

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Dwr Cymru Cyfyngedig

Five Fords WwTW Gas to Grid Facility
Cefn Road
Abenbury
Wrexham
Clwyd
LL13 0PA

Variation application number

EPR/AP3139FT/V003

Permit number

EPR/AP3139FT

Five Fords WwTW Gas to Grid Facility

Permit number EPR/AP3139FT

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.

This variation is to allow biogas produced from the existing sludge treatment and anaerobic digestion process (previously used in Combined Heat and Power (CHP) units in order to produce renewable power and hot water for process heating) to be upgraded for injection to the national gas grid.

The Biomethane Injection Plant (BIP) comprises three main packages; Biogas Upgrade Plant (BUP); Grid Entry Unit (GEU), and; Propane Storage and Transfer Plant (PSTP). The BIP is intended to take biogas produced from the anaerobic digestion (AD) of sewage sludge for enhancement to allow direct injection of biomethane into the national grid.

The CHP plant was previously permitted as an installation however the permit was varied in 2013 to reflect the implementation of the Industrial Emissions Directive into England and Wales, this meant that the gas engines were permitted as waste operations. Given the nature of the proposed biogas to biomethane conversion process, the activities meets the definition of a Part A(1) installation under Section 1.2 of Schedule 1 of the EPR 2013, Gasification, Liquefaction and Refining Activities, namely: PartA(1) (a) "Refining gas where this is likely to involve the use of 1,000 or more tonnes of gas in any 12- month period". This means that the activities carried out at Five Fords will once again be regulated as Schedule 1 installations.

A consolidated permit has been produced to incorporate these changes.

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 the permit		
Description	Date	Comments
Application EPR/AP3139FT/A001	Duly made 14/11/11	Application for CHP facility
Additional information received	08/12/11	Aermod data input file for the detailed air dispersion modelling
Additional information received	08/02/12	Related to the operation of siloxane removal plant
Permit determined	10/02/12	Permit issued to Dwr Cymru Cyfyngedig
Agency variation determined EPR/AP3139FT/V002	26/02/13	Agency variation to implement the changes introduced by IED
Variation Application EPR/AP3139FT/V003 (variation and consolidation)	Duly made 17/12/14	Variation Application for adding gas refining activity to enable injection of biogas to national grid
Additional information received	05/02/15	Clarification of throughput and revised risk assessment revised.
Variation determined EPR/AP3139FT	25/03/15	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2010

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 2010 varies and consolidates

Permit number
EPR/ AP3139FT

issued to
Dwr Cymru Cyfyngedig ("the operator")

whose registered office is

**Pentwyn Road
Nelson
Treharris
Mid Glamorgan
CF46 6LY**

company registration number **02366777**

to operate a regulated facility at

**Five Fords WwTW Gas to Grid Facility
Cefn Road
Abenbury
Wrexham
Clwyd
LL13 0PA**

to the extent set out in the schedules.

The notice shall take effect from 25/03/2015

Name

Date

	25 March 2015
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Eirian Macdonald
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.