

# Notice of variation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2010

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SSE PLC

Snodland Paper Mill CHP  
Snodland Mill  
Mill Street  
Snodland  
Kent  
ME6 5AX

### **Variation application number**

EPR/BJ7506IM/V006

### **Permit number**

EPR/BJ7506IM

# Snodland Paper Mill CHP

## Permit number EPR/BJ7506IM

### 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 Permit, for the operation of large combustion plant (LCP), as defined by articles 28 and 29 of the Industrial Emissions Directive (IED), is varied by the Environment Agency to implement 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, introducing new Emission Limit Values (ELVs) applicable to LCP, referred to in Article 30(2) and set out in Annex V.

The Operator has chosen to operate this LCP under the Transitional National Plan (TNP) compliance route.

The net thermal input of the LCP is as follows:

LCP294 – one 140MWth Gas Turbine and Heat Recovery Steam Generator.

The variation notice uses an updated LCP number in accordance with the most recent DEFRA LCP reference numbers. The LCP references have changed as follows:

- LCP273 is changed to LCP294

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

The installation is situated on the western bank of the River Medway; it is tidal at this point. Snodland is immediately to the west of the installation on the other side of a railway and main road. The remaining adjacent areas are rural. Holborough to Burham Marshes and Peters Pit Sites of Special Scientific Interest are within 2 km and Peters Pit and components of the North Downs Woodlands candidate Special Areas of Conservation are within 10 km.

The facility is wholly enclosed within the installation boundary of the Snodland Paper Mill and comprises a combined heat and power plant made up of a gas turbine, a heat recovery steam generator (HRSG) with supplementary and auxiliary firing, a steam turbine, water treatment plant and ancillary plant and storage facilities together with standby boiler plant comprising 5 standby boilers. The gas turbine is normally gas-fired but can operate for limited periods on gas oil as standby fuel.

LCP294, the combined heat and power plant (CHP) can provide up to 18 megawatts of electricity and 115 megawatts (147 tonnes) of steam to the paper mill and up to 35 megawatts surplus electricity for export to the grid. The steam turbine provides up to 12 megawatts of electricity.

Releases to air are via a 55 metre stack, or a 20 metre bypass stack in abnormal conditions. Releases of the main pollutants, oxides of nitrogen and carbon monoxide, are continuously monitored.

Releases to water comprise boiler blowdown and water treatment effluent that are discharged to Mill Creek Dam. During flood conditions Mill Creek Dam may overflow into the River Medway. Cooling water is drawn from the River Medway and returned to either the River Medway or Mill Creek Dam depending on the water level in Mill Creek Dam and the salinity of the river water. These discharges are subsequently re-used within the paper mill as raw water feed.

There are four gas fired standby boilers each with a net rated thermal input of 23MWth, which can raise 23 tonnes of steam. Releases to air are via a 39.6 metre dual flue stack (boilers 8 and 12) and a 37 metre common stack (boilers 9 and 10).

The CHP operates an Environmental Management System in accordance to the requirements and principles of ISO14001. 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.

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Application BJ7506IM (EPR/BJ7506IM/A001)	Received 28/02/01	
Response to request for information	Request dated 23/07/01	Response dated August 2001
Permit BJ7506IM determined	22/01/03	
Variation KP3835SN determined (EPR/BJ7506IM/V002)	26/11/04	An Environment Agency initiated Variation to introduce monitoring and reporting requirements for large combustion plant required for compliance with the revised Large Combustion Plants Directive [Directive 2001/80/EC].
Variation notice GP3336LR determined (EPR/BJ7506IM/V003)	01/03/07	An Environment Agency initiated variation. Operators requested that permitted period for use of distillate oil was extended.
Environment Agency Paper and Pulp Sector Review 2011. Variation EPR/BJ7506IM/V004 determined	03/02/12	Varied and consolidated permit issued in modern condition format.
Application BP3335AB  EPR/BJ7506IM/V005	28 May 2015	Application to vary the permit to reference change in operating circumstances to provide heat and power to PM9  Not Determined on issues of EPR/BJ7506IM/V006
Regulation 60 Notice sent to the Operator	08/12/14	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.
Regulation 60 Notice response	30/03/15	Response received from the Operator.
Additional information received	18/09/15	Response to request for further information (RFI) dated 15/08/15.
Variation determined EPR/BJ7506IM/V006 (PAS Billing ref: AP3134AA)	29/12/15	Varied permit issued.
Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
Smurfit Kappa Limited	EPR/BJ7433IQ	22/01/03

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/BJ7506IM

### Issued to

**SSE PLC** (“the operator”)

whose registered office is

**Inveralmond House**

**200 Dunkeld Road**

**Perth**

**PH1 3AQ**

company registration number **SC117119**

to operate part of a regulated facility at

**Snodland Paper Mill CHP**

**Snodland Mill**

**Mill Street**

**Snodland**

**Kent**

**ME6 5AX**

to the extent set out in the schedules.

The notice shall take effect from 01/01/2016

Name	Date
<b>Neda Kayyali</b>	<b>29/12/15</b>

Authorised on behalf of the Environment Agency

## Schedule 1 – conditions to be deleted

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

2.3.3

2.3.6

2.3.7

2.3.9

2.3.10

Table S1.4 - condition 2.3.9 (deleted, see above) refers to Table S1.4

Condition 4.4.1 refers to the meaning of expressions (*Interpretation*); the following expressions shall be deleted:

“*start up*” means any period when the Gas Turbine has been non-operational, starting with the firing of the Gas Turbine and ending when the Gas Turbine is loaded to 32 MWe and Steam Injection has commenced.

“*shut down*” means any period where the Gas Turbine is being returned to a non-operational state, starting with taking the Steam Turbine out of Service.

## Schedule 2 – conditions to be amended

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

Condition 1.2.1 is amended to update the requirements on Energy Efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) take appropriate measures to ensure the efficiency of energy generation at the permitted installation is maximised;
- (c) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (d) take any further appropriate measures identified by a review.

Condition 2.1.1 refers to table S1.1, Activities, which shall be amended by the inclusion of new source descriptions for the LCP activity, and removal of Standby Fuel Storage activities:

<b>Table S1.1 activities</b>			
<b>Activity reference</b>	<b>Activity listed in Schedule 1 of the EP Regulations</b>	<b>Description of specified activity</b>	<b>Limits of specified activity</b>
A1	Section 1.1 A(1) (a): Burning any fuel in an appliance with a rated thermal input of 50 megawatts or more.	LCP294 Combined heat and power (CHP) production of steam and electricity by a gas turbine, HRSG, steam turbine, air cooled dump condenser, emergency diesel generator with a net rated thermal input of 140MW.	From receipt of natural gas to discharge of exhaust gases, and the generation of electricity and steam for use on the paper mill and export of electricity to the National Grid.
		LCP294 Operation of Gas Turbine in Open Cycle	500 hours per year
		Operation of 4 auxiliary standby boilers (each with a net rated thermal input of 23MWth)	Generation of Steam for use at the paper mill.
<b>Directly Associated Activity</b>			
A2	Surface water drainage	Discharge of site drainage via oil interception.	Drainage system until discharge to Mill Creek.
A3	Water treatment	Treatment of abstracted water from Mill Creek for use at the Installation.	Ion exchange softening and addition of boiler water chemicals.

Condition 2.3.1 refers to table S1.2, Operating Techniques, which shall be amended by adding technical standards in the Regulation 60 response:

<b>Table S1.2 Operating techniques</b>		
<b>Description</b>	<b>Parts</b>	<b>Date Received</b>
Application (EPR/BJ7506IM/A001)	The response to questions 2.3 given in Part B, 3 Activities and Abatement of the application.	28/02/01
Response to Schedule 4 Part 1 Notice	Response to question 2.	August 2001
Response to IC 9.4	The response to IC9.4 defining Start Up and Shut Down and limited operation of the HRSG Bypass Stack.	2 September 2004
Response to regulation 60(1) Notice – request for information dated 8/12/14	Compliance route and operating techniques identified in response to questions 2, 4, 5, 6, 9, 10, Additional Information and Appendix 2 – Transitional National Plan	Received 30/03/15
Receipt of additional information to the regulation 60(1) Notice. requested by letter dated	All	Received 18/09/15

Condition 2.4.1 refers to Table S1.3, Improvement programme, which shall include an additional condition IC1 for the thermal input and IC2 for submission of emissions data:

<b>Table S1.3 Improvement programme requirements</b>		
<b>Reference</b>	<b>Requirement</b>	<b>Date</b>
IC 1	<p>The operator shall provide a report in writing to the Environment Agency for acceptance which provides the net rated thermal input for LCP294. The net rated thermal input is the 'as built' value unless the plant has been modified significantly resulting in an improvement of the plant efficiency or output that increases the rated thermal input (which typically requires a performance test to demonstrate that guaranteed improvements have been realised).</p> <p>Evidence to support this figure, in order of preference, shall be in the form of:-</p> <ul style="list-style-type: none"> <li>a) Performance test results* during contractual guarantee testing or at commissioning (quoting the specified standards or test codes),</li> <li>b) Performance test results after a significant modification (quoting the specified standards or test codes),</li> <li>c) Manufacturer's contractual guarantee value,</li> <li>d) Published reference data, e.g., Gas Turbine World Performance Specifications (published annually);</li> <li>e) Design data, e.g., nameplate rating of a boiler or design documentation for a burner system;</li> <li>f) Operational efficiency data as verified and used for heat accountancy purposes,</li> <li>g) Data provided as part of Due Diligence during acquisition,</li> </ul> <p>*Performance test results shall be used if these are available.</p>	31/12/16
IC2	<p>For LCPD LCP273 (now LCP294 under IED). Annual emissions of dust, sulphur dioxide and oxides of nitrogen including energy usage for the year 01/01/2015 to 31/12/2015 shall be submitted to the Environment Agency using form AAE1 via the NERP Registry. If the LCPD LCP was a NERP plant the final quarter submissions shall be provided on the RTA 1 form to the NERP Registry.</p>	28/01/16

Conditions 3.1.1 and 3.1.3 refer to table S3.1, Point Source Emissions to Air, which shall be amended by specifying emission limits and monitoring requirements for operating LCP294 under the Transitional National Plan. The table interpretations are also removed and replaced with condition 3.6.7 (see below, conditions added) :

Table S3.1 Point source emissions to air						
Emission point ref. & location	Parameter	Source	Limit (including unit)- these limits do not apply during start up or shut down.	Reference period	Monitoring frequency	Monitoring standard or method
A1  [Point A1 on site plan ref. no. 14-00-V-00494/A]	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	LCP294 Gas turbine fired on natural gas	105 mg/m <sup>3</sup>	Monthly mean of validated hourly averages	Continuous	BS EN 14181
			105 mg/m <sup>3</sup>	95% of validated daily means within a calendar year	Continuous	BS EN 14181
			157 mg/m <sup>3</sup>	95% of validated hourly averages within a calendar year	Continuous	BS EN 14181
	Carbon Monoxide		100 mg/m <sup>3</sup>	Monthly mean of validated hourly averages	Continuous	BS EN 14181
	110 mg/m <sup>3</sup>		Daily mean of validated hourly averages	Continuous	BS EN 14181	
	200 mg/m <sup>3</sup>		95% of validated hourly averages within a calendar year	Continuous	BS EN 14181	



<b>Table S3.1 Point source emissions to air</b>						
<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (including unit)- these limits do not apply during start up or shut down.</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A1  [Point A1 on site plan ref. no. 14-00-V-00494/A]	Sulphur dioxide	LCP294 Gas turbine fired on natural gas	-	-	At least every 6 months	Concentration by calculation, as agreed in writing with the Environment Agency
	Dust		-	-	At least every 6 months	Concentration by calculation, as agreed in writing with the Environment Agency
	Stack gas volume flow	LCP294 Gas turbine fired on natural gas	-	-	-	BS EN 16911 & TGN M2
	Duct Survey	LCP294 Gas turbine fired on natural gas	-	-	Pre-operation and when there is a significant operational change	BS EN 15259

Table S3.1 Point source emissions to air						
Emission point ref. & location	Parameter	Source	Limit (including unit)- these limits do not apply during start up or shut down.	Reference period	Monitoring frequency	Monitoring standard or method
A2  [Point A2 on site plan ref. no. 14-00-V-00494/A]	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	LCP No. 294 (By Pass Stack) Gas turbine fired on natural gas	-	-	Concentration by calculation, every 4380 operational hours or 2 years, whichever is sooner.	Agreed in writing with the Environment Agency
	Sulphur dioxide		-	-	Concentration by calculation, every 4380 operational hours or 2 years, whichever is sooner.	Agreed in writing with the Environment Agency
	Carbon Monoxide		-	-	Concentration by calculation, every 4380 operational hours or 2 years, whichever is sooner.	Agreed in writing with the Environment Agency
	Duct Survey	LCP294 Gas turbine fired on natural gas	-	-	Pre-operation and when there is a significant operational change	BS EN 15259

<b>Emission point ref. &amp; location</b>	<b>Parameter</b>	<b>Source</b>	<b>Limit (including unit)- these limits do not apply during start up or shut down.</b>	<b>Reference period</b>	<b>Monitoring frequency</b>	<b>Monitoring standard or method</b>
A3 [Point A3 on site plan ref. no. 14-00-V-00494/A]	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	Standby Boilers 12 and 8 fired on Gas	350 mg/m <sup>3</sup>	Mean value over minimum 30 minute period, maximum 8 hrs	Annual spot measurement, during operational periods	BS EN 14792
	Carbon Monoxide		150 mg/m <sup>3</sup>	Mean value over minimum 30 minute period, maximum 8 hrs	Annual spot measurement, during operational periods	BS EN 15058
A4 [Point A4 on site plan ref. no. 14-00-V-00494/A]	Oxides of Nitrogen (NO and NO <sub>2</sub> expressed as NO <sub>2</sub> )	Standby Boilers 9 and 10 fired on Gas	350 mg/m <sup>3</sup>	Mean value over minimum 30 minute period, maximum 8 hrs	Annual spot measurement, during operational periods	BS EN 14792
	Carbon Monoxide		150 mg/m <sup>3</sup>	Mean value over minimum 30 minute period, maximum 8 hrs	Annual spot measurement, during operational periods	BS EN 15058
	Duct Survey	LCP294 Gas turbine fired on natural gas	-	-	Pre-operation and when there is a significant operational change	BS EN 15259

Condition 3.1.3 refers to [table S3.3, Annual Limits](#), which shall be amended by adding emissions to air covered by the Transitional National Plan:

<b>Substance</b>	<b>Medium</b>	<b>Limit (including unit)</b>		<b>Emission Points</b>
Dust, Sulphur dioxide and Oxides of nitrogen	Air	Assessment year 01/01/16 and subsequent years until 31/12/19	LCP TNP Limit Emission allowance figure shown in the TNP Register as at 30 April the following year	LCP294 (Emission Point A1, A2)
Mercury	Water	0.2kg		W4 & W6

Condition 3.6.1 and 3.6.2 are amended in accordance with the Industrial Emissions Directive

3.6.1 All monitoring required by this permit shall be carried out in accordance with the provisions of Annex V of the Industrial Emissions Directive.

3.6.2 If the monitoring results for more than 10 days a year are invalidated within the meaning set out in condition 3.6.7, the operator shall:

- (e) within 28 days of becoming aware of this fact, review the causes of the invalidations and submit to the Environment Agency for approval, proposals for measures to improve the reliability of the continuous measurement systems, including a timetable for the implementation of those measures; and
- (f) implement the approved proposals.

Condition 4.2.2 (d) is amended to cover reporting operation of the Gas Turbine in Open Cycle

4.2.2 (d) where condition 2.3.116 applies the hours of operation in any year.

Condition 4.2.3 refers to table S4.1, Reporting of Monitoring Data, which shall be amended in accordance with the IED

<b>Table S4.1 Reporting of monitoring data</b>			
<b>Parameter</b>	<b>Emission or monitoring point/reference</b>	<b>Reporting period</b>	<b>Period begins</b>
Oxides of nitrogen	A1, A2	Every 3 months for continuous monitoring	1 January, 1 April, 1 July, 1 October
	A3, A4	Every 12 months for periodic monitoring	1 January, 1 July
Carbon Monoxide	A1, A2,	Every 3 months for continuous monitoring	1 January, 1 April, 1 July, 1 October
	A3, A4	Every 12 months for periodic monitoring	1 January, 1 July
Sulphur dioxide	A1, A2	Every 3 months for concentration by calculation	1 January, 1 April, 1 July, 1 October
Dust	A1, A2	Every 3 months for concentration by calculation	1 January, 1 April, 1 July, 1 October
Emissions to Water Parameters as required by condition 3.5.1	W4, W5, W6, W9	Every 3 months	1 January, 1 April, 1 July, 1 October
Mass release of mercury	W4 & W6	Every 12 months	1 January

Condition 4.2.2 refers to table S4.3, Performance Parameters, which shall be amended in accordance with the IED

<b>Parameter</b>	<b>Frequency of assessment</b>	<b>Units</b>
Thermal Input Capacity for each LCP	Annually	MW
Annual Fuel Usage for each LCP	Annually	TJ
Total Emissions to Air of NO <sub>x</sub> for each LCP	Annually	t
Total Emissions to Air of SO <sub>2</sub> for each LCP	Annually	t
Total Emissions to Air of Dust for each LCP	Annually	t
Operating Hours for each LCP	Annually	hr
Steam Condensed	Monthly	t
Steam Vented	Monthly	t
Operating Modes	Monthly	%

Condition 4.2.3 refers to table S4.4, Reporting forms, which shall be amended in accordance with the IED

<b>Media/ parameter</b>	<b>Reporting format</b>	<b>Starting Point</b>	<b>Agency recipient</b>	<b>Date of form</b>
Air & Energy	Form IED AR1 – SO <sub>2</sub> , NO <sub>x</sub> and dust mass emission and energy	01/01/16	National	31/12/15
Air	Form IED RTA1 –TNP quarterly emissions summary log	01/01/16	National	31/12/15
LCP	Form IED HR1 – operating hours	01/01/16	National	31/12/15
Air	Form IED CON 2 – continuous monitoring	01/01/16	Area Office	31/12/15
CEMs	Form IED CEM – Invalidation Log Only for LCPs with CEMs	01/01/16	Area Office	31/12/15
Air	Form Air 2 – Discontinuous Monitoring from Standby Boilers	27/11/04	Area Office	03/02/12
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	01/01/16	Area Office	31/12/15
Water and Land	Form Water 1 or other form as agreed in writing by the Environment Agency	Permit issue	SI	03/02/12
Standby Boiler Plant Running	Form Standby 1	Permit issue	SI	03/02/12

Conditions 4.3.1 and 4.3.2 are amended in accordance with the IED:

In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
  - (i) inform the Environment Agency,
  - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
  - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
  - (i) inform the Environment Agency, and
  - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

Any information provided under condition 4.3.1 (a)(i), 4.3.1 (b)(i) where the information relates to the breach of a condition specified in the permit shall be confirmed by sending the information listed in schedule 6 to this permit within the time period specified in that schedule.

Condition 4.4.1 refers to the meaning of expressions (*Interpretation*); the following expressions are amended:

“large combustion plant” or “LCP” is a combustion plant or group of combustion plants discharging waste gases through a common windshield or stack, where the total thermal input is 50 MW or more, based on net calorific value. The calculation of thermal input, excludes individual combustion plants with a rated thermal input below 15MW.

## Schedule 3 – conditions to be added

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

Condition 2.3.11 shall be added to restrict operating the GT in open cycle mode.

2.3.11 For Activity A1 LCP294 referenced in schedule 1, table S1.1, operating in open cycle mode. The activities shall not operate for more than 500 hours per year.

Condition 2.3.12 Shall be added in accordance with the Industrial Emissions Directive.

2.3.12 For activity A1, LCP294, referenced in schedule 1, table S1.1, the end of the start up period and the start of the shutdown period shall conform to the specifications set out in Schedule 1, tables S1.2 and S1.5.

Condition 2.3.13 Shall be added.

2.3.13 For activity LCP294 referenced in Table S1.1; without prejudice to condition 2.3.1, the activity shall be operated in accordance with the “Electricity Supply Industry IED Compliance Protocol for Utility Boilers and Gas Turbines” revision 1 dated February 2015 or any later version unless otherwise agreed in writing by the Environment Agency.

Condition 3.1.5 shall be added in accordance with the Industrial Emissions Directive:

3.1.5 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

Condition 3.6.7 shall be added in accordance with the Industrial Emissions Directive.

3.6.7 Where Continuous Emission Monitors are installed to comply with the monitoring requirements in schedule 3, table S3.1; the Continuous Emission Monitors shall be used such that:

- (d) for the continuous measurement systems fitted to the LCP release points defined in Table S3.1 the validated hourly, monthly and daily averages shall be determined from the measured valid hourly average values after having subtracted the value of the 95% confidence interval;
- (e) the 95% confidence interval for nitrogen oxides and sulphur dioxide of a single measured result shall be taken to be 20%;
- (f) the 95% confidence interval for dust releases of a single measured result shall be taken to be 30%;
- (g) the 95% confidence interval for carbon monoxide releases of a single measured result shall be taken to be 10%;
- (h) an invalid hourly average means an hourly average period invalidated due to malfunction of, or maintenance work being carried out on, the continuous measurement system. However, to allow some discretion for zero and span gas checking, or cleaning (by flushing), an hourly average period will count as valid as long as data has been accumulated for at least two thirds of the period (40 minutes). Such discretionary periods are not to exceed more than 5 in any one 24-hour period unless agreed in writing. Where plant may be operating for less than the 24-hour period, such discretionary periods are not to exceed more than one quarter of the overall valid hourly average periods unless agreed in writing; and
- (i) any day, in which more than three hourly average values are invalid shall be invalidated.

Condition 2.3.12 refers to table S1.5 which is added in accordance with the IED:

<b>Table S1.5 Start-up and Shut-down thresholds</b>		
<b>Emission Point and Unit Reference</b>	<b>“Minimum Start-Up Load” Load in MW and as percent of rated power output (%)</b>	<b>“Minimum Shut-Down Load” Load in MW and as percent of rated power output (%)</b>
A1 LCP294	28 MWe; >60%	28 MWe; >60%

Condition 4.2.5 shall be added in accordance with the Industrial Emissions Directive

4.2.5 For the Activity referenced A1 in schedule 1, table S1.1: LCP294, unless otherwise agreed in writing with the Environment Agency, within 1 month of the end of each quarter, the operator shall submit to the Environment Agency using the form IED RTA1, listed in table S4.4, the information specified on the form relating to the site’s mass emissions.

Condition 4.4.1 refers to the meaning of expressions (*Interpretation*); the following expressions shall be added:

“Combustion Technical Guidance Note” means IPPC Sector Guidance Note Combustion Activities, version 2.03 dated 27th July 2005 published by Environment Agency.

“Energy efficiency” the annual net plant energy efficiency means the value calculated from the operational data collected over the year.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions.

“MSDL” means minimum shut-down load as defined in Implementing Decision 2012/249/EU.

“MSUL” means minimum start-up load as defined in Implementing Decision 2012/249/EU.

“TNP Register” means the register maintained by the Environment Agency in accordance with regulation 4 of the Large Combustion Plants (Transitional National Plan) Regulations 2015 SI2015 No.1973

End of Variation