

IED RTA1 FORM (DO NOT SUBMIT PDF DOCUMENTS)



**Environment
Agency**

Releases of IED Pollutants to Air

Operational Summary for the year:

2020 Select Reporting Year

Operator:

RWE Generation UK Plc

Select Operator

Site Location:

Aberthaw Power Station

Select Site Location

Permit Number:

EPR/RP3133LD

LCP Reference:

283

Note: beginning 1 January 2016, a return is required for each LCP within 28 days of the end of each quarter

| Air Emissions: | SO ₂ (tonnes) | NOx (tonnes) | Dust (tonnes) |
|---------------------|-----------------------------|-----------------|------------------|
| January | 0.00 | 0.00 | 0.00 |
| February | 0.00 | 0.00 | 0.00 |
| March | 0.00 | 0.00 | 0.00 |
| Total for Quarter 1 | 0.00 | 0.00 | 0.00 |
| April | 0.00 | 0.00 | 0.00 |
| May | 0.00 | 0.00 | 0.00 |
| June | 0.00 | 0.00 | 0.00 |
| Total for Quarter 2 | 0.00 | 0.00 | 0.00 |
| July | | | |
| August | | | |
| September | | | |
| Total for Quarter 3 | 0.00 | 0.00 | 0.00 |
| October | | | |
| November | | | |
| December | | | |
| Total for Quarter 4 | 0.00 | 0.00 | 0.00 |
| Annual Total | 0.00 | 0.00 | 0.00 |

I confirm that this data is not knowingly reported with any omissions, errors or misrepresentation. All measurement equipment used to generate the data has been appropriately calibrated and maintained regularly; this includes calibration against traceable international measurement standards where available. The data is supported by appropriate record keeping. It is designed, documented, tested, implemented, controlled and maintained to ensure reliable, accurate and timely processing of data; data handling and calculations have been appropriate; data has been checked for false and unusual measurements. The annual report of emissions for the above participating large combustion plant has been verified in accordance with the requirements of the Large Combustion Plants (Transitional National Plan) Regulations 2015.

Name of the operator staff responsible for the quality of data supplied to the Register in accordance with the principles above.

Neil Lebbem

Date: 9th July 2020

1. Data must be reported in tonnes to 3 decimal places

2. All forms must be saved in the format IED_RTAt_Quarter-Inventory_Year_LCP Reference i.e. IED_RTAt_Q1_20xx_LCPxxx

3. No PDF documents shall be accepted

4. Upload Forms held on GOV.UK will be accepted other variants of the forms will be automatically rejected which may impact statutory obligations to report on time.

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 Insufficient Hourly Data For Calculation

| Year: 2020 | | | NO _x (mg/m ³) | | | | |
|---|--|--|--------------------------------------|--|--|--|--|
| LCP: LCP 283 | | | | | | | |
| Month | | | Max 48h Mean | | | | |
| January | | | #N/A | | | | |
| February | | | #N/A | | | | |
| March | | | #N/A | | | | |
| April | | | #N/A | | | | |
| May | | | #N/A | | | | |
| June | | | #N/A | | | | |
| July | | | | | | | |
| August | | | | | | | |
| September | | | | | | | |
| October | | | | | | | |
| November | | | | | | | |
| December | | | | | | | |
| Monthly ELV/48h ELV ^(e) | | | | | | | |
| Annual 95 th Percentile ^(f) | | | #N/A | | | | |
| 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:

Date of return:

9th July 2020

NEIL WEBBERN

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: 2020 LCP: LCP 283 | SO ₂ (mg/m ³) | | NO ₂ (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 ^(g) % |
| January | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | | |
| February | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | | |
| March | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | | |
| 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 ^(e) | Annual Only | #N/A | Annual Only | #N/A | Annual Only | #N/A | | |
| 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:

Date of return:

NEIL UEBORN
9th July 2020

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: 2020 LCP: LCP 283 | SO ₂ | | NO _x | | Dust | |
|----------------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|
| Month ^(b) | Malfunction (hours) | Breakdown (hours) | Malfunction (hours) | Breakdown (hours) | Malfunction (hours) | Breakdown (hours) |
| Jan 2020 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feb 2020 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mar 2020 | 0 | 0 | 0 | 0 | 0 | 0 |
| Month 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Month 5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Month 6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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:

Date of return:

NEIL WEBSTER
9th July 2020