

Notice of variation with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Magnox Limited

Wylfa Power Station
Cemaes Bay
Anglesey
LL67 0DH

Variation application number
EPR/QP3035LY/V003

Permit number
EPR/QP3035LY

Wylfa Power Station

Permit number EPR/QP3035LY

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 changes the operation of Auxiliary Boiler 4 from standby plant; used to provide steam for carbon dioxide vaporisers and domestic systems, to duty plant; providing steam for domestic supplies following cessation of generation when nuclear reactor derived steam becomes permanently unavailable. There will be a 100 day reactor cool down period followed by a defueling period of approximately three years duration following cessation of generation. During this time it is important to maintain reactor pressure vessel and other safety critical plant temperatures including heating and hot water for staff welfare purposes. As such, Best Available Technique (BAT) assessments have concluded that Auxiliary Boiler 4 should be used as duty plant to provide steam for domestic supplies.

Auxiliary Boiler 4 is located in its own building and is of a Wellman Robey type, producing 5000kg/h of steam at 10.3 barg (approximately 3 MW thermal input).

The emissions release rates for the boiler will be below those used in the emissions modelling completed for the original permit application. Consequently the change in use of Auxiliary Boiler 4 will not have a detrimental impact on the environment impact assessed in the original permit application.

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 received (EPR/QP3035LY)	Duly made 22/02/2006	
Additional information received	20/11/2006	
Additional information received	03/04/2007	
Permit determined (EPR/QP3035LY)	05/04/2007	
Variation application (EPR/QP3035LY/V002)	Duly made 17/10/2013	Application to replace annual mass emission limits with concentration based emission limits for Auxiliary Boiler 4. Operation of a temporary boiler.
Variation determined EPR/QP3035LY/V002	18/12/2013	Varied permit issued.
Variation application (EPR/QP3035LY/V003)	Duly Made 06/08/2015	Application to change Auxiliary Boiler 4 from standby plant to duty plant to provide steam for domestic systems.
Variation determined (EPR/QP3035LY/V003)	21/10/2015	Varied permit issued.

End of introductory note

Notice of variation

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

Permit number

EPR/QP3035LY

issued to:

Magnox Limited ("the operator")

whose registered office is

Berkeley Centre

Berkeley

Gloucestershire

GL13 9PB

company registration number **02264251**

to operate a regulated facility at

Wylfa Power Station


Cemaes Bay

Anglesey

LL67 0DH

to the extent set out in the schedules.

The notice shall take effect from 21/10/2015

Name Eirian Macdonald	Date
	21st October 2015

Authorised on behalf of Natural Resources Wales

Schedule 1 – conditions to be deleted

None

Schedule 2 – conditions to be amended

The following conditions are amended as a result of the application made by the operator:

Table S1.1 shall be amended to:

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
S1.1 A1 (a) – Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more	Five gas turbines Four auxiliary boilers Three diesel generators Tertiary feed diesels, Back-up feed systems, standby generators and emergency diesel fire-water pump engine.	From receipt and transfer of oil and other raw materials, including relevant secondary containment, to discharge of combustion products to air, liquid effluent to site drainage system and solid waste disposal.
	Temporary boiler (emission point at NGR SH 35147 94112)	The temporary boiler shall not be operated at the same time as Auxiliary Boiler 4.
	All units fired by gas oil.	The temporary boiler shall be available for use in the event of the need to maintain conditions for safety critical plant.
		Auxiliary Boiler 4 operating as duty plant to provide steam and hot water for domestic systems following cessation of generation.

Table S1.2 shall be amended to:

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The responses to questions B2.1 and B2.2, given in Appendix A in the Application.	22 February 2006
Variation application EPR/QP3035LY/V002	Document entitled “Combustion Plant Permit QP3035LY Variation Justification” describing the new operating regime for Auxiliary Boiler 4 and associated burner modifications to meet BAT.	9 October 2013

Variation application EPR/QP3035LY/V002	Email from Magnox Ltd confirming specification and operating regime for the temporary boiler.	7 November 2013
Variation application EPR/QP3035LY/V003	Document entitled 'Combustion Plant Permit QP3035LY Variation Justification' describing new operating regime for Auxiliary Boiler 4 and the effect such a change will have upon the environment.	14 July 2015

Schedule 3 – conditions to be added

None