

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

BWSC Generation Services UK Ltd
Sleaford Renewable Energy Plant
Boston Road
Sleaford
Lincolnshire
NG34 9GH

Variation application number

EPR/DP3030XH

Permit number

EPR/DP3030XH

Sleaford Renewable Energy Plant

Permit number EPR/BP3030XH

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 purpose of this variation is :

To remove the requirement for non-straw related fuels to be limited to under 22% of the total and to add new fuel sources for trial within the combustion unit, thereby giving the operator an increased range of renewable sources.

Fuel trials at the plant will take place under a Fuel Trial Protocol Plan ("TPP") which covers the testing of additional biomass fuels within the existing auxiliary fuel route. The purpose this variation is to introduce a wider range of alternative renewable fuel source to the combustion plant to explore the emissions profiles when using these alternative fuel sources.

Alternative biomass fuels which may be trialed under this TPP include chipped, pelleted or its natural form. include: Straw, Virgin Based Wood, Olive pellets/pomace, Miscanthus, Bamboo, Spelt husks, Sunflower Husks, Oat husks. All fuels shall be deemed to be a separate fuel trial for each product type, although due to

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
Permit application received. EPR/DP3030XH/A001	19/11/2007	Duly made
Schedule 4 Notice for further information issued 16/04/08	30/05/2008	Response received
Further information received	27/08/2008	
Permit determined. EPR/DP3030XH	21/11/2008	Original permit issued to Eco2 Lincs Limited.
Variation application EPR/DP3030XH/V002	02/08/2011	Duly made - To vary air emission limits for dust, CO, NO _x , SO ₂ and HCl.
Schedule 5 Notice for further information issued 13/09/11	26/09/2011	Response received to request for further information, regarding the ELV for short term CO and clarifying the installation address.
Variation determined. EPR/DP3030XH/V002	12/10/2011	Varied permit issued.
Variation application EPR/DP3030XH/V003	20/08/2013	Duly made - To vary the permit to include NO _x abatement system and associated infrastructure and update the permit to modern conditions to include the requirements of IED.
Variation determined.	07/11/2013	Variation and consolidation notice issued.

Status log of the permit		
Description	Date	Comments
EPR/DP3030XH/V003		
Variation application EPR/DP3030XH/V004	08/04/2015	Duly made.
Request for further information	21/04/2015	
Variation application returned. EPR/DP3030XH/V004	06/07/2015	Returned to operator. No variation numbered EPR/DP3030XH/V004 was issued.
Variation application EPR/DP3030XH/V005	22/10/2015	Duly made - To vary the permit to reflect a change to the company name from Eco2 Lincs Limited to GREP1 Limited.
Variation determined. EPR/DP3030XH/V005	09/11/2015	Variation notice issued in the name of GREP1 Limited.
Regulation 60 Notice sent to the Operator	17/12/2014	Issue of a Notice under Regulation 60(1) of the EPR. Environment Agency 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	31/03/2015	Date of response received from the Operator.
Request for further information sent 11/06/15	01/07/2015	Response to request for further information.
Variation determined. EPR/GP3145QR/T001	22/12/2015	Varied and consolidated permit issued. Variation effective from 01/01/16.
Regulation 61 Notice sent to the Operator	01/05/2018	Issue of a Notice under Regulation 61(1) of the EPR. Environment Agency initiated review and variation to vary the permit under IED to implement Chapter II following the publication of the revised BAT Reference Document for LCP.
Regulation 61 Notice response	26/10/2018	Response received from the Operator.
Request for further information sent 26/02/20	10/03/2020	Additional information received: BAT Conclusions 1, 3, 9 and 25. BAT Conclusions spreadsheet updated, supersedes 26/10/18 submission.
Further information received	09/04/2020	Sulphur in fuel analysis and fuel specification data.
	01/05/2020	
Further information received	18/05/2020	SO ₂ monitoring data and lime dosing.
Variation determined EPR/DP3030XH/V007 (Billing ref: UP3506BP)	02/06/2020	Varied and consolidated permit issued.
Application EPR/GP3145QR/T001 (Full transfer of permit ERP/DP3030XH)	Duly Made 29/03/2022	Application to transfer the permit in full from GREP1 Limited to BWSC Generation Services UK Limited
Transfer determined. ERP/DP3030XH	14/03/2023	Full transfer of permit complete

Status log of the permit		
Description	Date	Comments
Application For variation for an alternative biomass fuel source 8 (variation)	Duly made 10/10/2023	Variation application to increase the allowable annual tonnage of biomass burnt from 250,000 tonnes per annum to 270,000 tonnes per annum, to allow dedicated energy crops (Miscanthus and Short Rotational Coppice) to be included in the permit as raw materials, to remove the 22% limitation on the quantity of fuels combusted within the facility which are through the auxiliary fuel route, to include changes to processing to enable oversize materials and rejected bales to be fed by way of the auxiliary fuel route, to provide a process to allow Stage 1 and Stage 2 trials of combustion of additional biomass fuels to be undertaken within the facility and to approve an outline Trials Protocol Plan A,
Variation determined EPR/DP3030XH/V008 Billing reference: DP3030XH	29/02/2024	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies Permit number.

EPR/DP3030XH

Issued to **BWSC Generation Services UK Ltd** (“the operator”)

whose registered office is.

**3 The Point
Lions Way
Sleaford
Lincolnshire
NG34 8GG**

company registration number 08366245

to operate a regulated facility at

**Sleaford Renewable Energy Plant
Boston Road
Sleaford
Lincolnshire
NG34 9GH**

to the extent set out in the schedules.

The notice shall take effect from 29//02/2024.

Name	Date
Rebecca Warren	29/02/2024

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 a result of the application made by the operator.

OPERATING TECHNIQUES TABLE???

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application DP3030XH/	The response to section 2.1 and 2.2 in the Application.	19/11/07
Response to Schedule 4 Notice	Response to question 7 detailing pre-acceptance and acceptance procedures.	30/05/08
Additional information received	Item 1 on waste acceptance criteria.	27/08/08
Variation application EPR/DP3030XH/V002	Responses to Parts C2 and C3 of the application form.	02/08/11
Response to Schedule 5 Notice	Information received regarding the ELV for short term carbon monoxide and clarifying installation address.	26/09/11
Variation application EPR/DP3030XH/V003	Responses to Parts C2 and C3 of the application form and referenced supporting documentation: EP Variation Supporting Information, Sections 3, 4, 5 & 7, Appendices A & B.	28/05/13
Response to regulation 60(1) Notice – request for information dated 17/12/14	Compliance route Annex V, Part 1 – ELV for oxides of nitrogen, sulphur dioxide, carbon monoxide and dust and operating techniques identified in response to questions 2 (IED compliance route), 4 (configuration of each LCP), 5 (net rated thermal input), 6 (definition of minimum start-up load and minimum shut-down mode) and 9 (regarding proposed emission limit values).	Received 31/03/15
Receipt of additional information to the Regulation 60(1) Notice. requested by letter dated 11/06/15	Compliance route(s) and operating techniques identified in response to questions 1 (date of operational commencement of LCP), 5 (method by which the net rated thermal input figure was derived), 6 (details of how the minimum start-up load and minimum shutdown load was derived),	Received 01/07/15
Receipt of additional information to the regulation 60(1) Notice. requested by letter dated 11/06/15	Compliance route(s) and operating techniques identified in response to question 1 (Date of commercial operation of the plant).	07/07/15
Variation application for alternat fuel trials EPR/DP3030XH/V008 22/03/2022	The variation brings in the removal of the 22% limitation on non-straw fuel. In line with application document. EA 'Trial Protocol Plan' – A (Alternative Biomass Products)	20/02/2024
Application for Variation EPR/DP3030XH/V008	Variation application to increase the allowable annual tonnage of biomass burnt from 250,000 tonnes per annum to 270,000 tonnes per annum, to allow dedicated energy crops (Miscanthus and Short Rotational Coppice) to be included in the permit as raw materials, to remove the 22% limitation on the quantity of fuels combusted within the facility which are through the auxiliary fuel route, to include changes to	29/02/2024

	processing to enable oversize materials and rejected bales to be fed by way of the auxiliary fuel route, to provide a process to allow Stage 1 and Stage 2 trials of combustion of additional biomass fuels to be undertaken within the facility and to approve an outline Trials Protocol Plan A,	
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Table S2.1 The dedicated energy crop has been added to the table.

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Gas oil	Less than 0.1% w/w sulphur content
Dedicated energy crops (Miscanthus, Short Rotational Coppice or other as agreed in writing with the Environment Agency)	Any specification to be agreed in writing with the Environment Agency following the outcome of biomass combustion trials.

Table S2.2 Permitted Waste types and quantities for combustion as referenced by condition 2.3.7 is amended to remove 22% intake limit. The waste acceptance total tonnage has also been increased to allow for the lower calorific values.

Table S2.2 Permitted waste types and quantities for combustion	
Maximum quantity	270,000 tonnes of straw and other fuel type as specified in the Fuel trial protocol plan.
Waste code	Description
02	Wastes from agriculture, aquaculture, forestry, hunting and fishing, food preparation and processing
02 01	Wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing.
02 01 03	plant-tissue waste
02 01 07	wastes from forestry
03	Wastes from wood processing and the production of panels and furniture, pulp paper and cardboard
03 01	Wastes from wood processing and the production of panels and furniture
03 01 05	sawdust, shavings, cuttings, wood, particle board, and veneer other than those mentioned in 03 01 04
19	Wastes from waste management facilities, off-site wastewater treatment plants and the preparation of water intended for human consumption and water for industrial use
19 12	Wastes from the mechanical treatment of waste (for example, sorting, crushing, compacting, pelletising) not otherwise specified
19 12 07	clean wood, free from preservatives or coatings and which meet the requirements of the Industrial Emissions Directive Article 3 (31) 2010/75/EU

Schedule 3 – conditions to be added.

None