



**Environment
Agency**

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

RWE Npower

Site drainage from Pembroke Power
Station

West Pennar

Pembroke

Pembrokeshire

SA71 5SS

Permit number

EPR/HP3820XU

Site drainage from Pembroke Power Station

Permit Number EPR/HP3820XU

Introductory note

This introductory note does not form a part of the permit

The main features of the facility are as follows.

The discharge is made up of drainage from the former tank farm area in the northern part of the site and the original power station basement void. The water from these two areas flow to an oil water separator where they combine. The water then flows through an on site drainage system before being discharged into the Pennar Gut via a tidal flap valve.

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

Status Log of the permit

Detail	Date	Comments
Application EPR/HP3820XU/A001	Duly made 18/01/2011	
Additional information received	14/04/2011	Schedule 5 response containing further sample data
Application determined EPR/HP3820XU	14/06/2011	

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2010

Permit

Permit number

EPR/HP3820XU

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

RWE Npower ("the operator"),

whose registered office is

Trigonos

Windmill Hill Business Park

Whitehill Way

Swindon

Wiltshire

SN5 6PB

company registration number 3892782

to operate a water discharge activity at

Pembroke Power Station

West Pennar

Pembroke

Pembrokeshire

SA71 5SS

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

Name

Date

Christopher Hall

14th June 2011

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).

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.

3.1.3 Unless the concentration is specifically regulated by condition 3.1.2 and appears in table S3.1 of this permit, the concentration of a List 1 Substance (as defined in the Dangerous Substances Directive 76/464/EEC) in the discharge shall not exceed that specified for that substance in the "List 1 General Standards" in schedule 3B of this permit.

3.1.4 Unless the concentration is specifically regulated by condition 3.1.2 and appears in table S3.1 of this permit, the discharge shall not contain a concentration of any List 2 Substance (as defined in the Dangerous Substances Directive 76/464/EEC) such as to cause any relevant Environmental Quality Standards, set out in DOE Circular 007/89, SI 1997 No 2560 and SI 1998 No 389, to be exceeded in the receiving water.

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 and S3.3 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 trade effluent consisting of site drainage via outlet 1	Discharge to be made via an oil interceptor

fuels

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

[illegible]

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements

Discharge source and discharge point ref. & location	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Site drainage effluent via outlet 1	Maximum daily discharge volume	24000 m ³ /day	Total daily volume	N/A		Maximum
Site drainage effluent via outlet 1	Maximum rate of discharge	278 litres per second	Instantaneous	N/A		Maximum
Site drainage effluent via outlet 1	Suspended solids (measured after drying at 105° C)	60 mg/l	Instantaneous (spot sample)	N/A		Maximum
Site drainage effluent via outlet 1	pH	6 to 9	Instantaneous (spot sample)	N/A		Minimum and maximum
Site drainage effluent via outlet 1	Total Cyanide	5ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Total Arsenic	25ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Total Aluminium	500ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)

Site drainage effluent via outlet 1	Total Cadmium	0.2ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Dissolved Chromium VI	0.6ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Dissolved Copper	5ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Total Lead	7.2ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Total Nickel	20ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Dissolved Zinc	40ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Total Mercury	0.07ug/l	Instantaneous (spot sample)	N/A		Maximum (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Total Vanadium	100ug/l	Instantaneous (spot sample)	N/A		Annual mean (measured using a saline analysis technique)
Site drainage effluent via outlet 1	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace

Table S3.2 Discharge points

Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
Site drainage effluent	Outlet 1	SM 93883 02362	Pennar Gut

Table S3.3 Monitoring points

Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR
Site drainage effluent via Outlet 1	Effluent sample point	SM 93170 02740

Schedule 3B - List I General Standards

List I General Standards		
	Substance	Limit Total Concentration (ug/l) Surface Waters
1.	Anthracene	0.2
2.	Benzene	20 (16 other surface Waters)
3.	Fluoranthene	0.2
4.	Naphthalene	4.8 (2.4 other surface waters)
5.	Benzo(a)pyrene	0.1
6.	Benzo(b)fluor-anthene	Sum 0.06
7.	Benzo(k)fluor-anthene	

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.

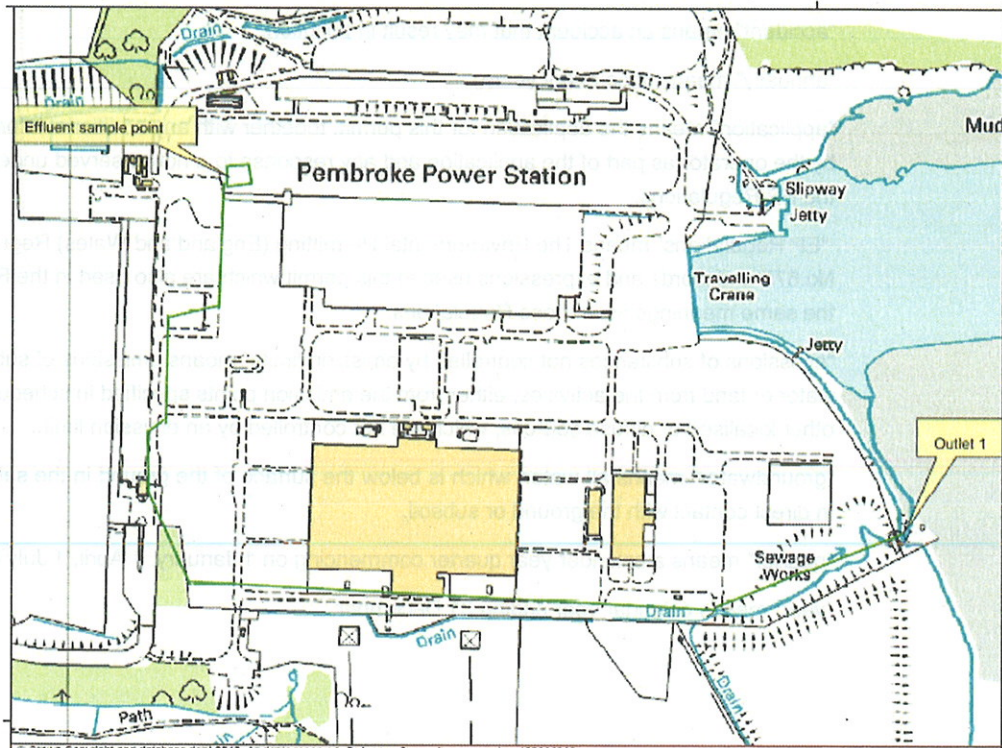
"emissions of substances not controlled by emission limits" means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit..

"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.

Schedule 7 - Site plan



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