

RELEASES TO AIR

QUARTERLY RETURN



CUMULATIVE ROLLING MALFUNCTION AND BREAKDOWN HOURS (12 MONTH PERIOD)^(a)

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

Year: 2019 LCP: LCP 283	SO ₂		NO _x		Dust	
Month ^(b)	Malfunction (hours)	Breakdown (hours)	Malfunction (hours)	Breakdown (hours)	Malfunction (hours)	Breakdown (hours)
Jan 2019	0	0	0	0	0	1
Feb 2019	0	0	0	0	0	1
Mar 2019	0	0	0	0	0	1
Month 4						
Month 5						
Month 6						
Month 7						
Month 8						
Month 9						
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:

R. Powell

Date of return:

15 April 2019

RELEASES TO AIR

QUARTERLY RETURN

MAXIMUM 48H MEAN AND ANNUAL PERCENTILE CONCENTRATIONS ^{(a),(b),(c)}

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: 2019			NO _x (mg/m ³)					
LCP: LCP 283								
Month				Max 48h Mean				
January				415.89				
February				383.99				
March				200.55				
April								
May								
June								
July								
August								
September								
October								
November								
December								
Monthly ELV/48h ELV ^(e)								
Annual 95 th Percentile ^(f)				383.99				
Annual Percentile ELV ^(g)				550.00				

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% O₂ (dry) Liquid fuel: 3% O₂ (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 48h ELV blank if this is applied as a 95th percentile ELV within the Permit
- (f) For each pollutant, report the Annual 95th percentile of hourly averages in the first column and, if applicable, Annual 95th percentile of 48h means in the second column
- (g) For each pollutant, report Annual 95th percentile ELV for hourly averages in the first column and, if applicable, Annual 95th percentile ELV for 48h means in the second column

Signed on behalf of the Operator by:

R. Powell

Date of return:

15 April 2019

RELEASES TO AIR

QUARTERLY RETURN

MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS ^{(a),(b),(c)}

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: 2019 LCP: LCP 283	SO ₂ (mg/m ³)		NO _x (mg/m ³)		Dust (mg/m ³)		Monthly	
Month	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean ^(f)	Fuel S %	FGD Eff ^(d) %
January	46.84	77.05	346.23	431.76	11.66	22.09		
February	53.76	148.58	358.02	406.65	10.92	21.24		
March	#N/A	22.77	#N/A	200.55	#N/A	16.35		
April								
May								
June								
July								
August								
September								
October								
November								
December								
Monthly ELV/Daily ELV ^(e)	350.00	#N/A	500.00	#N/A	20.00	#N/A		
Annual 95 th Percentile ^(f)	Annual Only	108.02	Annual Only	427.19	Annual Only	21.24		
Annual Percentile ELV ^(g)	#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% O₂ (dry) Liquid fuel: 3% O₂ (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 95th percentile ELV within the Permit
 (f) For each pollutant, report the Annual 95th percentile of hourly averages in the first column and, if applicable, Annual 95th percentile of daily means in the second column
 (g) For each pollutant, report Annual 95th percentile ELV for hourly averages in the first column and, if applicable, Annual 95th percentile ELV for daily means in the second column

Signed on behalf of the Operator by:

R. Powell

Date of return:

15 April 2019