

**RELEASES TO AIR**

**QUARTERLY RETURN**

**CUMULATIVE ROLLING MALFUNCTION AND BREAKDOWN HOURS (12 MONTH PERIOD)<sup>(a)</sup>**

Operator: RWE Generation UK Form: IED BD1  
Location: Aberthaw Power Station Version/date: V.10.9 Dec 2015  
Permit/Variation Number: EPR/RP3133LD

Year: 2017 LCP: LCP 283	SO <sub>2</sub>		NO <sub>x</sub>		Dust	
Month <sup>(b)</sup>	Malfunction (hours)	Breakdown (hours)	Malfunction (hours)	Breakdown (hours)	Malfunction (hours)	Breakdown (hours)
Jan 2017	0	0	0	0	0	0
Feb 2017	0	0	0	0	0	0
Mar 2017	0	0	0	0	0	0
Apr 2017	0	0	0	0	0	0
May 2017	0	0	0	0	0	0
Jun 2017	0	0	0	0	0	0
Jul 2017	0	0	0	0	0	0
Aug 2017	0	0	0	0	0	0
Sep 2017	0	0	0	0	0	0
Month 10						
Month 11						
Month 12						
Annual cap (hours)	120	120	120	120	120	120

**NOTES:**

- (a) Cumulative rolling malfunction and breakdown hours (12 month period) updated monthly  
(b) Insert the relevant months for the preceding 12 month period, e.g., starting with March 2016  
(c) Gas turbines with CO abatement only (columns may be deleted)

Signed on behalf of the Operator by:

*H. Wally*

Date of return:

13 October 2017

# RELEASES TO AIR

## QUARTERLY RETURN

### MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS <sup>(a),(b),(c)</sup>

Operator: RWE Generation UK Form: IED CON1 (Utility boilers)  
 Location: Aberthaw Power Station Version/date: V.10.9 Dec 2015  
 Permit/Variation Number: EPR/RP3133LD

Year: 2017 LCP: LCP 283	SO <sub>2</sub> (mg/m <sup>3</sup> )		NO <sub>x</sub> (mg/m <sup>3</sup> )		Dust (mg/m <sup>3</sup> )		Monthly	
Month	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean <sup>(n)</sup>	Fuel S %	FGD Eff <sup>(d)</sup> %
January	82.46	210.56	572.91	660.99	7.72	16.71		
February	65.99	115.14	562.91	651.93	7.96	11.20		
March	121.42	348.19	515.61	658.28	8.98	17.68		
April	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
May	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
June	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
July	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
August	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
September	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A		
October								
November								
December								
Monthly ELV/Daily ELV <sup>(e)</sup>	350.00	#N/A	500.00	#N/A	20.00	#N/A		
Annual 95 <sup>th</sup> Percentile <sup>(f)</sup>	Annual Only	210.56	Annual Only	651.93	Annual Only	11.30		
Annual Percentile ELV <sup>(g)</sup>	#N/A	440.00	#N/A	605.00	#N/A	35.00		

#### NOTES:

- (a) All concentration data are based on validated hourly average concentrations excluding start-up and shut-down and periods of malfunction or breakdown of abatement equipment  
 (b) Annual percentiles of hourly average concentrations are submitted with the final return (Quarter 4)  
 (c) Reference conditions. Solid fuel: 6% O<sub>2</sub> (dry) Liquid fuel: 3% O<sub>2</sub> (dry) at 273.15K, 101.325 kPa  
 (d) Required for indigenous fuel derogation only - state target removal efficiency as the ELV (if applicable)  
 (e) Leave the Daily ELV blank if this is applied as a 95<sup>th</sup> percentile ELV within the Permit  
 (f) For each pollutant, report the Annual 95<sup>th</sup> percentile of hourly averages in the first column and, if applicable, Annual 95<sup>th</sup> percentile of daily means in the second column  
 (g) For each pollutant, report Annual 95<sup>th</sup> percentile ELV for hourly averages in the first column and, if applicable, Annual 95<sup>th</sup> percentile ELV for daily means in the second column

Signed on behalf of the Operator by:

*H. Way*

Date of return:

13 October 2017