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Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

LondonEnergy Ltd

Temporary Bulky Waste Recycling Facility Edmonton Ecopark Advent Way Edmonton London N18 3AG

Permit number

EPR/YP3500LS

Temporary Bulky Waste Recycling Facility Permit number EPR/YP3500LS

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

LondonEnergy Ltd (LEL) currently carry out the shredding and bulking of waste materials at the Edmonton Ecopark under permit number EPR/YP3197NR. The waste processes carried out under the EPR/YP3197NR permit, known as the Bulky Waste Recycling Facility (BWRF), are required by LEL to be relocated to a new site within the wider Ecopark site boundary in order to allow for redevelopment of the site, which includes the development of a new Resource Recovery Facility (RRF). To enable this relocation, LEL have applied for a new permit consisting of a Section 5.4 (Disposal, recovery or a mix of disposal and recovery of non-hazardous waste) Part A (1)(a)(ii) activity (shredding, manual sorting or manual separation of non-hazardous, non-metallic waste for size reduction and to aid waste handling prior to off-site disposal through incineration) with two additional waste activities consisting of a household, commercial and industrial waste transfer station and the mechanical treatment of non-hazardous ashes.

This new permit, known as the Temporary Bulky Waste Recycling Facility (TBWRF), is planned to be operational for a period of approximately 12-18 months whilst the redevelopment of the wider site is completed. Once the redevelopment is complete the activity of this permit, the TWBRF, will be surrendered and a new application will be made to move the TWBRF's activities to the RRF.

Similar to the BWRF, the TWBRF will store, bulk and transfer to licensed onward facilities non-hazardous and hazardous waste (hazardous waste storage limited to 50 tonnes on site at any one time), sort non-hazardous waste and shred non-hazardous bulky waste which will be sent to the adjacent Energy from Waste plant.

The maximum annual waste throughput will be 220,000 tonnes with operation ongoing 24 hours a day, seven days a week.

There will be point source emissions to air from the site's odour control unit and surface water will drain to public sewer under the restriction of a sewage discharge consent. The operations have the potential to cause noise and dust emissions.

The site is located in an industrial setting. The closest human residential receptors are located 500m West and 410m North West of the site. Epping Forest SAC is located 3km from the site, Chingford Reservoirs SSSI is located 495m from the site.

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

Status log of the permit			
Description	Date	Comments	
Application EPR/YP3500LS/A001	Duly made 20/01/2021	Application for temporary bulky waste treatment facility	
Further information received	24/03/2021	Fire Prevention Plan	
Further information received	28/07/2021	Odour Management Plan and updated Fire Prevention Plan	
Further information received	08/09/2021	Odour plant specification – Detailed design report	
Further information received	28/09/2021	Remediation verification report	
Further information received	21/10/2021	Finalised drainage plans	

Status log of the permit			
Description	Date	Comments	
Further information received	02/11/2021	Clinical waste handling and storage procedures	
Further information received	17/12/2021	Updated site plan received	
Permit determined EPR/YP3500LS	29/12/2021	Permit issued to LondonEnergy Ltd	
(PAS billing ref. YP3500LS).			

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/YP3500LS

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

LondonEnergy Ltd ("the operator"),

Whose registered office is

Ecopark Advent Way Edmonton London N18 3AG

company registration number 02732548

to operate an installation at

Temporary Bulky Waste Recycling Facility Edmonton Ecopark Advent Way Edmonton London N18 3AG

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

Name	Date
Louise Hann	29/12/2021

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the activities:
 - (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
 - (b) using sufficient competent persons and resources.
- 1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.
- 1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.
- 1.1.4 The operator shall comply with the requirements of an approved competence scheme.

1.2 Energy efficiency

- 1.2.1 For activity AR1 referenced in schedule 1, table S1.1 the operator shall:
 - (a) take appropriate measures to ensure that energy is used efficiently in the activities;
 - (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
 - (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

- 1.3.1 For activity AR1 referenced in schedule 1, table S1.1 the operator shall:
 - (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
 - (b) maintain records of raw materials and water used in the activities;
 - (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
 - (d) take any further appropriate measures identified by a review.

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

- 1.4.1 The operator shall take appropriate measures to ensure that:
 - (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
 - (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
 - (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

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

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the "activities").
- 2.1.2 Waste authorised by this permit shall be clearly distinguished from any other waste on the site.

2.2 The site

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

2.3 Operating techniques

- 2.3.1 Activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
 - (a) it is of a type and quantity listed in schedule 2 tables S2.2, S2.3 and S2.4 and
 - (b) it conforms to the description in the documentation supplied by the producer and holder.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
 - (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.6 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

Hazardous waste storage and treatment

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

2.4 Pre-operational conditions

2.4.1 The activities shall not be brought into operation until the measures specified in schedule 1 table S1.4 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.

3.4 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 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 Fire prevention

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

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 Activity AR1 as referenced in schedule 1, table S1.1 a report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
 - (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
 - (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 In the event:
 - (a) that the operation of the activities gives rise to an incident or accident which significantly affects
 or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.
- 4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

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

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.
- 4.3.5 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:
 - (a) the Environment Agency shall be notified at least 14 days before making the change; and
 - (b) the notification shall contain a description of the proposed change in operation.
- 4.3.6 The Environment Agency shall be given at least 14 days' notice before implementation of any part of the site closure plan.

4.4 Interpretation

- 4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.
- 4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately" in which case it may be provided by telephone.

Schedule 1 – Operations

ities			
Activity listed in Schedule 1 of the EP Regulations	activity and V	VFD Annex I	Limits of specified activity and waste types
S5.4 A1 (a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving physico-chemical treatment	treatment resucompounds of which are disconficient of the operation of the operation of the operation of the operations of the operations of the operations of the operations of the operation of	ulting in final r mixtures carded by any ons numbered g. Irying, pending any of a numbered cluding rage, pending the site where	The shredding, manual sorting or manual separation of non-hazardous, non-metallic waste for size reduction and to aid waste handling prior to off-site disposal through incineration. Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal. Maximum combined waste storage on site at any one time (activities AR1, AR2 and AR3) is limited to 2,350 tonnes. Waste types as specified in Table S2.2.
Description of activities for waste		Limits of acti	
R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of metals and metal compounds R5: Recycling/reclamation of other inorganic materials R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced)		Temporary sto shall not exce the activities li 5.1, 5.2, 5.3 o Subject to any permit wastes than 3 years p The maximum stored at the stonnes at any Clinical waste and 18 01 03* than 7 days at Clinical waste	orage of hazardous waste ed 50 tonnes pending any of isted in Part A (1) Section of the EP Regulations. To other requirements of this shall be stored for no longer orior to recovery. In quantity of clinical waste site shall not exceed 10 one time. Types (EWC code 18 01 01 one shall not be stored for more)
	Activity listed in Schedule 1 of the EP Regulations S5.4 A1 (a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving physico-chemical treatment Description of activities for operations R3: Recycling/reclamation of substances which are not use R4: Recycling/reclamation of metal compounds R5: Recycling/reclamation of inorganic materials R13: Storage of wastes pend operations numbered R1 to Recycling recompounds	Activity listed in Schedule 1 of the EP Regulations activity and wand II operations S5.4 A1 (a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving physico-chemical treatment Description of activities for waste operations R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of other inorganic materials R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the operations of the operations of the operations of the operations activity and wand II operation of the operation of the operations of the operation of the operations of the o	Activity listed in Schedule 1 of the EP Regulations activity and WFD Annex I and II operations S5.4 A1 (a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day (or 100 tonnes per day (or 100 tonnes per day if the only waste treatment activity is anaerobic digestion) involving physico-chemical treatment D15 Storage pending any of the operations numbered D1 to D12, e.g. evaporation, drying, calcination D15 Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced) Description of activities for waste operations R3: Recycling/reclamation of organic substances which are not used as solvents R4: Recycling/reclamation of other inorganic materials R13: Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced) No treatment substances which are not used as solvents Temporary storage storage storage and the activities is 5.1, 5.2, 5.3 or 5.1, 5.2, 5.3 or 5.2, 5.3 or 5.3 or 5.3 or 5.4 control of the cont

Table S1.1 activ	vities .			
Activity reference	Activity listed in Schedule 1 of the EP Regulations	Description of activity and N	VFD Annex I	Limits of specified activity and waste types
			at any one tim AR3) is limited	nbined waste storage on site to (activities AR1, AR2 and to 2,350 tonnes.
ADO	DO: Do suelin e /marle martie mart		, ,	•
AR3 Physical	R3: Recycling/reclamation of substances which are not use		reatment of v	waste ashes only.
treatment of non-hazardous waste	R5: Recycling/reclamation of other inorganic materials		sorting or sep	nsisting only of physical aration of non-hazardous versized ash into different ecovery.
	R13: Storage of wastes pend operations numbered R1 to F temporary storage, pending of the site where it is produced)	R12 (excluding	Treatment of a tonnes per da	ashes must not exceed 75 y.
			permit wastes	other requirements of this shall be stored for no longer prior to recovery.
			at any one tim	nbined waste storage on site te (activities AR1, AR2 and d to 2,350 tonnes.
			Waste types a	as specified in Table S2.4.

Table S1.2 Operating techniques			
Description	Description Parts		
Response to Schedule 5 Notice dated 18/06/2021 Updated TWBRF Fire Prevention Plan, Revision P02. Document reference NP-WOD-41XX-XXX-RP-EN-090044 dated 27/07/2021		28/07/2021	
	TWBRF Odour Management Plan. Document reference NP-WOD-41XX-XXX-RP-EN-090043 dated 28/07/2021		
Odour Plant Detailed Design Report	North London Heat and Power Project, Detailed Design Report – TWBRF Odour Plant. Document reference NP-EMI- 41XX-XXX-RP-ME-500001 P02 dated 02/09/2021	08/09/2021	
Finalised drainage plans	Plan numbers NP-WAT-41XX-GF0-DR-CE-052002-P05 (Dated 12/07/2021) and NP-WAT-41XX-GF0-DR-CE-052001-P04 (Dated 12/07/2021)	21/10/2021	
Response to request for further information. Email dated 28/10/2021	Document 'Clinical Waste Handling and Storage at the Temporary Bulky Waste Recycling Facility'. All parts.	02/11/2021	

Table S1.4 Pre-operational measures		
Reference	Pre-operational measures	
PO1	The Operator shall submit evidence to show that the design, installation and maintenance of the in-building detection and suppression systems will be covered by an appropriate UKAS accredited third party certification scheme or a demonstrable alternative third party accreditation or standard.	
	The operator shall submit a written commissioning plan for the detection and suppression systems that includes, but is not limited to, the design layout, performance and operating procedure of the system.	
	The Operator shall gain written confirmation from the Environment Agency that the proposed systems and commissioning plan are acceptable prior to receiving waste materials at the site to which this permit refers.	

Schedule 2 – Waste types, raw materials and fuels

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

Table S2.2 Permitte	d waste types and quantities for activity AR1
Maximum quantity	91,000 tonnes per annum for AR1. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.
Waste code	Description
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing
02 01 03	plant-tissue waste
02 01 04	waste plastics (except packaging)
02 01 07	wastes from forestry
02 02	wastes from the preparation and processing of meat, fish and other foods of animal origin
02 02 03	materials unsuitable for consumption or processing
03	Waste from wood processing and the production of panels and furniture, pulp, paper and cardboard
03 01	wastes from wood processing and the production of panels and furniture
03 01 01	waste bark and cork
03 01 05	sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in 03 01 04
03 03	wastes from pulp, paper and cardboard production and processing
03 03 01	waste bark and wood
03 03 07	mechanically separated rejects and pulping of waste paper and cardboard
03 03 08	waste from sorting of paper and cardboard destined for recycling
09	Wastes from the photographic industry
09 01	wastes from the photographic industry
09 01 07	photographic film and paper containing silver or silver compounds
09 01 08	photographic film and paper free of silver or silver compounds
09 01 10	single-use cameras without batteries
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
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 05	plastics shavings and turnings

Table S2.2 Permitte	d waste types and quantities for activity AR1
Maximum quantity	91,000 tonnes per annum for AR1. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.
Waste code	Description
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (excluding separately collected municipal packaging waste)
15 01 01	paper and cardboard packaging
15 01 02	plastic packaging
15 01 03	wooden packaging
15 01 05	composite packaging
15 01 06	mixed packaging
15 01 09	textile packaging
15 02	absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
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 19	plastic
17	Construction and demolition wastes (including excavated soil from contaminated sites)
17 02	wood, glass and plastic
17 02 01	wood
17 02 03	plastic
17 03	bituminous mixtures, coal tar and tarred products
17 03 02	bituminous mixtures other than those mentioned in 17 03 01
18	Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection (for example dressings, plaster casts, linen, disposable clothing, diapers)
19	Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use
19 05	wastes from aerobic treatment of solid waste
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified

Table S2.2 Permitte	d waste types and quantities for activity AR1
Maximum quantity	91,000 tonnes per annum for AR1. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.
Waste code	Description
19 12 01	paper and cardboard
19 12 04	plastic and rubber
19 12 07	wood other than that mentioned in 19 12 06
19 12 08	textiles
19 12 10	combustible waste (refuse derived fuel)
19 12 12	other wastes (including mixtures of materials from mechanical treatment of wastes other than those mentioned in 19 12 11
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 01	paper and cardboard
20 01 08	biodegradable kitchen and canteen waste
20 01 10	clothes
20 01 11	textiles
20 01 38	wood other than that mentioned in 20 01 37
20 01 39	plastics
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

Table S2.3 Permitted waste types and quantities for activity AR2		
Maximum quantity	104,000 tonnes per annum for AR2. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.	
Waste code	Description	
02	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing	
02 01	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing	
02 01 03	plant-tissue waste	
02 01 04	waste plastics (except packaging)	
02 01 10	waste metal	

Table S2.3 Permitte	d waste types and quantities for activity AR2
Maximum quantity	104,000 tonnes per annum for AR2. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.
Waste code	Description
09	Wastes from the photographic industry
09 01	wastes from the photographic industry
09 01 11*	single-use cameras containing batteries included in 16 06 01, 16 06 02 or 16 06 03
09 01 12	single-use cameras containing batteries other than those mentioned in 09 01 11
10	Wastes from thermal processes
10 01	wastes from power stations and other combustion plants (except 19)
10 01 15	bottom ash, slag and boiler dust from co-incineration other than those mentioned in 10 01 14
10 01 17	tritium, carbon-14, sulphur-35, argon-41, iodine-131 and cobalt-60 (associated with particulate matter) to be disposed via specific outlets as gaseous effluent discharges
10 01 19	wastes from gas cleaning other than those mentioned in 10 01 05, 10 01 07 and 10 01 18
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 01	ferrous metal filings and turnings
12 01 02	ferrous metal dust and particles
12 01 03	non-ferrous metal filings and turnings
12 01 04	non-ferrous metal dust and particles
12 01 13	welding wastes
12 01 17	waste blasting material other than those mentioned in 12 01 16
14	Waste organic solvents, refrigerants and propellants (except 07 and 08)
14 06	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 01*	chlorofluorocarbons, HCFC, HFC
15	Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified
15 01	packaging (excluding separately collected municipal packaging waste)
15 01 04	metallic packaging
15 01 07	glass packaging
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 03	end-of-life tyres
16 01 06	end-of-life vehicles, containing neither liquids nor other hazardous components
16 01 17	ferrous metal
16 01 18	non-ferrous metal
16 01 20	glass

Table S2.3 Permitte	d waste types and quantities for activity AR2				
Maximum quantity	104,000 tonnes per annum for AR2. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.				
Waste code	Description				
16 02	wastes from electrical and electronic equipment				
16 02 11*	discarded equipment containing chlorofluorocarbons, HCFC, HFC				
16 02 13*	discarded equipment containing hazardous components other than those mentioned in 16 02 09 to 16 02 12				
16 02 14	discarded equipment other than those mentioned in 16 02 09 to 16 02 13				
16 02 15*	hazardous components removed from discarded equipment				
16 02 16	components removed from discarded equipment other than those mentioned in 16 02 15				
16 05	gases in pressure containers and discarded chemicals				
16 05 04*	gases in pressure containers (including halons) containing hazardous substances				
16 05 05	gases in pressure containers other than those mentioned in 16 05 04				
16 06	batteries and accumulators				
16 06 01*	lead batteries				
16 06 02*	Ni-Cd batteries				
16 06 03*	mercury-containing batteries				
16 06 04	alkaline batteries (except 16 06 03)				
16 06 05	other batteries and accumulators				
17	Construction and demolition wastes (including excavated soil from contaminated sites)				
17 01	concrete, bricks, tiles and ceramics				
17 01 01	concrete				
17 01 02	bricks				
17 01 03	tiles and ceramics				
17 01 06*	mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances				
17 01 07	mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06				
17 02	wood, glass and plastic				
17 02 02	glass				
17 04	metals (including their alloys)				
17 04 01	copper, bronze, brass				
17 04 02	aluminium				
17 04 03	lead				
17 04 04	zinc				
17 04 05	iron and steel				
17 04 06	tin				
17 04 07	mixed metals				

Table S2.3 Permitte	d waste types and quantities for activity AR2
Maximum quantity	104,000 tonnes per annum for AR2. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.
Waste code	Description
17 04 11	cables other than those mentioned in 17 04 10
17 05	soil (including excavated soil from contaminated sites), stones and dredging spoil
17 05 04	soil and stones other than those mentioned in 17 05 03
17 05 06	dredging spoil other than those mentioned in 17 05 05
17 05 07*	track ballast containing hazardous substances
17 05 08	track ballast other than those mentioned in 17 05 07
17 06	insulation materials and asbestos-containing construction materials
17 06 03*	other insulation materials consisting of or containing hazardous substances
17 06 04	insulation materials other than those mentioned in 17 06 01 and 17 06 03
17 08	gypsum-based construction material
17 08 02	gypsum-based construction materials other than those mentioned in 17 08 01
17 09	other construction and demolition wastes
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
18	Wastes from human or animal health care and/or related research (except kitchen and restaurant wastes not arising from immediate health care)
18 01	wastes from natal care, diagnosis, treatment or prevention of disease in humans
18 01 01	sharps (except 18 01 03)
18 01 03*	wastes whose collection and disposal is subject to special requirements in order to prevent infection
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 12	Bottom ash and slag other than those mentioned in 19 01 11
19 05	wastes from aerobic treatment of solid waste
19 05 01	non-composted fraction of municipal and similar wastes
19 05 02	non-composted fraction of animal and vegetable waste
19 05 03	Off specification compost
19 12	wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified
19 12 02	ferrous metal
19 12 03	non-ferrous metal
19 12 05	glass
19 12 09	minerals (for example sand, stones)
19 12 12	Other wastes (including mixtures of materials from mechanical treatment of wastes other than those mentioned in 19 12 11

Table S2.3 Permitte	d waste types and quantities for activity AR2
Maximum quantity	104,000 tonnes per annum for AR2. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.
Waste code	Description
19 13	wastes from soil and groundwater remediation
19 13 02	solid wastes from soil remediation other than those mentioned in 19 13 01
20	Municipal wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions
20 01	separately collected fractions (except 15 01)
20 01 02	glass
20 01 10	clothes
20 01 11	textiles
20 01 21*	fluorescent tubes and other mercury-containing waste
20 01 23*	discarded equipment containing chlorofluorocarbons
20 01 33*	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 34	batteries and accumulators other than those mentioned in 20 01 33
20 01 35*	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components
20 01 36	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35
20 01 40	metals
20 01 41	wastes from chimney sweeping
20 02	garden and park wastes (including cemetery waste)
20 02 01	biodegradable waste
20 02 02	soil and stones
20 02 03	other non-biodegradable wastes
20 03	other municipal wastes
20 03 01	mixed municipal waste
20 03 02	waste from markets
20 03 03	street-cleaning residues
20 03 07	bulky waste

Table S2.4 Permitted waste types and quantities for activity AR3			
Maximum quantity	25,000 tonnes per annum for AR3. The maximum quantity of waste accepted at the site (combined for activities AR1, AR2 and AR3) shall not exceed 220,000 tonnes per annum.		
Waste code	Description		
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 12	bottom ash and slag other than those mentioned in 19 01 11		

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 [Point A1 on site plan in Schedule 7]	Odour Control Unit	No parameter set	No limit set	-	-	-

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 [Point S1 as shown on site plan in Schedule 7]	Surface water discharge	No parameter set	No limit set	-	-	-
Emission to Thames Water combined sewer						

Schedule 4 – Reporting

Table S4.2 Annual production/treatment		
Parameter Units		
Treatment of non-hazardous waste	tonnes	

Table S4.3 Performance parameters			
Parameter	Frequency of assessment	Units	
Water usage	Annually	m ³	
Energy usage	Annually	MWh	
Other performance parameters	Annually	tonnes per production unit	

Table S4.4 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, 29/12/2021		
Energy usage	Energy Usage Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 29/12/2021		
Other performance parameters	Other Performance Parameters Reporting Form, or other form as agreed in writing by the Environment Agency	Version 1, 29/12/2021		

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	
	any malfunction, breakdown or failure of equipment or techniques, nce not controlled by an emission limit which has caused, is 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 t	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 t	the breach of a li	mit	
To be notified within 24 hours of	detection unless	otherwise specified belo	ow .
Measures taken, or intended to be taken, to stop the emission			
Time periods for notification follo	wing detection o	of a breach of a limit	
Parameter			Notification period
(c) Notification requirements for t	he breach of per	mit conditions not relate	d to limits
To be notified within 24 hours of det	ection		
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 t	the detection of a	any significant adverse e	nvironmental 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 submit		n as practicable	•
notification under Part A.			
Measures taken, or intended to be t a recurrence of the incident	aken, to prevent		

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.

"Batteries Directive" means Directive 2006/66/EC of the European Parliament and of the Council on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC", as read in accordance with Schedule 1A to the Environmental Permitting (England and Wales) Regulations 2016.

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

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

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

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

"Hazardous property" has the meaning in Annex 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.

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

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

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

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

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

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

• in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or in relation to emissions from non-combustion sources, the concentration at a

temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content "year" means calendar year ending 31 December.

When the following terms appear in the waste code list in Schedule 2, table 2.2, for that table, they have the meaning given below:

'hazardous substance' means a substance classified as hazardous as a consequence of fulfilling the criteria laid down in parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008

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

'PCBs' means

- · polychlorinated biphenyls
- polychlorinated terphenyls
- monomethyl-tetrachlorodiphenyl methane, Monomethyl-dichloro-diphenyl methane, Monomethyldibromo-diphenyl methane
- any mixture containing any of the above mentioned substances in a total of more than 0,005 %by weight

'transition metals' means any of the following metals: any compound of scandium, vanadium, manganese, cobalt, copper, yttrium, niobium, hafnium, tungsten, titanium, chromium, iron, nickel, zinc, zirconium, molybdenum and tantalum, as well as these materials in metallic form, as far as these are classified as hazardous substances

'stabilisation' means processes which change the hazardousness of the constituents in the waste and transform hazardous waste into non-hazardous waste

'solidification' means processes which only change the physical state of the waste by using additives without changing the chemical properties of the waste

'partly stabilised wastes' means wastes containing, after the stabilisation process, hazardous constituents which have not been changed completely into non-hazardous constituents and could be released into the environment in the short, middle or long term

Schedule 7 – Site plan



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END OF PERMIT

Water Usage Reporting Form

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

Facility name: [Unit A, Anytown] Water Usage Reporting Form: version 1, 29/12/2021

Reporting of water usage for the year [YYYY]

Water source	Water usage (m³)	Specific water usage (m³/unit) ²
Mains water	[insert annual usage in m ³ where mains water is used]	[insert annual usage in m³/unit where mains water is used]
Site borehole	[insert annual usage in m³ where water is used from a site borehole]	[insert annual usage in m³/unit where water is used from a site borehole]
River abstraction	[insert annual usage in m³ where abstracted river water is used]	[insert annual usage in m³/unit where abstracted river water is used]
Other – [specify other water source where applicable]. Add extra rows where needed]	[insert annual usage in m³ where applicable]	[insert annual usage in m³/unit where applicable]
Total water usage	[insert total annual water usage in m³]	[insert total annual water usage in m³/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, 29/12/2021

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

Operator: [A Company Name Limited]

Permit number: [EPR/AB1234CB]

Facility name:	[Unit A, Anytown]	Other Performance Parameters Reporting Form: version 1, 29/12/2021
Reporting of other	performance parameters for the	e period from [DD/MM/YY] to [DD/MM/YY]
	Parameter	Units
[e.g. Total raw mate	erial usage]	[e.g. tonnes per production unit]
Operator's comme	ents	
- Срониког с селино		

Signed: [Name]	Date:	[DD/MM/YY]
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(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.