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Wales

Notice of variation and consolidation with introductory note

Environmental Permitting (England & Wales) Regulations 2016

Siemens Energy Limited

Severn Power Station
West Nash Road
Newport
Gwent
NP18 2BZ

Variation application number

EPR/HP3737UE/V007

Permit number

EPR/HP3737UE

Severn Power Station

Permit number EPR/HP3737UE

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit. Schedule 1 of the notice specifies that all the conditions of the permit have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made.

We have reviewed the permit for this installation against the revised BAT Conclusions for the Large Combustion Plant (LCP) sector published on 17 August 2017. This variation incorporates the changes required by the Industrial Emissions Directive (IED) following a statutory review of permits in the LCP sector. These include the amendment of the wording of several permit conditions relating to notifications, changes to emission limits and monitoring requirements and also includes the addition of an improvement condition (IC11) relating to Black Start Operation. The interpretation section of the permit has also been updated and the opportunity has been taken to consolidate the original permit and subsequent variations.

We are satisfied that the operator will be compliant with the published BAT conclusions which will apply from 17 August 2021.

The rest of the installation is unchanged and continues to be operated as follows:

Severn Power Station is a gas-fired power station, with a total thermal input of 1,438MW. The plant consists of a Combined Cycle Gas Turbine (CCGT) (Siemens SGT5-4000F) consisting of two single shaft machines with a gas turbine and a steam generator on the same shaft line (LCP324: Unit 10, 721MWth and LCP325: Unit 20, 717MWth).

Hot gases from the gas turbines pass into heat recovery steam generators (HRSG) from which high pressure steam is extracted and passed into steam turbines which drive generators to produce electricity. A natural gas fired auxiliary boiler (11MWth) is used to produce steam when no HRSG is in operation.

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 HP3737UE	Duly made 26/03/09	
Additional Information Requested	27/10/09	
Additional Information Received	20/11/09	
Further Information Received	02/12/09	MSDS for acid and caustic solutions. SPL ref SEV-MISC-0087
Further Information Received	28/01/10	Water impact assessment. SPL ref SEV-MISC-0108
Further Information Received	10/03/10	H1 Spreadsheets
Further Information Received	22/03/10	Chemical cleaning operations ref SEV-MISC-0140

Status log of the permit		
Description	Date	Comments
Permit determined EPR/HP3737UE	09/04/10	
Variation application EPR/HP3737UE/V002	Duly made 26/05/11	
Variation determined EPR/HP3737UE/V002	11/07/11	
Variation application EPR/HP3737UE/V003	Duly made 20/07/11	
Variation determined EPR/HP3737UE/V003	20/09/11	
Variation application EPR/HP3737UE/V004	Duly made 22/07/14	Application to relocate release point to River Usk and clarify monitoring requirements
Additional information received	18/08/14	Revised effluent discharge procedure
Additional information requested	13/11/14	
Additional information received	14/11/14	Amended site plan showing route of relocated pipeline and discharge point into the River Usk
Variation determined EPR/HP3737UE/V004 Permit number: EPR/HP3737UE	04/12/14	Varied permit issued.
Regulation 60 Notice sent to the Operator	14/11/14	Issue of a Notice under Regulation 60(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit under IED to implement the special provisions for LCP under Chapter III, introducing new Emission Limit Values (ELVs) applicable to LCP, referred to in Article 30(2) and set out in Annex V. The permit is also updated to modern conditions.
Regulation 60 Notice response	18/03/15	Response received from the Operator.
Additional information received	01/07/15	Response to request for further information (RFI) dated 11/06/15.
Variation determined EPR/HP3737UE/V005	22/12/15	Varied and consolidated permit issued in modern condition format. Variation effective from 01/01/2016.
Regulation 61 Notice sent to the Operator	09/05/18	Issue of a Notice under Regulation 61(1) of the EPR. Natural Resources Wales initiated review and variation to vary the permit introduce new Emission Limit Values (ELVs) following the publication of the revised Best Available Techniques (BAT) Reference Document (BRef) for Large Combustion Plants (LCP).
Regulation 61 Notice response	08/11/18	Response received from the Operator.
Additional Information requested from the operator	05/06/19	Additional details relating to Best Available Techniques
Additional information received	30/08/19	Additional details relating to Best Available Techniques
Transfer Application EPR/HP3737UE/T006	Duly made 17/03/20	Application to transfer the permit in full from Siemens PLC to Siemens Energy Limited

Status log of the permit		
Description	Date	Comments
Transfer Application EPR/HP3737UE/T006	02/04/20	Transfer of permit complete
Variation determined EPR/HP3737UE/V007	30/06/20	Varied and consolidated permit issued in modern condition format to Siemens Energy Limited.

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Severn Power Limited	UK-W-IN-11928 (EU ETS permit)	7 December 2018

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

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 2016 varies and consolidates

Permit number

EPR/HP3737UE

Issued to

Siemens Energy Limited (“the operator”)

whose registered office is

Faraday House

Sir William Siemens Square

Frimley

Camberly

GU16 8QD

company registration number **00631825**

to operate a regulated facility at

Severn Power Station

West Nash Road

Newport

Gwent

NP18 2BZ

to the extent set out in the schedules.

The notice shall take effect from 01/07/2020.

Name	Date
Holly Noble	30/06/2020

Permitting Team Leader – Installations and RSR

Authorised on behalf of Natural Resources Wales

Schedule 1

All conditions have been varied by the consolidated permit as a result of a Natural Resources Wales initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.