

Variation notice with introductory note

Environmental Permitting (England & Wales) Regulations 2010

Connah's Quay Power Station

E.ON UK PLC
Kelsterton Road
Connah's Quay
Deeside
Flintshire
CH5 4BP

Variation notice number
EPR/MP3337SH/V004

Permit number
EPR/MP3337SH

Connah's Quay Power Station

Permit number EPR/MP3337SH

Introductory note

This introductory note does not form a part of the permit

The following notice, which is issued pursuant to regulation 20 and Part 1 of Schedule 5 of the Environmental Permitting (England and Wales) Regulations 2010 S.I.2010 No. 675 (the Regulations), gives notice of the variation of an environmental permit to operate a regulated facility.

This variation to the EPR permit allows for the removal of the wet section louvers from all hybrid cooling towers to improve cooling efficiency. A four percent increase in air flow through the bottom wet section with louvers removed has been calculated to show a 0.5°C reduction in cooling water pond temperature, this equates to an annual saving of 3,400t less CO₂ being produced, 1,700kcm³ reduction in natural gas usage and reduced levels of visible plume generation.

Schedule 1 of this notice lists any deleted conditions, Schedule 2 lists any amended conditions, Schedule 3 lists any conditions that have been added and Schedule 4 shows any changes to the plan.

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

Status Log of the permit		
Detail	Date	Response Date
Application MP3337SH	Duly made 17/03/06	
Additional Information Received (Schedule 4 response)		26/10/06
Supplementary Information	20/11/06	20/11/06
Supplementary Information (email)	12/01/07	12/01/07
Permit determined	09/02/07	
Variation Application (EA/EPR/MP3337SH/V002)	Received 20/5/08 Duly Made 05/06/08	
Standard Variation further information request	EPR Schedule 5 Variation Further Information request dated 14/09/08	01/09/08
Standard Variation EA/EPR/MP3337SH/V002	29/09/08	
Variation EPR/MP3337SH/V003	18/03/09	
Application for variation EPR/MP3337SH/V004	Duly made 09/11/10	
Variation EPR/MP3337SH/V004 issued	07/12/10	

End of Introductory Note

Environmental Permitting
(England and Wales) Regulations 2010

Permit number

EPR/MP3337SH

The Environment Agency in exercise of its powers under Regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 (SI 2010 No 675) varies the permit as set out below.

E.ON UK PLC ("the operator"),

whose registered office is

Westwood Way

Westwood Business Park

Coventry

CV4 8LG

company registration number 02366970

holds a permit to operate *a regulated facility* at

Connah's Quay Power Station

Kelsterton Road

Connah's Quay

Deeside

Flintshire

CH5 4BP

and that permit is varied to the extent set out in Schedules 1 to 4 of this notice.

The notice shall take effect from 07th December 2010

Name	Date
A. J. Nixon	07 December 2010

Authorised on behalf of the Environment Agency

Schedule 1 – conditions to be deleted

None.

Schedule 2 – conditions to be amended

The following conditions are amended as follows

1. Table S1.2 as referenced in condition 2.3.1 is amended as follows

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	Sections 2.1 & 2.2 of the application as well as other sections of the application	06/03/06 (Received) 17/03/06 (Duly Made)
Response to Schedule 4 Notice Request issued on 29/09/06	Response to question 5, 6, 7, 8, 9, 10, 14, 15, 16, 29, detailing process control, 30 detailing emissions limits.	26/10/06
Supplementary Information	Email from Bill Smith at E.ON – Connah's Quay Power Station dated 12.01.07	12/01/07
Supplementary Information	Letter dated 20 th November 2006 regarding two-shifting	22/11/06
Standard Variation Application (EA/EPR/MP3337SH/V003)	Variation application Duly Made 05/06/08	20/05/08
Standard Variation further information request	EPR Schedule 5 Variation Further Information request dated 14/09/08	01/09/08
Variation Application EPR/MP3337SH/V004	Response to questions in Application Form EPC – Part C	09/11/10

Schedule 3 – conditions to be added

The following conditions are added to the permit:

1. Improvement programme requirements IC18 and IC19 are added to Table S1.3 (as referenced in condition 2.5.1) as follows

Table S1.3 Improvement programme requirements

Reference	Requirement	Date
IC18	<p>Submit a written procedure to the Environment Agency for approval.</p> <p>The procedure must contain appropriate measures to minimise or prevent excessive plume generation from the cooling towers.</p> <p>The notification requirements of condition 2.5.2 will be deemed to have been complied with on submission of the procedure.</p> <p>You must implement the procedure as approved, and from the date stipulated by the Environment Agency.</p>	18/01/11
IC19	<p>Submit a written report to the Environment Agency for approval.</p> <p>The report must contain a detailed review and comparison of tower performance and plume generation before and after wet louver removal.</p> <p>If unacceptable levels of plume generation are identified post removal, appropriate remedial actions will be agreed with the Environment Agency which may include re-installation of the removed louvers.</p> <p>The notification requirements of condition 2.5.2 will be deemed to have been complied with on submission of the plan.</p>	17/01/12

Schedule 4 – amended plan

None.