

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dr Susan Elisabeth Yorkas

Sewage treatment plant and infiltration system serving
Lansdowne Park Homes
Wheal Rose
Scorrier
Redruth
Cornwall
TR16 5DB

Permit number

EPR/EB3093RZ

Lansdowne Park Homes

Permit number EPR/EB3093RZ

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

This permit allows the discharge of up to 39.2m³ per day of secondary treated sewage effluent from Lansdowne Park Homes. This development comprises of 61 full serviced static caravans and three domestic dwellings that each have four bedrooms. The effluent is treated via a British Standard Package Treatment plant and discharged to ground via an infiltration system. There is an additional overflow pipe with the last 10m of the pipe perforated for peak times which discharges to a drain leading to the Redruth Stream. This is an existing discharge activity. Connection to a foul sewer is currently not feasible.

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/EB3093RZ/A001	Duly made 25/04/2016	Application for discharge of secondary treated sewage effluent.
Additional information received	01/06/2016	Applicant completed information request from Schedule 5.
Permit determined EPR/EB3093RZ	20/07/2016	Permit issued to Dr Susan Elisabeth Yorkas

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number

EPR/EB3093RZ

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2010

Dr Susan Elisabeth Yorkas (“the operator”),

of

65 Worlebury Hill Road

Weston Super Mare

North Somerset

BS22 9ST

to operate a groundwater activity at

Lansdowne Park Homes

Wheal Rose

Scorrier

Redruth

Cornwall

TR16 5DB

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

Name	Date
Mark Hutchinson	20/07/2016

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 so far as is reasonably practicable, including those risks arising from operations, maintenance, accidents, incidents, non-conformances 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 the permit.

2 Operations

2.1 Permitted activities

2.1.1 The only activities authorised by the permit are the activities specified in schedule 1 table S1.1.

2.2 The site

2.2.1 The groundwater activity and the water discharge activity shall take place at the discharge points marked on the site plan at schedule 7 to this permit, and as listed in table S3.2; and, the operating techniques that are the subject of conditions prefixed by 2.3 shall be applied at the locations shown, or otherwise described, in schedule 7.

2.3 Operating techniques

2.3.1 The infiltration system specified in table S1.1 shall be constructed to comply with the following:

- (a) no part of the infiltration system constructed shall be more than 2 metres below ground level;
- (b) no part of the infiltration system shall be less than 1.2 metres above the highest predicted annual groundwater level;
- (c) the infiltration system shall not connect to any land drainage system;
- (d) the infiltration system shall not be situated within 50 metres of a well, spring or borehole that is used to supply water for domestic or food production purposes.

3 Emissions and monitoring

3.1 Emissions to water or land

3.1.1 The limits given in schedule 3 table S3.1 shall not be exceeded.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 For the activity A1 referenced in schedule 1, table S1.1 the operator shall take appropriate measures as far as is reasonably practicable:
- (a) to prevent the input of hazardous substances to groundwater; and
 - (b) where a non-hazardous pollutant is not controlled by an emission limit, to limit the input of such non-hazardous pollutants to groundwater so as to ensure that inputs do not cause pollution of groundwater.

3.3 Monitoring

- 3.3.1 Accessible monitoring points shall be provided and maintained to enable the monitoring to be carried out at the monitoring points specified in table S3.3 of schedule 3 and shown marked on the site plans in schedule 7.

4 Information

4.1 Records

- 4.1.1 All records required to be made by schedule 3, 4 and 5 to 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.
- 4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plan and management system required to be maintained by this permit.

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.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified as soon as reasonably practicable following detection, within the site of the regulated facility of:
- (a) 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; and
 - (b) any breach of a limit specified in schedule 3 table S3.1.

Any other significant adverse environmental effects, which may have been caused by the activity, shall also be notified to the Environment Agency as soon as reasonably practicable following detection.

- 4.3.2 The information provided under condition 4.3.1 shall be supported 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.

4.3.4 Where the operator proposes to make a change in the nature of the activity by increasing the concentration of, or the addition of, or allowing the introduction of, a substance to the activity to an extent that the operator considers could have a significant adverse environmental effect on the receiving waters, and the change is not the subject of an application for approval under the EP Regulations or under the terms of this permit:

- (a) the Environment Agency shall be notified in writing at least 14 days before the increase or addition or allowing the introduction; and
- (b) the notification shall contain a description of the proposed change.

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 "as soon as reasonably practicable", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 Activities		
Activity reference	Description of activity	Limits of specified activity
A1	Groundwater activity: discharge into land of secondary treated sewage effluent via Outlet 1	Via an infiltration system centred on NGR SW 71529 44916.
A2	Water Discharge activity: discharge of secondary treated sewage effluent via Outlet 2	Shall only occur when and for so long as the infiltration system is in direct contact with groundwater.

Schedule 2 – Waste types, raw materials and fuels

Schedule 2 not in use.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) and land – emission limits and monitoring requirements						
Effluent(s) and discharge point(s)	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
A1 and A2 Secondary treated sewage effluent via Outlet 1 and Outlet 2	Maximum daily discharge volume	39.2 m ³ /day	Total daily volume	N/A	N/A	Maximum
	ATU-BOD as O ₂	20 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Suspended solids (measured after drying at 105°C)	30 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Ammoniacal nitrogen (expressed as N)	20 mg/l	Instantaneous (spot sample)	N/A	N/A	Maximum
	Visible oil or grease	No significant trace present so far as is reasonably practicable	Instantaneous (visual examination)	N/A	N/A	No significant trace

Table S3.2 Discharge points			
Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
A1 Secondary treated sewage effluent	Outlet 1	SW 71552 44932	Groundwater via an infiltration system
A2 Secondary treated sewage effluent	Outlet 2	SW 71519 44882	A drain leading to the Redruth Stream

Table S3.3 Monitoring points			
Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
A1 Secondary treated sewage effluent via Outlet 1	Effluent sampling	SW 71554 44944	Effluent sampling point 1
A2 Secondary treated sewage effluent via Outlet 2	Effluent sampling	SW 71519 44882	Effluent sampling point 2

Schedule 4 – Reporting

Schedule 4 not in use.

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 7 days of detection unless otherwise agreed in writing by the Environment Agency	
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/type or nature of sewage released	
Best estimate of the quantity or rate of release of substances and/or duration of discharge	
Best estimate of the environmental impact of the discharge	
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 specified in schedule 3 table S3.1	
The information specified below is to be notified to the Environment Agency as soon as reasonably practicable following detection.	
Monitoring point reference/ source	
Self monitoring regime (where relevant)	
Type of failure	
Date of sample/event	
Parameter	
Result and units	
Limit and units	

Part B – to be submitted as soon as reasonably practicable unless otherwise agreed in writing by the Environment Agency

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/breach/exceedance	
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	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

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

"annually" means once every year.

“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.

“appropriate measures” for the purposes of the emission of substances not controlled by emission limits condition (condition 3.2.1) do not require the operator to undertake treatment to a level beyond that specified in schedule 1 table S1.1, or to carry out routine monitoring for substances not controlled by emission limits.

“ATU-BOD as O₂” means the biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allylthiourea).

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the permitted activities, which are not controlled by an emission limit.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2010 No.675 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“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.

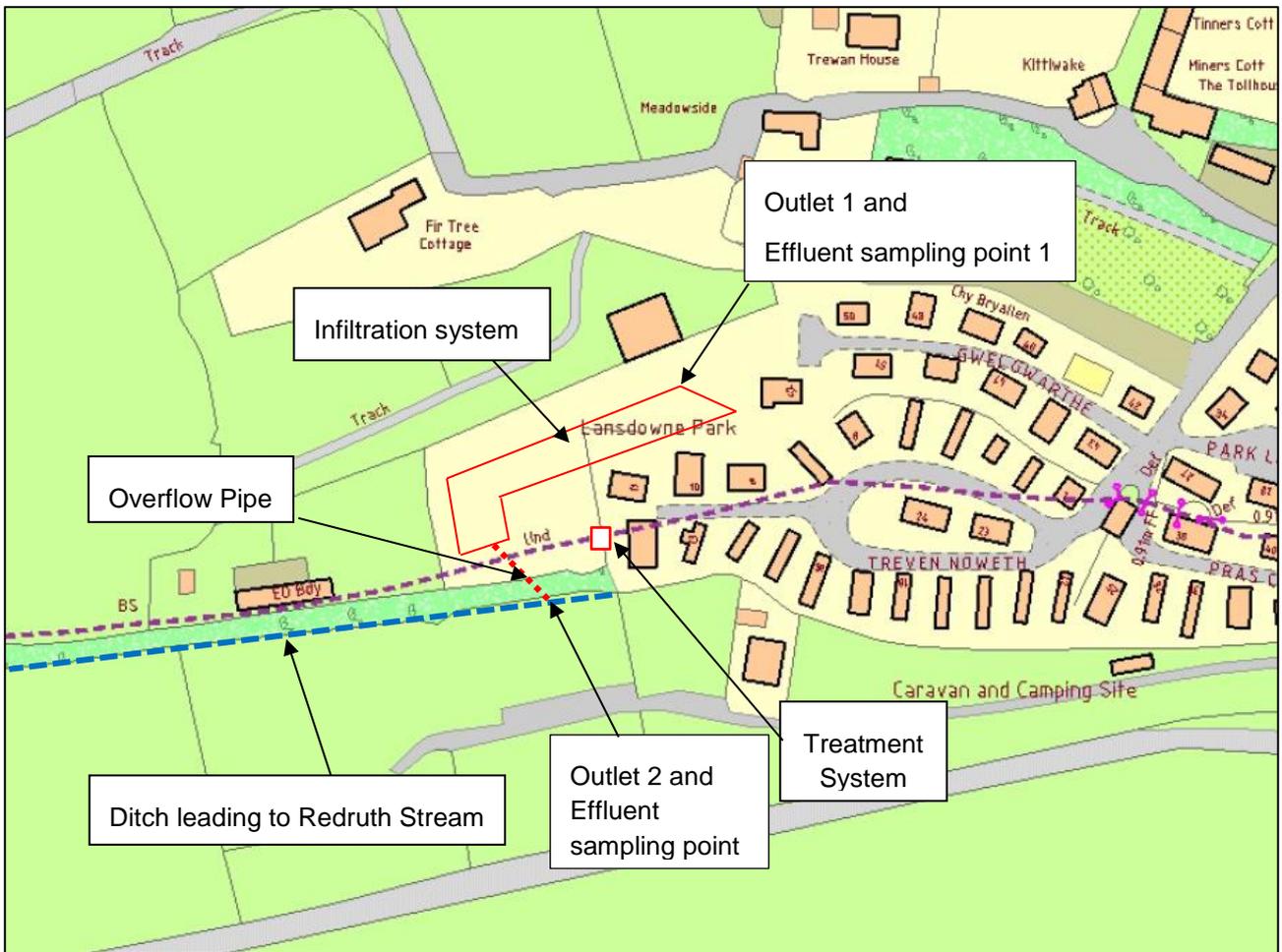
"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“significant adverse visible effect” means dead or distressed fish, other animals or plants in the vicinity of the discharge, appreciable deposit of solid material; significant growth of sewage fungus; appreciable discolouration.

“significant pollution” means a category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



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END OF PERMIT