

RELEASED 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

Permit/Variation Number: EPR/RP3133LD

Year: 2018 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 ^(b)	Fuel S %	FGD Eff ^(a) %
January	188.16	285.78	397.49	488.57	9.78	19.44		
February	147.14	275.92	445.95	482.44	14.90	17.55		
March	154.60	304.93	427.45	477.91	17.58	21.70		
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	108.99	87.77	385.72	417.24	19.71	21.86		
October	112.46	409.73	376.90	473.26	17.21	25.55		
November	60.93	99.17	369.21	428.24	17.80	20.35		
December	#N/A	125.04	#N/A	457.57	#N/A	13.15		
Monthly ELV/Daily ELV ^(a)	350.00	#N/A	500.00	#N/A	20.00	#N/A		
Annual 95 th Percentile ^(b)	345.87	299.78	498.98	479.11	28.78	21.99		
Annual Percentile ELV ^(a)	#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:

08 January 2019

RELEASES TO AIR

QUARTERLY RETURN

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

Operator: RWE Generation UK
 Location: Aberthaw Power Station
 Permit/Variation Number: EPR/RP3133LD

Form: IED COM1 (Utility boilers)

Year: 2018 LCP: LCP 283		NO _x (mg/m ³)			
Month			Max 48h Mean		
January			486.57		
February			474.99		
March			469.49		
April			#N/A		
May			#N/A		
June			#N/A		
July			#N/A		
August			#N/A		
September			405.66		
October			473.26		
November			428.24		
December			457.67		
Monthly ELV/48h ELV ^(d)					
Annual 95 th Percentile ^(e)			474.99		
Annual Percentile ELV ^(d)			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:

06 January 2019