

# **Notice of variation and consolidation with introductory note**

The Environmental Permitting (England & Wales) Regulations 2016

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The Coal Authority

Ynysarwed Minewater Treatment Works  
Neath Road  
Ynysarwed  
Neath  
SA11 4DD

Variation application number  
PAN-014605 and PAN-014606

Permit number  
BP0275801

# Ynysarwed Minewater Treatment Works

## Permit number BP0275801

### Introductory note

**This introductory note does not form a part of the notice.**

The following notice gives notice of the variation and consolidation of an environmental permit.

The Coal Authority holds two permits BP0267801 and BP0275801. The Operator wishes to consolidate the permits retaining BP0275801. Discharge locations and numeric conditions will remain unchanged with the exception of Iron. The minewater will now be treated using a High-Density Sludge (HDS) Plant to treat Iron. In addition, the reedbeds at Ynysarwed are going under total refurbishment.

The schedules specify the changes made to the permit.

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

#### Status log of permit A: BP0267801

Description	Date	Comments
Application PAN-014605 (variation and consolidation)	Duly made 02/08/2021	Application to vary and consolidate permits BP0275801 and BP0267801
Variation determined BP0275801	08/03/2022	Varied and consolidated permit issued as BP0275801 in modern condition format.

#### Status log of permit B: BP0275801

Description	Date	Comments
Application PAN-014606 (variation and consolidation)	Duly made 02/08/2021	Application to vary and consolidate permits BP0275801 and BP0267801
Variation determined BP0275801	08/03/2022	Varied and consolidated permit issued as BP0275801 in modern condition format.

End of introductory note

## Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Natural Resources Body for Wales (“Natural Resources Wales”) in exercise of its powers under regulations 18 and 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

**Permit number**  
**BP0275801**

**issued to:**  
**The Coal Authority** (“the operator”)

of

**200 Lichfield Lane**  
**Mansfield**  
**NG18 4RG**

to operate a regulated facility at

**Ynysarwed Minewater Treatment Works**  
**Neath Road**  
**Ynysarwed**  
**Neath**  
**SA11 4DD**

to the extent set out in the schedules.

The notice shall take effect from 31<sup>st</sup> December 2023

**The number of the consolidated permit is BP0275801**

Name

Date

**Melissa Broad**

**8<sup>th</sup> March 2022**

Authorised on behalf of Natural Resources Wales

**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**  
**BP0275801**

This is the consolidated permit referred to in the variation and consolidation notice for application PAN-014605 and PAN-014606 authorising,

**The Coal Authority** (“the operator”),

of

**200 Lichfield Lane**  
**Mansfield**  
**NG18 4RG**

to operate a regulated facility at

**Ynysarwed Minewater Treatment Works**  
**Neath Road**  
**Ynysarwed**  
**Neath**  
**SA11 4DD**

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

Name	Date
<b>Melissa Broad</b>	<b>8<sup>th</sup> March 2022</b>

Authorised on behalf of Natural Resources Wales permit issued as a separate document.

# 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 discharges shall be made at the points 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 (a) 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 Natural Resources Wales.

- (b) If notified by Natural Resources Wales that the activities are giving rise to pollution, the operator shall submit to Natural Resources Wales 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 Natural Resources Wales.

## **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 Natural Resources Wales.
- 2.4.2 Except in the case of an improvement which consists only of a submission to Natural Resources Wales, the operator shall notify Natural Resources Wales within 14 days of completion of each improvement.

## **2.5 Pre-operational conditions**

- 2.5.1 The activities shall not be brought into operation until 31<sup>st</sup> December 2023.

# **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 Natural Resources Wales that the activities are giving rise to pollution, submit to Natural Resources Wales 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 Natural Resources Wales.

### **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 Natural Resources Wales.

## **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 Natural Resources Wales, 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 Natural Resources Wales.

### **4.2 Reporting**

- 4.2.1 The operator shall send all reports and notifications required by the permit to Natural Resources Wales using the contact details supplied in writing by Natural Resources Wales.

### **4.3 Notifications**

- 4.3.1 Natural Resources Wales 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 Natural Resources Wales has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling, the operator shall inform Natural Resources Wales when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to Natural Resources Wales at least 14 days before the date the monitoring is to be undertaken.

4.3.4 Natural Resources Wales 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) Natural Resources Wales 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**

Activity reference	Description of activity	Limits of specified activity
A1	Discharge of trade effluent consisting of treated minewater via outlet 1	The reedbeds shall be operated and maintained in accordance with good operational practice.
A2	Discharge of trade effluent consisting of treated minewater via outlet 2	
A3	Discharge of trade effluent consisting of treated minewater in an emergency via outlet 3	N/A

**Table S1.2 Operating techniques**

Description of documentation	Parts	Date Received
Ynysarwed Refurbishment - Permit Variations	All parts	05/07/2021

**Table S1.3 Improvement programme requirements**

Reference	Requirement	Date
A1, A2 and A3	The Operator shall submit a document detailing a site management system incorporating details of monitoring programme, maintenance, dosing operation and use of reedbed system.	From 6 weeks of permit issue

## **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						
Discharge source and discharge point ref. & location	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
A1 and A2: Trade effluent consisting of treated minewater via outlet 1 and/or outlet 2	Maximum daily discharge volume	3110 m <sup>3</sup> /day volume for A1 and A2 combined	Total daily volume	N/A	N/A	Maximum
	Maximum rate of discharge	36 litres per second	Instantaneous (spot sample)	N/A	Monthly	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	Monthly	Minimum and maximum
	Total iron as Fe	7 mg/l	Instantaneous (spot sample)	N/A	Monthly	Maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace
A3: Trade effluent consisting of treated minewater in an emergency via outlet 3	Maximum daily discharge volume	3110 m <sup>3</sup> /day	Total daily volume	N/A	N/A	Maximum
	Maximum rate of discharge	36 litres per second	Instantaneous (spot sample)	N/A	Monthly	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	Monthly	Minimum and maximum
	Total iron as Fe	7 mg/l	Instantaneous (spot sample)	N/A	Monthly	Maximum
	Visible oil or grease	No significant trace present	Instantaneous (spot sample)	N/A	N/A	No significant trace

<b>Table S3.2 Discharge points</b>			
<b>Effluent Name</b>	<b>Discharge Point</b>	<b>Discharge point NGR</b>	<b>Receiving water</b>
A1 Trade effluent consisting of treated minewater	Outlet 1	SN 80400 01120	River Neath
A2 Trade effluent consisting of treated minewater	Outlet 2	SN 80500 01200	River Neath
A3 Trade effluent consisting of treated minewater in an emergency	Outlet 3	SN 80848 01704	Neath Canal

<b>Table S3.3 Monitoring points</b>			
<b>Effluents and discharge points</b>	<b>Monitoring type</b>	<b>Monitoring point NGR</b>	<b>Monitoring point reference</b>
A1 Trade effluent consisting of treated minewater via the large reedbed via outlet 1	Effluent sample point 1	SN 80400 01120	Outlet 1
A2 Trade consisting of treated minewater via the small reedbed via outlet 2	Effluent sample point 2	SN 80500 01200	Outlet 2
A3 Trade effluent consisting of treated minewater in an emergency via outlet 3	Effluent sample point 3	SN 80848 01704	Outlet 3
A1, A2 and A3 Trade effluent consisting of treated minewater via the large reedbed via outlet 1, 2 and 3	Influent sample point	SN 80856 01754	Influent sample point

## Schedule 4 – Reporting

Determinands, for which reports shall be made, in accordance with conditions of this permit, are listed below.

**Table S4.1 Reporting of monitoring data**

<b>Determinand</b>	<b>Monitoring point reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Total Iron as Fe pH Maximum rate of discharge	Influent sample point Effluent sample point 1,2 and 3	Annual	1 January

**Table S4.2 Reporting forms**

<b>Determinand</b>	<b>Reporting format</b>
Total Iron as Fe pH	Electronic format specified by Natural Resources Wales

## 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	<b>Ynysarwed Minewater Treatment Works, Neath Road, Ynysarwed, Neath SA11 4DD</b>
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**

<b>To be notified within 24 hours of detection</b>	
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**

<b>To be notified within 24 hours of detection unless otherwise specified below</b>	
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.	

<b>Name*</b>	
<b>Post</b>	
<b>Signature</b>	
<b>Date</b>	

\* 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 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.

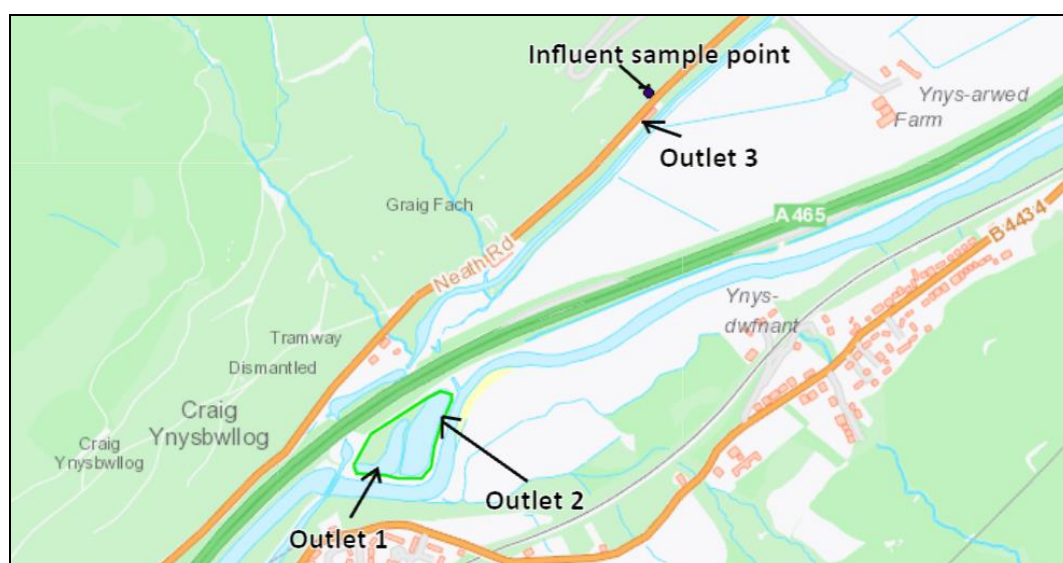
"groundwater" means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

"Natural Resources Wales" means the Natural Resources Body for Wales established by article 3 of the Natural Resources Body for Wales (Establishment) Order 2012. The Natural Resources Body for Wales (Functions) Order 2013 transferred the relevant functions of the Countryside Council for Wales, and functions of the Environment Agency and the Forestry Commission in Wales to the Natural Resources Body for Wales

"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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