

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dwr Cymru Cyfyngedig

Combined Sewer Overflow serving
Nolton Haven Sewage Pumping
Station
Nolton
Haverfordwest
Pembrokeshire
SA62 3NH

Permit number
EPR/UP3629XK

**Combined Sewer Overflow serving
Nolton Haven Sewage Pumping Station
Permit Number EPR/UP3629XK**

Introductory note

This introductory note does not form a part of the permit

The main features of the permit are as follows.

Identified as a previously un-consented discharge from the Combined Sewer Overflow at Nolton Haven sewage pumping station. This discharge will be permitted “as is” with an improvement condition to bring it up to current guidelines.

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/UP3629XK/A001	Duly made 14/05/2012	Application for discharge of storm sewage.
Permit determined	17/07/2012	Permit issued to Dwr Cymru Cyfyngedig

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit number
EPR/UP3629XK

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

Dwr Cymru Cyfyngedig (“the operator”),
whose registered office is

Pentwyn Road
Nelson
Treharris
Mid Glamorgan
CF46 6LY

company registration number **02366777**

to operate a water discharge activity at

Nolton Haven Sewage Pumping Station
Nolton
Haverfordwest
Pembrokeshire
SA62 3NH

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

Name	Date
Eleanor Smart	17/07/2012

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 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.

2 Operations

2.1 Permitted activities

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

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green and the discharge shall be made at the point marked on the site plan at schedule 7 to this permit and as listed in table S3.2 (discharge points).

2.3 Operating techniques

- 2.3.1 For the discharge(s) specified in table S3.3:
- (a) The discharge shall only occur when and only for as long as the flow passed forward is equal to or greater than the overflow setting indicated due to rainfall and/or snow melt and shall only consist of flows in excess of that figure.
 - (b) The discharge shall not be comminuted or macerated.
 - (c) The discharge shall have passed through screens as specified and shall not contain a significant quantity of solid matter with a particle size greater than any indicated. All screenings shall be removed from the discharge.

- (d) Where a mechanically raked screen is installed a telemetry alarm system shall be installed and maintained so as to give the operator immediate notification of a failure of the screen raking mechanism. The operator shall take all appropriate measures to return the screen raking mechanism to normal operation as soon as reasonably practicable after receipt of notification of the failure.

- 2.3.2 For the following activities referenced in schedule 1, table S1.1. Where the discharge results in unsatisfactory solid matter being visible in the receiving waters, on the banks of the receiving water, beach or shoreline, in the vicinity of the outfall, the operator shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable after the discharge has been reported.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.2 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

- 3.1.1 There shall be no point source emissions to water except from the sources and emission points listed in schedule 3.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.

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;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.3 Monitoring

- 3.3.1 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, S3.2, S3.3 and S3.4 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.
- 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.

4.3 Notifications

- 4.3.1 The Environment Agency shall be notified without delay following the detection 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;
 - (b) the breach of a limit specified in the permit; or
 - (c) any significant adverse environmental effects.
- 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.

- 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.

4.4 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 "without delay", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 Activities	
Description of activity	Limits of specified activity
Discharge of storm sewage via outlet 1	N/A

Table S1.2 Improvement programme requirements		
Reference	Requirement	Date
Discharge of storm sewage via outlet 1	<p>1(a) The combined sewer overflow shall be designed to ensure that there shall be no more than 3 spills per bathing season (i.e. May to September inclusive) on average over a ten year period.</p> <p>(b) The combined sewer overflow shall be constructed and operated in accordance with the design.</p> <p>(c) At the request of the Agency, the Operator shall provide calculations and evidence to confirm that the combined sewer overflow is designed and constructed in accordance with conditions (a) and (b) above.</p> <p>2(a) A recording system shall be provided and maintained to record the frequency and duration of overflow events</p> <p>(b) The Operator shall supply the Environment Agency, with an annual written report of the operation of the combined sewer overflow, to include date, start time and duration of each spill in accordance with the format provided by the Environment Agency.</p> <p>(c) Provision of this report will coincide with the annual monitoring under the Bathing Water Directive. The report shall cover the 5 month period 1st May – 30th September inclusive, and shall be provided by the end of October.</p> <p>(d) On request, the Operator shall supply the Environment Agency with written details of individual spill event(s).</p>	31/03/2014
Discharge of storm sewage via outlet 1	<p>The operator shall provide the following in writing by 31st March 2013:</p> <ul style="list-style-type: none"> • Pass forward flow setting based on original design capacity of pumps and rising main. • Pass forward flow setting based on drop tests and/or measured flows • Storm storage volume (m³) and whether storage is on or off line. • Emergency storage volume (m³) • Screening details • Emergency provisions e.g. standby pumps, standby power, standby generator/power/connections for mobile generator, tanker access, duplicate rising main. • Details of any telemetry or monitoring e.g. flow to full treatment / pass forward flow, discharge to environment, powered screen failure, power failure, pump failure, wet well high level, etc. • Location plan and NGR for pumping station/CSO, overflow outfall and sample point • Dry weather flow calculation from upstream population • Where you need the pumping station permit to allow storm discharges you should provide the evidence you have to show it is justified, and that evidence may include: 	31/03/2013

	<ul style="list-style-type: none"> • Information from most recent drainage area plan (DAP) and any historic evidence from previous DAP. Identifying if drainage area plan is being produced/revised in AMP5 • Sewer record plan showing area served by pumping station. • Assessment of percentage of properties served by system types: foul only surface otherwise, separate foul and surface, partially separate, and fully combined systems. • Long term records of all telemetry alarms, distinguishing between high level alarms and spills due to pumping station failures, and those due to storm. Include rainfall record to evidence cause of storm discharges. • Latest sewer model predicted spill frequency. Where available, provide relevant model build and verification report as evidence. 	
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Schedule 2 - Waste types, raw materials and fuels

Wastes are not accepted as part of the permitted activities and there are no restrictions on raw materials or fuels under this schedule.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements. Effective from 31/3/2014

Effluent and discharge point	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Storm sewage via outlet 1	Discharge start and end times	No set limit	N/A	N/A	Whenever a discharge occurs	N/A

Table S3.2 Discharge points

Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
Storm sewage	Outlet 1	SM 85997 18644	Tributary of Nolton Bay

Table S3.3 Storm sewage discharge settings

Emission	Description of discharge	Overflow setting l/s	Maximum size of solid matter	Screen aperture size	Minimum screen capacity flow l/s	Storm tank/storage capacity m ³
Storm sewage via outlet 1	Storm sewage	Not lower than the overflow setting on the date this permit was authorised			N/A	Not less than the volume available on the date the permit was authorised

Table S3.4 Monitoring points

Effluent and discharge point	Monitoring type	Monitoring point NGR
Storm sewage via outlet 1	Effluent sample point	SM 86035 18617

Schedule 4 – Reporting

There is no reporting under this schedule.

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	
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 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.

"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.

"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.

"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.

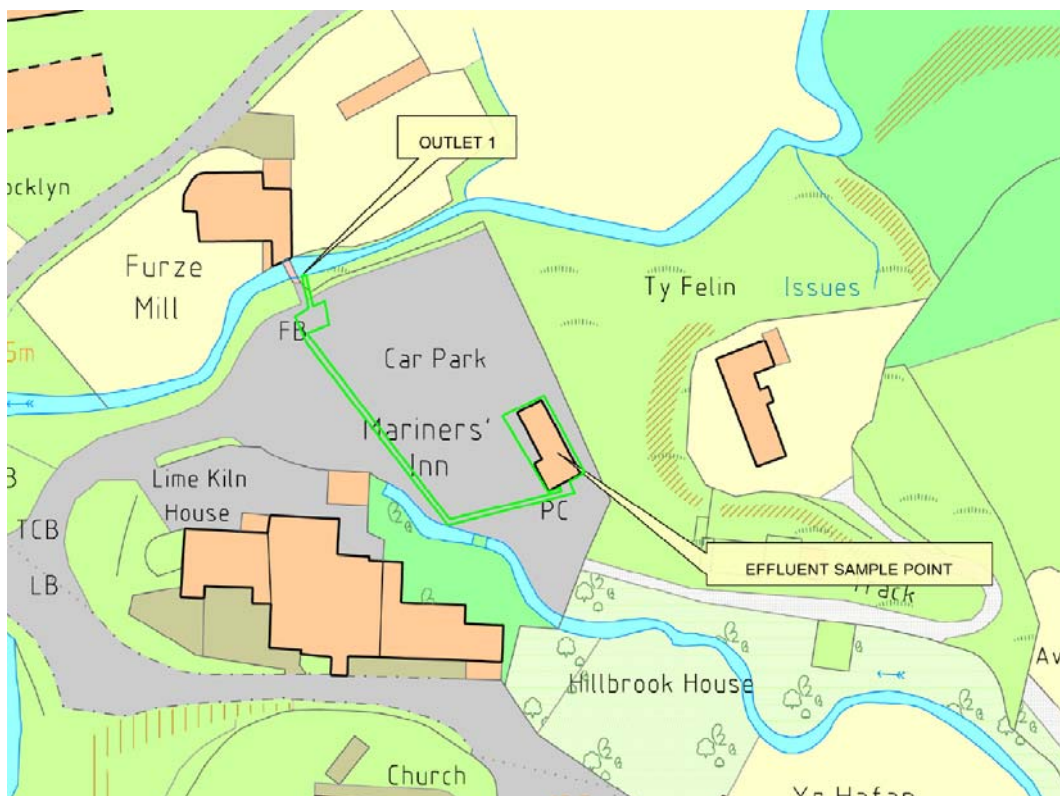
"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

"year" means calendar year ending 31 December.

"Overflow setting" means the minimum flow passed forward to the continuation sewer when the overflow operates.

"Spill" is defined as one or more overflow events of total volume greater than 50m³/d within a period of 12 hours or less will be considered to be one spill. One or more of such overflow events (extending over a period of greater than 12 hours to 36 hours) will be considered to be 2 spills. Each subsequent 24 hour duration of such overflow events counts as 1 additional spill.

Schedule 7 - Site plan



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END OF PERMIT