

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Plymouth City Council

Chelson Meadow Leachate Treatment Plant
Chelson Meadow Landfill Site
Plymstock
Plymouth
Devon
PL9 7JA

Variation application number

EPR/CP3731LZ/V005

Consolidated permit number

EPR/CP3731LZ

Chelson Meadow Leachate Treatment Plant

Permit number EPR/CP3731LZ

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.

The following notice gives notice of the variation of environmental permits EPR/CP3731LZ and Water Discharge Activity (WDA) environmental permit SWWA 289, referred to in the status logs below and the replacement of those permits with a consolidated environmental permit.

The schedules specify the changes made to the permit.

Chelson Meadow Leachate Treatment Plant (LTP) is located adjacent to the east bank of the River Plym. The National Grid Reference (NGR) for the centre of the site is approximately SX 50612 54476. The discharge (W1) is made to the River Plym at SX 50435 54466. The LTP Permit boundary occupies an area of approximately 0.63 hectares, in the southwest corner of the former closed Chelson Meadow Landfill. The main infrastructure of the LTP was constructed in 1996, and was operated under the landfill waste licence, in compliance with the 1983 discharge consent (WDA). Use of Chelson Meadow Landfill commenced in 1965, and waste tipping ceased in March 2008.

The LTP has two storage tanks (storage tanks 1 & 2, referred to hereafter as STOR1 & STOR2, respectively) each with a capacity of 2250m³. Under normal operating conditions STOR 1 contains raw leachate and STOR 2 is used for the storage of treated leachate.

All landfill leachate entering the LTP is derived from the Chelson Meadow landfill via four pumping stations, which pump leachate to STOR1. The LTP has four sequential batch reactors (SBRs) where leachate sourced from STOR1 is treated. Under normal operating conditions, treated leachate is exported to STOR2 for containment prior to discharge during the high tide window.

This variation is to authorise the following changes to the permit:

- The amount of leachate that can be accepted for treatment by the LTP has increased from 650,000 to 850,000 tonnes per annum.
- The Water Discharge Activity (WDA) environmental permit SWWA 289 has been consolidated into the Installation Permit EPR/CP3731LZ. Associated limits for the time of discharge have been incorporated into the permit.
- The permit has formalised the discharging of treated effluent at any state of tide, only during periods of peak leachate production, a scenario referred to as the 'Emergency mode'. Discharging at any state of tide was initially incorporated into the permit in 2011, but no limits were set in Table 1.1 of the permit.
- Improvement Conditions have been included in Table S1.3, requiring the installation of replacement aeration blowers, which service the treatment tanks at the installation, and introduce further assessments on the surface water discharge.

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

Status log of permit A: EPR/CP3731LZ		
Description	Date	Comments
Application CP3731LZ (EPR/CP3731LZ/A001)	Duly made 18/07/2006	Application for a leachate treatment plant.
Permit determined EPR/CP3731LZ	28/03/2007	Permit issued to Plymouth City Council.
Variation application EPR/CP3731LZ/V002	Duly made 10/10/2011	Application to replace lagoon with above ground storage tank, installation of new pump, discharge conditions and increase waste limit to 650,000 tonnes per annum.
Variation determined EPR/CP3731LZ	12/12/2011	Varied and consolidated permit issued.
Agency variation EPR/CP3731LZ/V003 determined	11/02/2014	Environment Agency initiated variation to implement the changes introduced by IED.
Environment Agency Landfill Sector Review Permit reviewed Variation determined EPR/CP3731LZ/V004 Permit EPR/CP3731LZ	15/09/2017	Varied and consolidated permit issued in modern condition format.
Application EPR/CP3731LZ/V005 (variation and consolidation)	Duly made 08/10/2023	Application to vary the permit, to increase the maximum leachate treatment capacity to 850,000 tonnes per annum.
Additional information	11/09/2024	Updated Water Quality Impact Assessment.
Additional information	10/06/2025	Water Quality detailed modelling.
Additional information	10/07/2025	Water Quality detailed modelling - modelling files.
Additional information	22/09/2025	Additional detail on water quality modelling.
Variation determined and consolidation issued EPR/CP3731LZ	17/03/2026	Varied and consolidated permit issued in modern format.

Status log of permit B: SWWA 289		
Description	Date	Comments
Water Discharge Activity (WDA) environmental permit SWWA 289 issued	18/08/1983	Original permit issued to Plymouth City Council.

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/CP3731LZ

Issued to

Plymouth City Council (“the operator”)

of

**Ballard House
West Hoe Road
Plymouth
PL1 3BJ**

to operate a regulated facility at

**Chelson Meadow Leachate Treatment Plant
Chelson Meadow Landfill Site
Plymstock
Plymouth
Devon
PL9 7JA**

to the extent set out in the schedules.

The notice shall take effect from 17/03/2026

Name	Date
Eleanor Blackeby	17/03/2026

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/CP3731LZ

This is the consolidated permit referred to in the variation and consolidation notice for application EPR/CP3731LZ/V005 authorising,

Plymouth City Council (“the operator”),

of

**Ballard House
West Hoe Road
Plymouth
PL1 3BJ**

to operate an installation at

**Chelson Meadow Leachate Treatment Plant
Chelson Meadow Landfill Site
Plymstock
Plymouth
Devon
PL9 7JA**

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

Name	Date
Eleanor Blackeby	17/03/2026

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

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

1.2 Energy efficiency

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

1.3 Efficient use of raw materials

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

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

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

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

2 Operations

2.1 Permitted activities

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

2.2 The site

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

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 2 table S2.2; 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.

2.4 Improvement programme

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

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

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 table S3.1.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any

approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.

3.4.2 The operator shall:

- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
- (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

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

- (a) point source emissions specified in tables S3.1 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 table S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

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

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

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

4.2 Reporting

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

- 4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:
- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
 - (b) the annual production/treatment data set out in schedule 4 table S4.2; and
 - (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.
- 4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:
- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
 - (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4; and
 - (c) giving the information from such results and assessments as may be required by the forms specified in those tables.
- 4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.
- 4.2.5 Within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form made available for the purpose, the information specified on the form relating to the site and the waste accepted and removed from it during the previous quarter.

4.3 Notifications

- 4.3.1 In the event:
- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
 - (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
 - (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.
- 4.3.2 Any information provided under condition 4.3.1 shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.
- 4.3.3 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.

4.3.4 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.

4.3.5 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	S5.4 A(1)(a)(i) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving biological treatment	Treatment of leachate in a facility with a capacity of >50 tonnes/ day D8: Biological treatment resulting in final compounds or mixtures which are discarded by any of the operations numbered D1 to D12	From receipt of leachate and surface water, to discharge of effluent via pipeline into the Plym Estuary. The effluent treatment activity shall consist of four pumping stations, and four sequential batch reactors, each with a capacity of 740m ³ . The discharge of leachate for the normal and peak operating modes [Note 1], must be during the period from the time of high water plus half an hour up to the time of high water plus two and a half hours. Waste types for treatment to be as specified in schedule 2 table S2.2.
Directly Associated Activity			
AR2	Storage of waste pending recovery or disposal	D15: Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where the waste is produced)	From the receipt of permitted waste to despatch for biological treatment on site. Subject to any other requirements of this permit wastes shall be stored for no longer than 1 year prior to disposal. Waste will be stored in two storage tanks each with a capacity of 2250m ³ . Waste types suitable for acceptance are limited to those specified in Table S2.2.
AR3	Pipework	Pipework between the leachate treatment plant and discharge point	From the point of discharge from the leachate treatment plant to the point where the pipework leaves the land under the control of the operator.
AR4	Using sludge to reseed the waste water treatment plant		From the receipt of sludge on site
Note 1 – ‘Normal’ and ‘peak’ operating modes, as defined in the document Chelson Meadow Leachate Treatment Plant Variation Overview: EPR CP3731LZ (reference: PCC/CM/LTP/Overview/03.2022, date received 11/03/2022), as referenced in Table S1.2 of this permit.			

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application CP3731LZ	The response to section 2.1, excluding 2.1.2 box 4 (disposal), 2.2, excluding 2.2.14, 2.2.15 and 2.2.20 and 2.10 in the application.	18/07/2006
Variation Application EPR/CP3731LZ/V002	Table 3 in Section 3 of Part C3 of the application document in response to section 3a – technical standards. The Risk Assessment submitted as part of the application stating improvements will be considered alongside 'Guidance for the Treatment of Landfill Leachate', Integrated Pollution Prevention and Control (IPPC) S5.03.	10/10/2011
Additional information	Chelson Meadow Leachate Treatment Plant: Interim Report', detailing LTP operations and discharges on falling tide.	08/11/2011
Variation Application EPR/CP3731LZ/V005	Application Form C2 and C3, and referenced supporting documents. Procedures for 'Normal', 'Peak' and 'Emergency' operating modes, as stated in the document: Chelson Meadow Leachate Treatment Plant Variation Overview: EPR CP3731LZ (reference: PCC/CM/LTP/Overview/03.2022)	11/03/2022

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The Operator shall submit to the Agency for approval written proposals, including a timetable, for measures to prevent the manual discharge of untreated effluent to the Plym estuary. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the proposals. The measures shall be implemented by the operator from the date of approval in writing by the Agency.	Completed
IC2	The Operator shall submit to the Agency written proposals, including a timetable, for the reduction of suspended solids in the effluent discharge to the benchmark level of 75 mg/l. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the proposals. The measures shall be implemented by the operator from the date of approval in writing by the Agency.	Completed
IC3	The Operator shall submit to the Agency a written report on the feasibility of proposals to extend the effluent discharge pipeline further into the Plym Estuary such that effluent could be discharged into flowing water at all stages of the tide. The report shall include an assessment of the environmental impact of the extension.	Completed
IC4	A written procedure shall be submitted to the agency detailing the measures to be used so that monitoring equipment, personnel and organisations employed for the emissions monitoring programme	Completed

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>shall have either MCERTS certification or accreditation in accordance with condition 3.6.3. The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the procedure.</p> <p>The procedure shall be implemented by the operator from the date of approval in writing by the Agency.</p>	
IC5	<p>The Operator shall submit to the Agency written proposals, including a timetable, for measures to prevent contaminated surface water from the adjacent glass storage bays mixing with surface water runoff from the installation.</p> <p>The notification requirements of condition 2.5.2 shall be deemed to have been complied with on submission of the proposals.</p> <p>The measures shall be implemented by the operator from the date of approval in writing by the Agency.</p>	Completed
IC6	<p>The Operator shall submit a written plan for installing replacement aeration blowers which service the treatment tanks, and obtain the Environment Agency's written approval to it.</p> <p>The aeration blowers shall meet the specifications stated within the Operator's BS4142:2014 assessment (reference: Noise Impact Assessment – LTP Air Blowers, dated July 2020).</p> <p>The plan shall be implemented in accordance with the Environment Agency's prior written approval.</p>	2 months from the issuing of the permit variation EPR/CP3731LZ/V005, or such other date as agreed in writing with the Environment Agency
IC7	<p>The Operator shall submit a written report to the Environment Agency for assessment and written approval.</p> <p>The report must contain:</p> <ul style="list-style-type: none"> • The results from 12 months of sampling and monitoring of effluent discharges to emission point W1 (as referenced in Table S3.1) at a frequency of a minimum of one sample a month. • Characterisation of the effluent monitoring including but not limited to the parameters listed in Table S3.2. • Evidence that the sampling and monitoring has been undertaken in line with the Environment Agency guidance, with appropriate Limits of Detection to allow for assessment against Environmental Standards: https://www.gov.uk/guidance/surface-water-pollution-risk-assessment-for-your-environmental-permit, and to standards outlined in Table S3.2. • An updated H1 assessment and/or modelling results which take into consideration relevant environmental standards as specified in Environment Agency guidance 'Surface water pollution risk assessment for your environmental permit - GOV.UK (www.gov.uk)'. • A comparison of the conclusions of the updated H1 assessment and/or modelling results against the conclusions of the assessments submitted in permit variation application EPR/CP3731LZ/V005. • Where the results of the updated H1 assessment and/or modelling show that significant/adverse impact is likely from the emissions of any of the parameters, the operator shall 	13 months from the issuing of the permit variation EPR/CP3731LZ/V005, or such other date as agreed in writing with the Environment Agency

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>provide proposals and timescales on how to manage the effluent to ensure discharges have insignificant impact on receiving waters.</p> <p>The Operator must implement any proposals identified within the report in accordance with the Environment Agency's written approval and within the approved timescales.</p>	
IC8	<p>The Operator shall submit to the Environment Agency for approval a review of the leachate storage capacity.</p> <p>The review shall examine site arrangements for leachate storage during extreme weather conditions, and written proposals, including a timetable, for measures to prevent or reduce discharge of effluent during the emergency.</p> <p>The proposals in the plan shall be implemented in accordance with the Environment Agency's written approval.</p>	<p>12 months from the issuing of the permit variation EPR/CP3731LZ/V005, or such other date as agreed in writing with the Environment Agency</p>
IC9	<p>The Operator shall submit a written plan to the Environment Agency for approval, for the assessment of impacts of the surface water discharge on the mudflat habitats.</p> <p>The proposals shall include any representative monitoring requirements, including the parameters to be monitored, frequencies of monitoring and methods to be used. The operator shall carry out any monitoring in accordance with the Environment Agency's written approval.</p> <p>A written report detailing the assessment methodology used and findings of the impact assessment shall be submitted to the Environment Agency for approval.</p> <p>Where the results of the assessment show that significant impact is likely from the emissions of any of the parameters, the operator shall provide proposals and timescales on how to manage the effluent to ensure discharges do not have a significant impact on the mudflats.</p> <p>The operator must implement any proposals identified within the report in accordance with the Environment Agency's written approval and within the approved timescales.</p>	<p>12 months from the issuing of the permit variation EPR/CP3731LZ/V005, or such other date as agreed in writing with the Environment Agency</p>

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
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Table S2.2 Permitted waste types and quantities for biological treatment	
Maximum quantity	Annual throughput shall not exceed 850,000 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 07 03	landfill leachate other than those mentioned in 19 07 02

Schedule 3 – Emissions and monitoring

Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
W1 Final discharge point - as marked on site plan in Schedule 7, discharge to Plym Estuary	Leachate treatment plant (LTP)	Total Suspended solids	75 mg/l	For 95% of all measured values of periodic samples taken over one year	Weekly	BS EN 872
		BOD	10 mg/l			BS EN ISO 5815-1 or other method as agreed in writing with the Environment Agency
		Ammoniacal nitrogen, expressed as N	10 mg/l			BSEN ISO 11732:1997 or other method as agreed in writing with the Environment Agency
		Flow	-			-
		Total daily volume of discharge	7,105 m ³ /day	24-hour total	Continuous	MCERTS self-monitoring of effluent flow scheme

Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
Leachate treatment plant (LTP) effluent via W1	Effluent sampling	NGR SX 50527 54433	Sampling point W1

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 water (other than sewer) As specified by schedule 3, table S3.1.	W1	Every 3 months	31 March, 30 June, 30 September, 31 December

Table S4.2: Annual production/treatment	
Parameter	Units
Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant; Recirculated into the waste mass; Accepted from offsite for treatment at any onsite effluent treatment plant.	Cubic metres/year

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Energy usage	Annually	MWh of electricity or natural gas

Table S4.4 Reporting forms		
Parameter	Reporting form	Form version number and date
Point source emissions to water (other than sewer)	Emissions to Surface Water and/or Groundwater Monitoring Form, or other form as agreed in writing by the Environment Agency	version 2, February 2026
Annual production/treatment	Other Performance Parameters 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
Waste Return	E-waste Return Form	-

Schedule 5 – Notification

These pages outline the information that the operator must provide.

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

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

Part A

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

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

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

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

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

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

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

Part B – to be submitted as soon as practicable

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

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

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

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

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

“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.

“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.

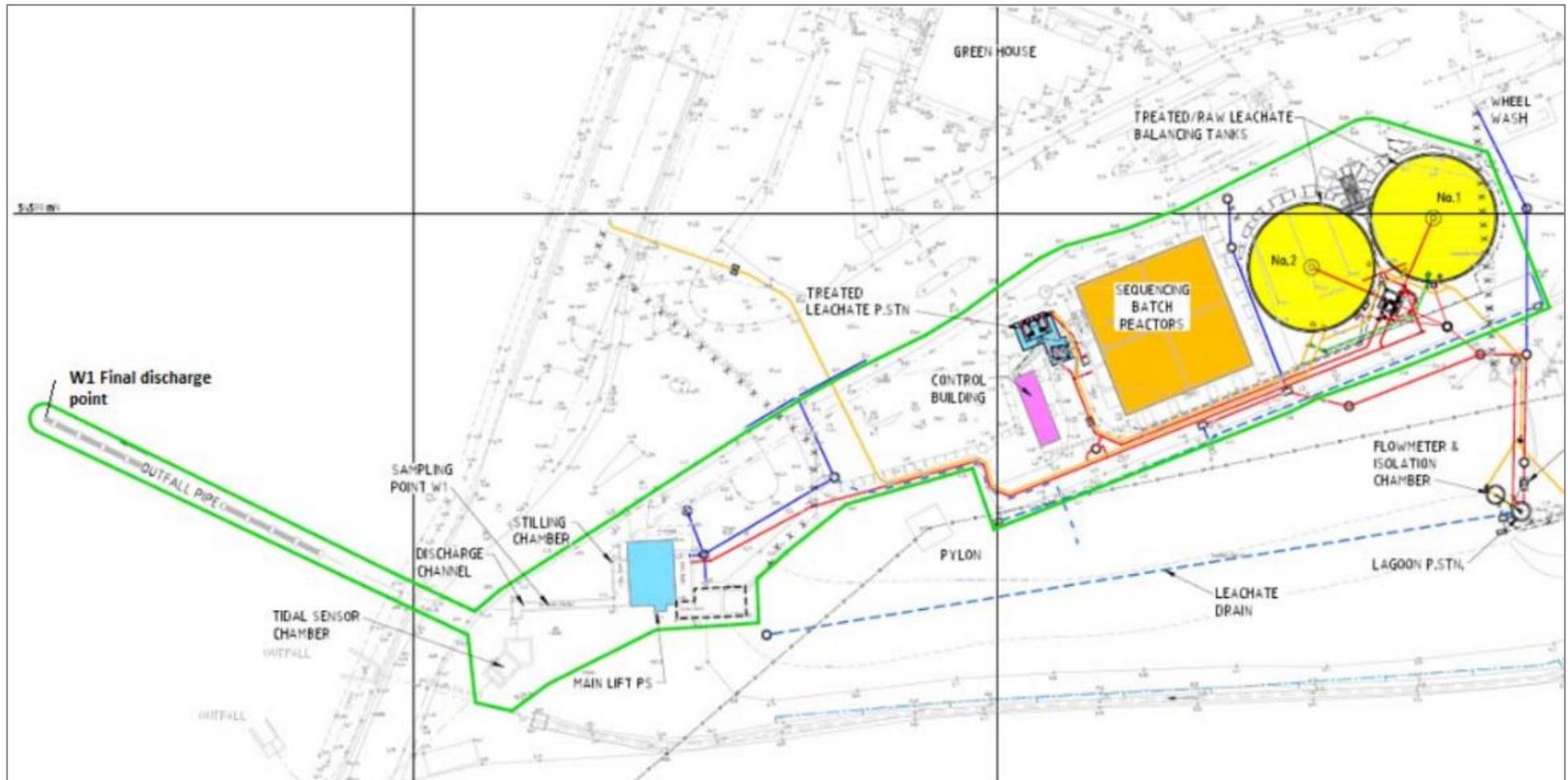
Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- 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 gas engines or gas turbines, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 15% dry for liquid and gaseous fuels ; and/or

in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content “year” means calendar year ending 31 December.

Schedule 7 – Site plan



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