

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Uniper UK Limited
Kingsnorth Power Station
Hoo
PO Box 15
Rochester
Kent
ME3 9LD

Variation application number

EPR/HP3430RV/V002

Permit number

EPR/HP3430RV

Kingsnorth Power Station

Permit number EPR/HP3430RV

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/HP3430RV 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 condition 2.1.2 into Environmental Permit EPR/HP3430RV to ensure that the site can only operate in accordance with Chapter III of the Industrial Emissions Directive. The Operator, Uniper UK Limited, 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.

The installation comprises combustion units that burn coal, oil and biomass to produce high pressure steam that is used to drive generators which produce electricity for the National Grid System.

There are four main boilers, each having a capacity of 1350 MW thermal input, which can each burn coal or oil, either singly or in combination, to generate steam which in turn drives electricity generators. Each of the boilers has 5 coal mills, which feed the pulverised coal burners on each of the boilers. The boilers have already all been retrofitted with low NOx burners. Products of combustion from the main boiler are released to atmosphere via individual flues within the main 198 metre chimney on the site. These releases comprise Windshield 1 for purposes of compliance of the Large Combustion Plant Directive.

The site also has two 18 MW thermal input gas oil fuelled auxiliary boilers to provide steam for the site which discharge into ducts 2 and 3 within the main chimney. These auxiliary boilers also provide Steam for fuel oil heating, domestic heating and off load soot blowing. There are also two 100 MW thermal input oil fired open cycle gas turbines, which are used for black start on the site which discharge through individual chimneys. The air releases from the black start gas turbines are released via two 83.5 metre chimneys, which comprise separate windshields for the purposes of the Large Combustion Plant Directive.

All of the main boilers have centrifugal mechanical dust collectors followed by electrostatic precipitators, which are capable of an indicative efficiency of 99.5%. The flue gases are also conditioned by sulphur trioxide injection to improve the particulate capture performance, with the sulphur trioxide made from sulphur which is stored in tanks on the site. Final dispersion of the flue gases from the main and auxiliary boilers is achieved through the main windshield, and the monitoring of these releases to air is carried out in accordance with the Large Combustion Plant Directive.

This introductory note also makes note of the change in LCP references as follows:

- LCP 163 is changed to LCP 112 (LCP2);
- LCP 164 is changed to LCP 113 (LCP3); and
- LCP 165 is changed to LCP 114 (PS).

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/CP3237SJ/A001	Duly made 20/03/06	
Additional information received	12/11/06	Additional information regarding fugitive release points, updating on improvements to bunding, and confirming the MSG and SOP for the site
Additional information received	06/03/07	Additional information providing details of the geo-environmental setting of the coal stockyard on the installation.
Permit determined EPR/CP3237SJ	06/03/07	Original permit issued to E.ON UK PLC.
Variation determined EPR/CP3237SJ/V002 (Pas Ref: SP3438XB)	23/01/08	Environment Agency Variation amending the particulate matter emission limit values to bring them into line with the windshield definition under the Large Combustion Plant Directive.
Variation determined EPR/CP3237SJ/V003	11/03/13	Environment Agency Variation to incorporate Eel Regulations Improvement Condition.
Variation application received EPR/CP3237SJ/V004	Duly made 08/01/14	Variation to amend schedule activity reference for lagoon ash treatment.
Variation determined EPR/CP3237SJ/V004	28/01/14	
Application EPR/HP3430RV/T001 (full transfer of permit EPR/CP3237SJ)	Duly made 27/07/15	Application to transfer the permit in full to Uniper UK Limited.
Transfer determined EPR/HP3430RV (Billing Ref: HP3430RV)	21/08/15	Full transfer of permit complete.
Variation determined EPR/HP3430RV/V002 (PAS Billing ref:BP3132RK)	14/12/2015	Agency initiated variation to include condition 2.1.2 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/HP3430RV

Issued to

Uniper UK Limited (“the operator”)

whose registered office is

**Westwood House
Westwood Way
Westwood Business Park
Coventry
CV4 8LG**

company registration number **02796628**

to operate a regulated facility at

**Kingsnorth Power Station
Hoo
PO Box 15
Rochester
Kent
ME3 9LD**

to the extent set out in the schedules.

The notice shall take effect from 01/01/2016

Name	Date
J Linton	14/12/2015

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

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- 2.1.2 No activities, listed in Section 1.1 A(1)(a) of the environmental permitting regulations, authorised by this permit shall take place unless 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.