

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Eni UK Limited

**Point of Ayr Gas Terminal
Talacre
Flintshire
CH8 9RD**

Variation number

EPR/DP3934EW/V004

Permit number

EPR/DP3934EW

Point of Ayr Gas terminal

Permit number EPR/DP3934EW

Introductory note

This introductory note does not form a part of the notice

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

This variation authorises a temporary directly associated activity consisting of collection of PFOS-affected groundwater following abstraction, treatment (including surface water) using a dual-vessel granular activated carbon (GAC), chemical dosing and solid removal treatment plant, and controlled discharge of treated effluent to Talacre Brook following validated treatment performance safeguards.

The variation incorporates operational safeguards, introduces a PFOS emission limit at W1, secures verification monitoring, and introduces a pre-operational Improvement Condition requiring approval of a Carbon Treatment and Breakthrough Management Plan prior to commencement of full dewatering.

This is a normal variation under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016.

Status log of the permit

Description	Date	Comments
Application EPR/ZP3331LM/A001	Duly made 30/06/2006	Application for a gas processing plant
Permit determined EPR/ZP3331LM	20/03/2007	Original permit issued to BHP Billiton Petroleum limited
Application EPR/DP3934EW/T001 (Full transfer of permit EPR/ZP3331LM)	Duly made 14/01/2014	Application to transfer the permit in full to Eni Liverpool Bay Operating Company Limited
Transfer Determined EPR/DP3934EW	14/01/2014	Full transfer of permit complete
Application EPR/DP3934EW/T002 (full transfer)	Duly made 15/11/2016	Application to transfer the permit in full to Eni UK Limited
Transfer determined EPR/DP3934EW	13/12/2016	Full transfer of permit complete
Permit review determined EPR/DP3934EW/V003	26/10/2018	Reviewed against Refinery BREF Note.
Application received	Duly made 01/02/26	Application for temporary directly associated activity consisting of collection of PFOS-affected groundwater following abstraction, treatment using a multi-vessel granular activated carbon (GAC), chemical dosing and solid removal mobile treatment plant, and controlled discharge of treated effluent to Talacre Brook (emission point W1).
Variation determined EPR-DP3934EW/V004 (PAN-029789)	27/03/26	Varied Permit Issued

End of introductory note

Notice of variation

Environmental Permitting (England and Wales) Regulations 2016

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

Permit number
EPR/DP3934EW

issued to:

Eni UK Limited

whose registered office is/ whose registered office is

**Eni House
10 Ebury Bridge Road
London
SW1W 8PZ**

company registration number **00862823**

to operate an installation at

**Point of Ayr Gas Terminal,
Talacre,
Flintshire,
CH8 9RD**

to the extent set out in the schedules.

The notice shall take effect from ??/03/2026

Signed

Date

Jennifer McGuire

27/03/2026

Authorised on behalf of Natural Resources Wales

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

Table S1.1 – Permitted Activities

Directly Associated Activities (activity below is added, existing table is otherwise unaltered)

Activity	Description of Activity	Limits of specified activity
DA1 – Temporary groundwater and surface water collection, treatment and discharge	Collection of groundwater and surface water within the installation boundary; multi-stage treatment incorporating pH correction, metals precipitation using automated chemical dosing (OSSO WTS20), coagulation/flocculation, solids removal, carbon adsorption and GAC polishing; discharge of treated water to emission point W1 (Talacre Brook).	Activity limited to temporary remediation and construction-related dewatering operations and must comply with Table S3.2 and the approved Treatment and Breakthrough Management Plan. Authorised until 31/12/2028 , after which discharge from DA1 via W1 shall cease unless otherwise varied.

Table 1.2 – Operating Techniques

The following documents are incorporated as operating techniques:

Information to Support Permit Variation discharge of treated water:
February 2026

Liverpool Bay CCS Site Management of Soils and Water for Shallow
Excavations – Soil and water management protocol

The multi stage treatment system shall include a multi-vessel GAC configuration with defined breakthrough triggers and shutdown thresholds. Adequate storage capacity shall be maintained to prevent uncontrolled discharge.

Table S3.2 – Point Source emissions to water (other than sewer) – emission limits and monitoring requirements (Emission point W1 – Talacre Brook)

1. The row below is added for W1:

Parameter: Perfluoro octane Sulfonate (PFOS)

Limit: 0.10 µg/L

Reference period: Spot sample (final effluent following treatment through post-lag GAC).

Monitoring frequency: Weekly for the first three months of operation of DA1, reducing to fortnightly thereafter, in accordance with the validated treatment performance plan (see NOTE 1). Otherwise prior to each discharge for batch discharge.

Monitoring standard: UKAS accredited laboratory analysis

NOTE 1 to table S3.2: During initial commissioning, discharge may proceed on the basis of validated treatment performance and breakthrough control parameters. Verification samples shall be taken in accordance with the breakthrough plan (IC8). If any analytical result demonstrates exceedance of the PFOS, BOD or pH limit, permit condition 4.3.1 shall apply. Unless 4.3.1(c) requires immediate suspension of the discharge, the discharge shall otherwise cease as soon as reasonably practicable upon receipt of that result, dewatering operations shall be suspended, and Natural Resources Wales shall be notified immediately.

2. The existing rows for W1 (Biochemical oxygen demand and pH) are modified as follows:

Monitoring Frequency [for both parameters BOD and pH]: the existing wording "*prior to each discharge*" is replaced with "*Weekly (for continuous discharge resulting from DA1 operation; otherwise prior to each discharge for batch discharge operation)*"

Table S1.3 Improvement Programme requirements (the two rows below are added introducing IC8 and IC9 – the table is otherwise unaltered)

IC8 – Carbon Treatment and Breakthrough Management Plan

This improvement condition applies to **DA1 – Temporary groundwater and surface water collection, treatment and discharge in operation and upon cessation**, and supports the limits and controls set out in Table S1.1

IC8

The Operator shall submit to Natural Resources Wales, for written approval, a **PFOS Treatment and Breakthrough Management Plan**. The Plan shall include:

1. **PFOS breakthrough management**, including trigger concentrations, shutdown thresholds, and carbon replacement protocol.
2. **Monitoring arrangements** for PFOS during commissioning and full operation, with increased frequency during early stages.
3. **Post-abstraction surface-water treatment requirements**, namely:
 - Continued treatment of **all surface water** through the approved PFOS treatment system after groundwater abstraction ceases;
 - Ongoing PFOS and other relevant determinand monitoring at a frequency agreed with NRW;
 - Continued treatment **until monitoring demonstrates PFOS and other relevant determinand levels have returned to background or other values agreed in writing by NRW**.

Due:

Report to be submitted within 4 weeks of issue of variation V004

IC9 - Assessment of requirement of the heavy metal and PAH water treatment system during and after groundwater abstraction

This improvement condition applies to **DA1 – Temporary groundwater and surface water collection, treatment and discharge in operation**

and upon cessation, and supports the limits and controls set out in Table S1.1

IC9

The operator shall submit to Natural Resources Wales, for written approval, an updated environmental risk assessment supported by additional hydrological modelling and, where appropriate, onsite groundwater and treatment system inlet monitoring. The submission shall include, but may not be limited to, an assessment of metals and PAH concentrations. Should the results indicate that refinements or removal of the treatment process are appropriate, the operator shall propose a plan for these changes in writing, including a timescale for implementation, for prior written approval by NRW. Any such proposal must include continued periodic monitoring to ensure continued achievement of effluent concentrations for metals and PAH below those that would cause EQS exceedances as detailed in the variation application, both during and after groundwater abstraction activity.

Due:

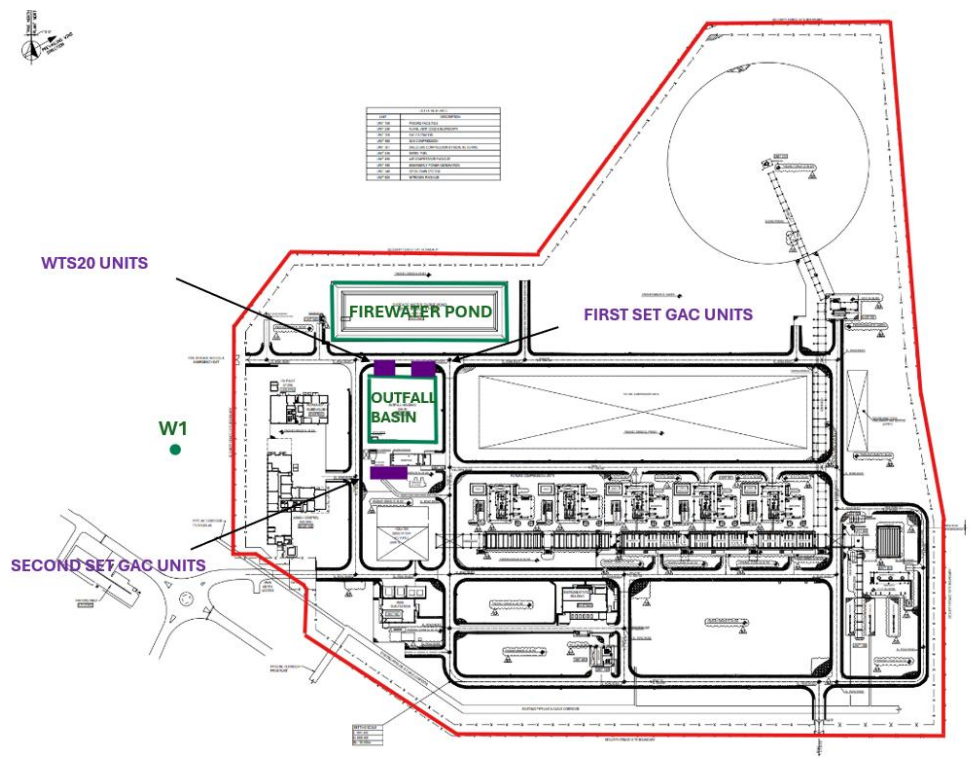
Operator report on performance to be submitted within 4 months of issue of Variation V004 and may be updated at any point by written agreement of NRW, including when abstraction ceases..

Schedule 3 – Conditions to be added

None

Schedule 4 – additional site plan (informative)

Note: This plan supplements the existing plan found in Schedule 7 of the permit (V003) – the permit boundary of which is unaltered. The plan below shows indicative permit boundary in red line (authorised permit boundary in green in V003) and shows informative layout of DA1 – Temporary groundwater collection, treatment and discharge in green.



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