sumps, reception pit, dig out pit, all storage tanks, associated surface and subsurface pipework and site surfacing against the requirements of Sections 2.1.3 and 2.2.5 of Sector Guidance Note IPPC S5.06, dated December 2004, be carried out by a qualified structural engineer. The review shall identify any measures necessary to meet those requirements and propose a time scale for implementing them. A written report of the review shall be submitted to the Agency detailing the reviews findings and recommendations. Remedial action shall be taken to ensure all tanks and surfacing meet the standards set out in the above documents and implement the maintenance and inspection regime.	Complete Complete
IC3	The Operator shall carry out an assessment of the measures that are in place to reduce the risk of a pollution incident caused by firewater. The review shall include: ➢ consideration of the principals set out in PPG 18 – Managing Fire-water	Complete

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	and major spillages. ➢ Identification of any improvements necessary in order to minimise the risk of a pollution incident caused by firewater. A written report summarising the assessment and any necessary improvements shall be submitted to the Agency. The Report shall include timescales for the Operator to implement the improvements.	
IC4	The Operator shall carry out works identified in their improvement plan that accord with section 2.1.3 of Sector Guidance Note IPPC S5.06, December 2004 which include: • Installation of updated level indication equipment on tanks. • Colour coding of manholes. • Clear tank and pipework labelling. • CCTV survey of pipework.	Complete
IC5	The Operator shall provide and maintain monitoring of effluent flow to sewer to the MCERTS standard, unless otherwise agreed in writing by the Agency. A copy of the first MCERTS site conformity inspection certificate shall be submitted to the Agency.	Complete
IC6	The Operator shall undertake a waste minimisation audit in accordance with Section 2.4.2 of Sector Guidance Note IPPC S5.06, dated December 2004. The audit shall be submitted to the Agency in writing with a timetable of improvements to be undertaken.	Complete
IC7	The Operator shall undertake an energy use audit in accordance with Section 2.7.2 of Sector Guidance Note IPPC S5.06, dated December 2004. The audit shall be submitted to the Agency in writing with a timetable of improvements to be undertaken.	Complete
IC8	The Operator shall undertake a water use audit in accordance with Section 2.4.3 of Sector Guidance Note IPPC S5.06, dated December 2004. The audit shall be submitted to the Agency in writing with a timetable of improvements to be undertaken.	Complete
IC9	The operator shall submit a written report to the Environment Agency for technical assessment and written approval that reviews the efficiency of the odour abatement system and site odour mitigation measures to determine whether the measures have been effective and adequate to prevent, and where not possible, to minimise malodorous emissions released to air. The report shall include, as a minimum, the following: - A review of efficiency of the odour abatement unit including the performance of the different layers of odour abatement media. - A review of the suitability of using hydrogen sulphide as a surrogate for all odour detected on and off-site. - A review of the trigger level of hydrogen sulphide that is used in site operation to precipitate action on site. - A review of all routine odour testing results carried out during the period of the permit. - A review of success of remedial actions undertaken to reduce odour when the hydrogen sulphide trigger level is exceeded. - A review of any complaints received relating to odour on site including identification of the cause of odour and success of response actions carried out should such complaints have been justified.	31/05/2024

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	- A review of the odour generated from the rag skip and the filter cake skip. - A review of the efficiency of covering the rag skip and filter cake skip to minimise odour. - A review of the frequencies of removal of the rag skip and filter cake skip from site in order to prevent build-up of malodours on site. - An updated Odour Management Plan to incorporate the findings of the reviews on odour abatement efficiency and odour sources following operation of the plant. - An improvement programme with defined actions and timescales to reduce odour being generated on site should the review indicate existing systems are insufficient to do so or odour from the new sources is greater than expected. The operator shall implement the actions in line with the timescales as approved by the Environment Agency.	
IC10	The operator shall submit a written report to the Environment Agency for technical assessment and written approval that reviews the minimisation of odour arising from the rag skip and the filter cake skip. This report shall include, as a minimum: - A review of the size and storage location of these waste skips. - A review of the odour detected in proximity to these skips. - A review of the methods of covering these skips and the means by which wastes are deposited in these skips. - A review of the maximum storage times these skips are retained on site. - Proposals for the management of these skips to further reduce odour generated from them. The operator shall implement the actions in line with the timescales as approved by the Environment Agency.	31/05/2024
IC11	The operator shall submit a written report to the Environment Agency for technical assessment and written approval that reviews the efficiency of the noise mitigation measures on site to determine whether the measures have been effective and adequate to prevent, and where not possible, to minimise noise emissions from the site. The report shall include, as a minimum, the following: - An updated Noise Impact Assessment against the requirements of BS4142:2014+A1:2019 using actual noise data from all new and existing operational equipment during all site operational periods. - The efficiency of the noise mitigation abatement installed on the odour abatement system fan and associated equipment to reduce its noise. - A review of all routine noise testing results carried out during the period of the permit. - A review of any complaints received relating to noise on site including identification of the cause of noise and success of response actions carried out should such complaints have been justified. - A review of the predicted noise impacts at all the currently permitted hours of operation of the site (particularly early morning) with a demonstration that noise levels are sufficiently low to permit their continued operation at these hours or with a proposal to amend the operating hours of the site to remove operation at the most sensitive periods for noise. - An updated Noise Management Plan to incorporate the findings of the noise impact assessment and the predicted noise impacts following operation of the plant.	31/05/2024

Table S1.3 Improvement programme requirements		
Reference	**Requirement**	**Date**
	- An improvement programme with defined actions and timescales to reduce noise being generated on site should the review indicate existing systems are insufficient to do so. The operator shall implement the actions in line with the timescales as approved by the Environment Agency.	
IC12	The operator shall submit a written report to the Environment Agency for technical assessment and written approval that assesses the stability of the composition of the incoming sewage waste stream. The report shall include, as a minimum, the following: - The analyses, against all the parameters in the trade effluent consent, of a minimum of twelve samples taken from sewage tanker deliveries over a period of at least three months with a minimum of one week between each waste sample. - An assessment of the standard deviation of each analytical parameter. - An assessment of the stability of the composition of the incoming sewage waste stream. - A proposal, with defined actions and timescales, for increased routine sampling and testing of incoming sewage waste, if it cannot be demonstrated that the composition of this waste stream is stable. The operator shall implement the actions in line with the timescales as approved by the Environment Agency.	30/06/2024
IC13	The operator shall submit a written report to the Environment Agency for technical assessment and written approval to confirm either: - the absence of non-sanitary pollutants within the incoming sewage waste stream and the discharge from the sewage treatment plant to Southern Water Wastewater Treatment Plant or - that no adverse environmental impact is being caused by any non-sanitary pollutants present in the effluent discharged to Southern Water Waste Water Treatment Plant. This report shall include, as a minimum: - The results of analytical testing of a minimum of twelve samples taken from sewage tanker deliveries over a period of at least three months with a minimum of one week between each waste sample for the non-sanitary pollutants in the operator's trade effluent consent o The analyses shall include all non-sanitary pollutants listed in the analysis of water-based liquid waste in Waste Treatment BAT-conclusions, BAT20, Table 6.2. - The results of analytical testing of a minimum of twelve samples from the sewage treatment plant discharge to Southern Water Wastewater Treatment Plant over a period of at least three months with a minimum of one week between each sample for the non-sanitary pollutants in the operator's trade effluent consent. - Demonstration that no non-sanitary pollutants are present in the incoming sewage waste or, if they are present, demonstration that they are not causing any adverse impact on the receiving environment by use of the Environment Agency's H1 risk assessment (or equivalent). - Any proposals, with timescales, to mitigate any adverse impact on the receiving environment should that be identified. The operator shall implement the actions in line with the timescales as approved by the Environment Agency.	30/06/2024

Table S1.4 Pre-operational measures for future development		
Reference	**Operation**	**Pre-operational measures**
PO1	Sewage Treatment Plant	At least two weeks before operation, the operator shall submit a report to the Environment Agency demonstrating that the noise mitigation measures at the odour abatement unit which were proposed in the Noise Impact Assessment have been implemented and will be fully operational when the sewage treatment plant commences operation.

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	**Specification**
Gas oil from 01/01/08	Not more than 0.1% sulphur w/w
Wastes to be used as substitute for Raw Materials	As specified in Table S1.1

Table S2.2 Permitted waste types and quantities for storage and treatment of waste oil.	
Maximum quantity	Maximum storage capacity 799m^3 for all wastes in Tables S2.2 and S2.4 Maximum treatment capacity 1010 tonnes per day for all wastes in Tables S2.2 and S2.4
Waste code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 05	**drilling muds and other drilling wastes**
01 05 05*	oil-containing drilling muds and wastes
05	**WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**
05 01	**wastes from petroleum refining**
05 01 05*	oil spills
05 01 06*	oily sludges from maintenance operations of the plant or equipment
05 01 12*	oil containing acids
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 19*	disperse oil
10	**WASTES FROM THERMAL PROCESSES**
10 02	**wastes from the iron and steel industry**
10 02 11*	wastes from cooling-water treatment containing oil
10 03	**wastes from aluminium thermal metallurgy**
10 03 27*	wastes from cooling-water treatment containing oil
10 04	**wastes from lead thermal metallurgy**
10 04 09*	wastes from cooling-water treatment containing oil
10 05	**wastes from zinc thermal metallurgy**
10 05 08*	wastes from cooling-water treatment containing oil
10 06	**wastes from copper thermal metallurgy**
10 06 09*	wastes from cooling-water treatment containing oil
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 07*	wastes from cooling-water treatment containing oil
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 19*	wastes from cooling-water treatment containing oil

Table S2.2 Permitted waste types and quantities for storage and treatment of waste oil.	
Maximum quantity	Maximum storage capacity 799m^3 for all wastes in Tables S2.2 and S2.4 Maximum treatment capacity 1010 tonnes per day for all wastes in Tables S2.2 and S2.4
Waste code	**Description**
12	**WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
12 01	**wastes from shaping and physical and mechanical surface treatment of metals and plastics**
12 01 07*	mineral-based machining oils free of halogens (except emulsions and solutions)
12 01 09*	machining emulsions and solutions free of halogens
12 01 10*	synthetic machining oils
12 01 19*	readily biodegradable machining oil
13	**OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS< AND THOSE IN CHAPTERS 05, 12 and 19)**
13 01	**waste hydraulic oils**
13 01 05*	non-chlorinated emulsions
13 01 10*	mineral-based non-chlorinated hydraulic oils
13 01 11*	synthetic hydraulic oils
13 01 12*	readily biodegradable hydraulic oils
13 01 13*	other hydraulic oils
13 02	**waste engine, gear and lubricating oils**
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
13 02 06*	synthetic engine, gear and lubricating oils
13 02 07*	readily biodegradable engine, gear and lubricating oils
13 02 08*	other engine, gear and lubricating oils
13 03	**waste insulating and heat transmission oils**
13 03 07*	mineral-based non-chlorinated insulating and heat transmission oils
13 03 08*	synthetic insulating and heat transmission oils
13 03 09*	readily biodegradable insulating and heat transmission oils
13 03 10*	other insulating and heat transmission oils
13 04	**bilge oils**
13 04 01*	bilge oils from inland navigation
13 04 02*	bilge oils from jetty sewers
13 04 03*	bilge oils from other navigation
13 05	**oil/water separator contents**
13 05 01*	solids from grit chambers and oil/water separators
13 05 02*	sludges from oil/water separators
13 05 03*	interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
13 05 08*	mixtures of wastes from grit chambers and oil/water separators
13 07	**wastes of liquid fuels**

Table S2.2 Permitted waste types and quantities for storage and treatment of waste oil.	
Maximum quantity	Maximum storage capacity 799m^3 for all wastes in Tables S2.2 and S2.4 Maximum treatment capacity 1010 tonnes per day for all wastes in Tables S2.2 and S2.4
Waste code	**Description**
13 07 01*	fuel oil and diesel
13 07 03*	other fuels (including mixtures)
13 08	**oil wastes not otherwise specified**
13 08 01*	desalter sludges or emulsions
13 08 02*	other emulsions
13 08 99*	wastes not otherwise specified restricted to - oil/fuel and water that is not in an oil/water separator, oil/fuel spillages that do not occur at a petrochemical facility, mixed oil/water from carriers rounds where the hazards remain the same
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 08*	wastes containing oil
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 07*	oil and concentrates from separation
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 10*	grease and oil mixture from oil/water separation other than those mentioned in 19 08 09
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 26*	oil and fat other than those mentioned in 20 01 25

Table S2.3 Permitted waste types and quantities for storage and treatment of non-hazardous waste.	
Maximum quantity	Maximum storage capacity 719m^3 Maximum treatment capacity 930 tonnes per day **Maximum throughput of 46,000 tonnes per annum across all non-hazardous waste operations (S2.3 and S2.5)**
Waste code	**Description**
01	**WASTES RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS**
01 04	**wastes from physical and chemical processing of non-metalliferous minerals**
01 04 13	wastes from stone cutting and sawing other than those mentioned in 01 04 07
01 05	**drilling muds and other drilling wastes**
01 05 04	freshwater drilling muds and wastes
01 05 07	barite-containing drilling muds and wastes other than those mentioned in 01 05 05 and 01 05 06

Table S2.3 Permitted waste types and quantities for storage and treatment of non-hazardous waste.	
Maximum quantity	Maximum storage capacity 719m^3 Maximum treatment capacity 930 tonnes per day **Maximum throughput of 46,000 tonnes per annum across all non-hazardous waste operations (S2.3 and S2.5)**
Waste code	**Description**
04	**WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES**
04 02	**wastes from the textile industry**
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16
05	**WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**
05 01	**wastes from petroleum refining**
05 01 10	sludges from on-site effluent treatment other than those mentioned in 05 01 09
05 01 13	boiler feedwater sludges
05 01 14	wastes from cooling columns
05 06	**wastes from the pyrolytic treatment of coal**
05 06 04	waste from cooling columns
06	**WASTES FROM INORGANIC CHEMICAL PROCESSES**
06 03	**wastes from the MFSU of salts and their solutions and metallic oxides**
06 03 14	solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
08	**WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
08 01	**wastes from MFSU and removal of paint and varnish**
08 01 12	waste paint and varnish other than those mentioned in 08 01 11
08 01 16	aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
08 02	**wastes from MFSU of other coatings (including ceramic materials)**
08 02 03	aqueous suspensions containing ceramic materials
08 03	**wastes from MFSU of printing inks**
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12
08 04	**wastes from MFSU of adhesives and sealants (including waterproofing products)**
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15
10	**WASTES FROM THERMAL PROCESSES**
10 01	**wastes from power stations and other combustion plants (except 19)**
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22
10 01 25	wastes from fuel storage and preparation of coal-fired power plants
10 01 26	wastes from cooling-water treatment
10 02	**wastes from the iron and steel industry**

Table S2.3 Permitted waste types and quantities for storage and treatment of non-hazardous waste.	
Maximum quantity	Maximum storage capacity 719m^3 Maximum treatment capacity 930 tonnes per day **Maximum throughput of 46,000 tonnes per annum across all non-hazardous waste operations (S2.3 and S2.5)**
Waste code	**Description**
10 02 12	wastes from cooling-water treatment other than those mentioned in 10 02 11
10 03	**wastes from aluminium thermal metallurgy**
10 03 28	wastes from cooling-water treatment other than those mentioned in 10 03 27
10 04	**wastes from lead thermal metallurgy**
10 04 10	wastes from cooling-water treatment other than those mentioned in 10 04 09
10 05	**wastes from zinc thermal metallurgy**
10 05 09	wastes from cooling-water treatment other than those mentioned in 10 05 08
10 06	**wastes from copper thermal metallurgy**
10 06 10	wastes from cooling-water treatment other than those mentioned in 10 06 09
10 07	**wastes from silver, gold and platinum thermal metallurgy**
10 07 08	wastes from cooling-water treatment other than those mentioned in 10 07 07
10 08	**wastes from other non-ferrous thermal metallurgy**
10 08 20	wastes from cooling-water treatment other than those mentioned in 10 08 19
10 09	**wastes from casting of ferrous pieces**
10 09 16	waste crack-indicating agent other than those mentioned in 10 09 15
10 10	**wastes from casting of non-ferrous pieces**
10 10 16	waste crack-indicating agent other than those mentioned in 10 10 15
11	**WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS: NON-FERROUS HYDRO-METALLURGY**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**
11 01 12	aqueous rinsing liquids other than those mentioned in 11 01 11
11 01 14	degreasing wastes other than those mentioned in 11 01 13
15	**WASTES PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 03	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
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 04	inorganic wastes other than those mentioned in 16 03 03
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

Table S2.3 Permitted waste types and quantities for storage and treatment of non-hazardous waste.	
Maximum quantity	Maximum storage capacity 719m^3 Maximum treatment capacity 930 tonnes per day **Maximum throughput of 46,000 tonnes per annum across all non-hazardous waste operations (S2.3 and S2.5)**
Waste code	**Description**
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 03	premixed wastes composed only of non-hazardous wastes
19 04	**vitrified waste and waste from vitrification**
19 04 04	aqueous liquid wastes from vitrified waste tempering
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 09	grease and oil mixture from oil/water separation containing edible oil and fats
19 08 14	sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09	**wastes from the preparation of water intended for human consumption or water for industrial use**
19 09 04	spent activated carbon
19 09 05	saturated or spent ion exchange resins
19 09 06	solutions and sludges from regeneration of ion exchangers
19 09 99	wastes not otherwise specified, restricted to waste arising from backwashing filters at Urban Waste Water Treatment Works
19 11	**wastes from oil regeneration**
19 11 06	sludges from on-site effluent treatment other than those mentioned in 19 11 05
19 13	**wastes from soil and groundwater remediation**
19 13 04	sludges from soil remediation other than those mentioned in 19 13 03
19 13 06	sludges from groundwater remediation other than those mentioned in 19 13 05
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 01	**separately collected fractions (except 15 01)**
20 01 25	edible oil and fat

Table S2.4 Permitted waste types and quantities for storage and treatment of hazardous waste that contains oil and possesses the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.	
Maximum quantity	Maximum storage capacity 799m^3 for all wastes in Tables S2.2 and S2.4 Maximum treatment capacity 1010 tonnes per day for all wastes in Tables S2.2 and S2.4
Waste code	**Description**
05	**WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL**
05 01	**wastes from petroleum refining**
05 01 03*	tank bottom sludges
05 01 09*	sludges from on-site effluent treatment containing dangerous substances
05 01 11*	wastes from cleaning of fuels with bases
08	**WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS**
08 01	**wastes from MFSU and removal of paint and varnish**
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
11	**WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS: NON-FERROUS HYDRO-METALLURGY**
11 01	**wastes from chemical surface treatment and coating of metals and other materials (for example galvanic processes, zinc coating processes, pickling processes, etching, phosphating, alkaline degreasing, anodising)**
11 01 11*	aqueous rinsing liquids containing dangerous substances
11 01 13*	degreasing wastes containing dangerous substances
12	**WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS**
12 03	**wastes from water and steam degreasing processes (except 11)**
12 03 01*	aqueous washing liquids
12 03 02*	steam degreasing wastes
15	**WASTES PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED**
15 02	**absorbents, filter materials, wiping cloths and protective clothing**
15 02 02*	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 03	**off-specification batches and unused products**
16 03 03*	inorganic wastes containing dangerous substances
16 05	**gases in pressure containers and discarded chemicals**
16 05 07*	discarded inorganic chemicals consisting of or containing dangerous substances
16 07	**wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)**
16 07 09*	wastes containing other dangerous substances
16 10	**aqueous liquid wastes destined for off-site treatment**

Table S2.4 Permitted waste types and quantities for storage and treatment of hazardous waste that contains oil and possesses the following hazardous properties: H14 Ecotoxic, H5 Harmful and H7 Carcinogenic.	
Maximum quantity	Maximum storage capacity 799m^3 for all wastes in Tables S2.2 and S2.4 Maximum treatment capacity 1010 tonnes per day for all wastes in Tables S2.2 and S2.4
Waste code	**Description**
16 10 01*	aqueous liquid wastes containing dangerous substances
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 01	**wastes from incineration or pyrolysis of waste**
19 01 06*	aqueous liquid wastes from gas treatment and other aqueous liquid wastes
19 02	**wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)**
19 02 04*	premixed wastes composed of at least one hazardous waste
19 02 05*	sludges from physico/chemical treatment containing dangerous substances
19 02 11*	other wastes containing dangerous substances
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 13*	sludges containing dangerous substances from other treatment of industrial waste water
19 11	**wastes from oil regeneration**
19 11 03*	aqueous liquid wastes
19 11 04*	wastes from cleaning of fuel with bases
19 11 05*	sludges from on-site effluent treatment containing dangerous substances
19 13	**wastes from soil and groundwater remediation**
19 13 03*	sludges from soil remediation containing dangerous substances
19 13 05*	sludges from groundwater remediation containing dangerous substances
19 13 07*	aqueous liquid wastes and aqueous concentrates from groundwater remediation containing dangerous substances

Table S2.5 Permitted waste types and quantities for physico-chemical treatment through the sewage treatment plant (all wastes are to be 'domestic waste water' or 'urban waste water' and 'sludge' which have not been combined with industrial waste).	
Maximum quantity	**Maximum throughput of 46,000 tonnes per annum across all non-hazardous waste operations (S2.3 and S2.5)**
Waste code	**Description**
16	**WASTES NOT OTHERWISE SPECIFIED IN THE LIST**
16 10	**aqueous liquid wastes destined for off-site treatment**
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01 (and consisting of cess pool wastes)
19	**WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE**
19 08	**wastes from waste water treatment plants not otherwise specified**
19 08 05	sludges from the treatment of urban waste water

Table S2.5 Permitted waste types and quantities for physico-chemical treatment through the sewage treatment plant (all wastes are to be 'domestic waste water' or 'urban waste water' and 'sludge' which have not been combined with industrial waste).	
Maximum quantity	**Maximum throughput of 46,000 tonnes per annum across all non-hazardous waste operations (S2.3 and S2.5)**
Waste code	**Description**
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**	**Limit (including unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
A1 – A14 [Vents from tanks 1 – 5 and 8 – 16 on site plan in Schedule 7]	Oil and non-hazardous waste treatment and storage	--	--	--	--	--
A15 – A16 [Vents from tanks 17 and 18 on site plan in Schedule 7]	Vents from incoming sewage and processed sewage storage tanks.	--	--	--	--	--

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site– emission limits and monitoring requirements						
Emission point ref. & location	**Source**	**Parameter**	**Limit (incl. Unit)**	**Reference period**	**Monitoring frequency**	**Monitoring standard or method**
S1 on site plan in schedule 7 (emission to Southern Water Peel Common Treatment Works via sewer)	Site process effluent and site drainage	Flow	--	Reported as daily average over one month	Continuous	MCERTS certified and calibrated flow meter or as agreed in writing by the 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 sewer. Parameters as required by condition 3.5.1	S1	Annual	1 January

Table S4.2: Annual production/treatment	
Parameter	**Units**
Quantity of waste oil produced for recovery	tonnes
Quantity of residual waste sludge sent for further treatment	tonnes
Quantity of sewage waste received on site	tonnes
Quantity of filter cake produced from sewage waste processing exported from site for recovery (including beneficial use on land)	tonnes
Quantity of filter cake produced from sewage waste processing exported from site for disposal (including filter cake sent to landfill)	tonnes

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

Table S4.4 Reporting forms		
Parameter	**Reporting form**	**Form version number and date**
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
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	

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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.

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

“emissions to land” includes emissions to groundwater.

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

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

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

“Hazardous property” has the meaning in Annex III of the Waste Framework Directive.

“Hazardous waste” has the meaning given in the Hazardous Waste (England and Wales) Regulations 2005.

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

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

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

“Pests” means Birds, Vermin and Insects.

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

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

“Waste code” means the six digit code referable to a type of waste in accordance with the List of Wastes and in relation to hazardous waste, includes the asterisk.

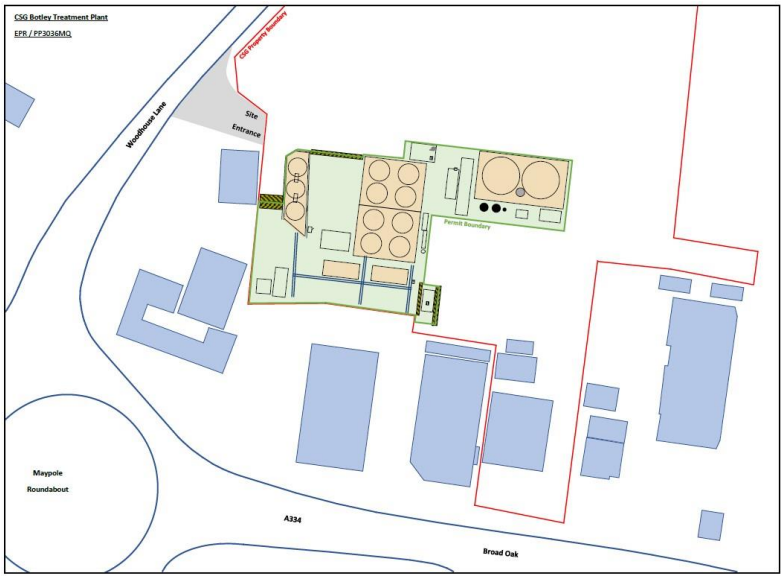
“Waste Framework Directive” or “WFD” means Waste Framework Directive 2008/98/EC of the European Parliament and of the Council on waste, as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

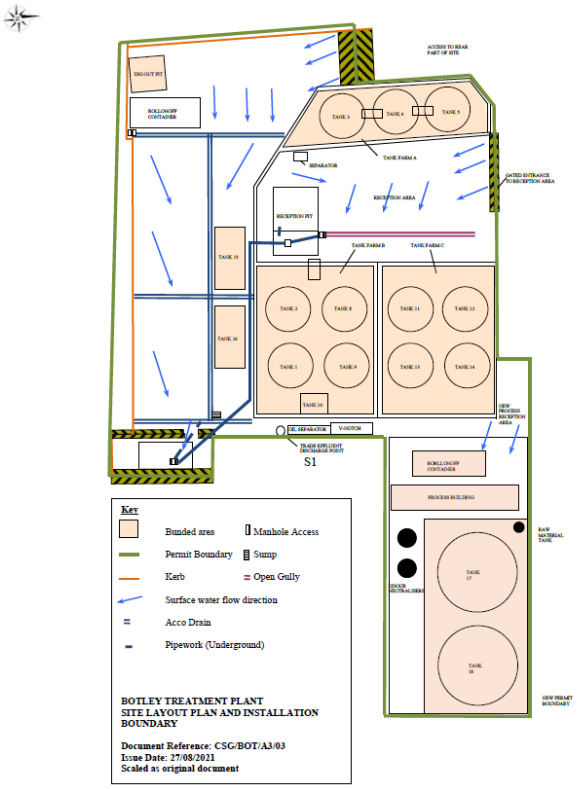
When the following terms appear in the waste code list in Schedule 2, tables S2.2 – S2.5, for those tables, they have the meaning given below:

‘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



CSG Botley – Emission Points



END OF PERMIT

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.

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

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.