

Surrender notice with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Keadby Generation Limited

Keadby Power Station
Trentside
Keadby
Scunthorpe
DN17 3EF

Surrender application number

EPR/YP3133LL/S007

Permit number

EPR/YP3133LL

Keadby Power Station

Permit number EPR/YP3133LL

Introductory note

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

The following notice gives notice of the surrender in part of an environmental permit.

This partial surrender removes an area of unused land currently in the installation boundary. The land to be surrendered is the area for construction of the Keadby II Power Station. The land has never been an operational area within the life of Keadby I Power Station. It is mainly a grassed area with some hardstanding and trees.

The surface water drainage system in the area will be sealed off from the rest of the site drainage. The point source emission to water W4 will be sealed and discharging will cease. Therefore W4 has been removed from Table S3.2 in the permit.

No changes to the scheduled activities have been made as a result of the partial surrender and no other changes to the site are proposed.

Any changes made as a result of the part surrender are set out in the schedules.

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/YP3133LL/A001	Duly made 03/04/2006	
Additional information received		13/10/2006, 27/10/2006
Permit determined EPR/YP3133LL	21/06/2007	
Variation determined EPR/YP3133LL/V002	21/01/2010	Variation to correct errors, incorporate benchmark emission limits and update improvement conditions table
Variation determined EPR/YP3133LL/V003	04/02/2010	Variation to correct errors, incorporate benchmark emission limits and update improvement conditions table
Variation determined EPR/YP3133LL/V004	11/03/2013	Environment Agency Initiated variation to incorporate Eel Regulations improvement condition
Variation determined EPR/YP3133LL/V005	Issued 29/09/2014	Environment Agency Initiated variation to add an improvement condition requiring a cost benefit appraisal to ensure compliance with the Eels Regulations. Effective 01/10/2014
Regulation 60 Notice sent to the Operator	31/10/2014	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

Status log of the permit		
Description	Date	Comments
Regulation 60 Notice response	23/03/2015	Response to Notice under Regulation 60(1) of the EPR received from the Operator
Additional information received	10/07/2015	Response to request for further information (RFI) dated 26/06/2015
Additional information received	05/11/2015	Response to request for further information (RFI) dated 05/11/2015 regarding water emission point and LCP204
Additional information received	19/11/2015	Response to request for further information (RFI) dated 18/11/2015 requesting revised plan of emission points
Additional information received	27/11/2015	Response to the request for information (RFI) regarding MSUL/MSDL dated 18/11/2015
Additional information received	21/12/2015	Confirmation of compliance route (TNP) for LCPs. Letter dated 18/12/2015
Variation determined EPR/YP3133LL/S007	24/12/2015	Varied and consolidated permit issued in modern condition format. Variation effective from 01/01/2016
Part surrender application EPR/YP3133LL/S007	Duly made 11/01/2019	Application to surrender an area of unused land from the installing boundary, and removal of surface water emission W4
Part surrender determined EPR/YP3133LL (PAS Billing Ref: UP3603PH)	10/05/2019	Part surrender complete

Other Part A installation permits relating to this installation		
Operator	Permit number	Date of issue
National Grid	BP3438LD	20/12/2006

End of introductory note

Notice of surrender

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 25 of the Environmental Permitting (England and Wales) Regulations 2016 accepts the surrender in part of

Permit number

EPR/YP3133LL

Issued to

Keadby Generation Limited (“the operator”)

whose registered office is

Keadby Power Station

Trentside

Keadby

Scunthorpe

DN17 3EF

company registration number 02729513

to operate a regulated facility at

Keadby Power Station

Trentside

Keadby

Scunthorpe

DN17 3EF

to the extent set out in the schedules.

This notice shall take effect from 10/05/2019

Name	Date
Emma Pemberton	10/05/2019

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 detailed, as a result of the application made by the operator.

Table S3.2 Point source emissions to water, as referred to in condition 3.1 is amended to remove Emission Point W4:

Table S3.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
W1 on site plan Fig.2.22-1B (emission to River Trent at grid reference (SE 83652 12223) [Point A1, point A2 and point A3 on site plan in schedule 7]	Daily maximum flow	<ul style="list-style-type: none"> - Cooling water - Water from water treatment plant (including regeneration effluent from W8 and filter water backwash effluent from W7) - surface drainage from lube oil unloading area via tilt plate separator and pump pit - roadways at South East area, via tilt plate separator and pump pit - chemical tanker offload area via interceptor sump - bulk chemical storage bunds via effluent neutralisation sumps boiler - blowdown effluent from W9 	15 m ³ /sec	Average of 24-hour period beginning 00:01hrs	Daily	MCERTS
W1 on site plan Fig.2.22-1B (emission to River Trent at grid reference (SE 83652 12223))	Oil or Grease	Locations as above	No visible emission	24-hour period beginning 00:01hrs	Daily	-

Table S3.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
	Total Daily Volume		985,670 m ³ (per day) not including surface water treatment	24-hour period beginning 00:01hrs	Continuous	MCERTS
	Discharge Temperature		To be agreed under IC3	Average over 24-hour period beginning 00:01hrs and maximum recorded	Continuous	Calibrated resistance thermometer device (RTD) UKAS approved
	Cooling water abstraction and discharge temperature differential		-	Average over 24-hour period beginning 00:01hrs and maximum recorded	Continuous	Calibrated resistance thermometer device (RTD) UKAS approved
	Mercury		-	-	-	[note 4]
	Cadmium		-	-	-	[note 5]
W2, W3, W5 (emissions to Red House Drain or Kelsey Drain)	Oil and grease	Drainage of surface waters from north-east power island, main transformer, amenity blocks, drainage of surface waters from fuel tank farm and Ealand Road area	No visible emission	Spot	Daily	-
W4	Removed from permit under partial surrender EPR/YP3133LL/S007					
W6	Oil and grease	Drainage water from cooling water pump house and oil handling area	No visible emission	Spot	Daily	-
W7 [note 6]	Total daily volume	Pressure filter and activated carbon backwash effluent	250 m ³	24 hour period beginning 00:01hrs	Continuous	MCERTS
	Daily maximum flow		10 l/sec		Daily	
W8 [note 6]	Total daily volume	Ion exchange effluent	620 m ³	24 hour period beginning 00:01hrs	Continuous	MCERTS

Table S3.2 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
	pH range		5 - 10	24 hour period beginning 00:01hrs	Continuous	BS6068-2.50
W9 [note 6]	Total daily volume	Boiler blowdown effluent	250 m ³ 800 m ³ (Note 7)	24 hour period beginning 00:01hrs	Continuous	MCERTS
<p>Note 4. The discharge of mercury from the processes shall be controlled by limiting the concentration of mercury or its compounds in the raw materials as: -</p> <p style="padding-left: 40px;">46% sodium hydroxide < 500 µg/kg</p> <p style="padding-left: 40px;">98% sulphuric acid < 1000 µg/kg</p> <p style="padding-left: 40px;">water treatment chemicals < 400 µg/kg</p> <p>Note 5. The discharge of cadmium from the processes shall be controlled by limiting the concentration of cadmium or its compounds in the raw materials as: -</p> <p style="padding-left: 40px;">46% sodium hydroxide < 500 µg/kg</p> <p style="padding-left: 40px;">98% sulphuric acid < 1000 µg/kg</p> <p style="padding-left: 40px;">water treatment chemicals < 400 µg/kg</p> <p>Note 6. Internal operating target to minimise releases to water. pH applies to discharges longer than 10 minutes in duration. Combined discharge to the River Trent via W1</p> <p>Note 7. Applies to days when the system is replenished following boiler or deaerators' shutdowns, or condenser tube leak.</p>						

Schedule 3 – conditions to be added

None.

Schedule 4 – amended plan

The area of the site is reduced to that shown in the attached amended plan.

Site Plan



