

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Thorpe Marsh Power Limited
Thorpe Marsh Power Station
Near Barnby Dun
Doncaster
DN3 1ET

Variation application number

EPR/RP3238KG/V002

Permit number

EPR/RP3238KG

Thorpe Marsh Power Station

Permit number EPR/RP3238KG

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.

The requirements of the Industrial Emissions Directive (IED) 2010/75/EU are given force in England through the Environmental Permitting (England and Wales) Regulations 2010 (the EPR) (as amended).

This variation notice refers to the operation of large combustion plant (LCP), as defined by articles 28 and 29 of the Industrial Emissions Directive (IED). Environmental Permit EPR/RP3238KG has been varied by the Environment Agency to facilitate the implementation of the special provisions for LCP given in the IED, by the 1 January 2016 (Article 82(3)). The IED makes special provisions for LCP under Chapter III.

This variation notice sets pre-operational condition PO11 into Environmental Permit EPR/RP3238KG to ensure that the site can only operate in accordance with Chapter III of the Industrial Emissions Directive. The Operator, Thorpe Marsh Power Ltd, must demonstrate their compliance with Chapter III of the Industrial Emissions Directive, should they wish to operate the site and must have obtained written approval from the Environment Agency before operating.

This introductory note also confirms the updated LCP numbers in accordance with the most recent DEFRA LCP reference numbers.

The installation comprises:

- Two CCGT modules having a combined total thermal input of 1600MW and capable of a total maximum production output of around 860MW of electricity. Each module consists of one natural gas fired gas turbine and a steam turbine which are both connected via a single shaft to a hydrogen-cooled electricity generator;
- One natural gas fired auxiliary boiler with a thermal input of 15MW used infrequently for support for cold start-up of the CCGT's;
- One natural gas fired open cycle gas turbine (OCGT) of 230MW thermal input used for grid support;
- One diesel driven emergency electricity generator with a thermal input of 3MW used infrequently for power station start-up when disconnected from the electricity grid;
- One diesel driven firewater pump with a thermal input of 3MW; and
- Two gas fired heaters for warming the gas supply at the Gas Reception Facility (GRF) each with a thermal input of 1MW.

Details of the release points of combustion gases from the combustion activity are tabled below.

Table of combustion gas release points		
Combustion process	Number of stacks	Stack Height (metres)
Combined cycle gas turbines	One stack (windshield) containing three flues	60
Open cycle gas turbine		
Auxiliary boiler	One	40
Diesel electricity generator	One	Local exhaust
GRF heaters	Two	Local exhaust
Diesel fire pump	One	Local exhaust

The LCP reference is changed as follows:

- LCP 406 is changed to LCP 351;
- LCP 407 is changed to LCP 352; and
- LCP 408 is changed to LCP 353.

The schedules specify the changes made to the original 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/RP3238KG/A001	Duly made 05/01/11	
Additional information received	30/03/11	Review of CHP opportunities
Additional information received	06/04/11	OCGT BAT assessment
Additional information received	12/04/11	Revised air quality modelling assessment
Additional information received	17/05/11	Further revised air quality modelling assessment
Additional information received	21/07/11	Revised site plan
Permit determined	26/07/11	
Variation determined EPR/RP3238KG/V002 (PAS Billing ref:MP3132RR)	15/12/15	Agency initiated variation to include pre-operational condition PO11 requiring the operator to provide evidence that the facility will operate in accordance with Chapter III of the Industrial Emissions Directive. Varied permit issued.

End of introductory note.

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number

EPR/RP3238KG

Issued to

Thorpe Marsh Power Limited (“the operator”)

whose registered office is

**Carlton House
4 Ellerbeck Way
Stokesley Business Park
Stokesley
Middlesbrough
Cleveland
TS9 5JZ**

company registration number **06637894**

to operate a regulated facility at

**Thorpe Marsh Power Station
Near Barnby Dun
Doncaster
DN3 1ET**

to the extent set out in the schedules.

The notice shall take effect from 01/01/2016.

Name	Date
J Linton	15/12/2015

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

None.

Schedule 3 – conditions to be added

The following condition is added following an Environment Agency initiated variation

Pre-operational condition PO11 is added to Table S1.4

Table S1.4 Pre-operational measures	
Reference	Pre-operational measure
PO11	Operations shall not commence on the installation, until the operator has submitted a report in writing to the Environment Agency for approval, demonstrating compliance with Chapter III of the Industrial Emissions Directive, and has obtained written approval from the Environment Agency.