

RELEASES TO AIR

QUARTERLY RETURN

MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS ^{(4,0), (4)}

Operator: RWE Generation UK Form: IED COM1 (Utility boilers)
 Location: Aberthaw Power Station Version/date: V.10.9
 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	
	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean ^(f)	Fuel S %	FGD Eff ^(g) %
January	46.84	77.05	346.23	431.76	11.68	22.09		
February	53.78	148.58	368.02	406.65	10.92	21.24		
March	#N/A	22.77	#N/A	200.55	#N/A	16.35		
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								
August								
September								
October								
November								
December								
Monthly ELV/Daily ELV ^(d)	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.T. Powell

Date of return:

03 July 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

Permit/Variation Number: EPR/RP3133LD

Insufficient Hourly Data For Calculation

Year: 2019		NO ₂ (mg/m ³)	
LCP: LCP 283			
Month		Max 48h Mean	
January		415.89	
February		383.99	
March		200.55	
April		#N/A	
May		#N/A	
June		#N/A	
July			
August			
September			
October			
November			
December			
Monthly ELV/48h ELV ^(d)			
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.T. Powell

Date of return:

03 July 2019

RELEASES TO AIR

QUARTERLY RETURN



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

Operator: RWE Generation UK Form: IED 3D1
 Location: Aberthaw Power Station
 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
Apr 2019	0	0	0	0	0	1
May 2019	0	0	0	0	0	1
Jun 2019	0	0	0	0	0	1
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.T. Powell

Date of return:

03 July 2019