

- 7 JAN 2015

**Quarterly AQMP Ambient Monitoring Data
and Compliance Assessment Summary
Aberthaw – 01/07/2014 to 30/09/2014**

	AQS compliance value	Font-y-Gary
SO₂ STATISTICS		
Period Mean ($\mu\text{g m}^{-3}$)		4.4
99.18%ile daily value ($\mu\text{g m}^{-3}$)	125	17
99.73%ile hourly value ($\mu\text{g m}^{-3}$)	350	33
99.90%ile 15-min value ($\mu\text{g m}^{-3}$)	266	42
Number of Readings Greater than:		
AQS Daily Threshold	$\leq 3 \text{ pa } > 125 \mu\text{g m}^{-3}$	0
AQS Hourly Threshold	$\leq 24 \text{ pa } > 350 \mu\text{g m}^{-3}$	0
AQS 15-minute Threshold	$\leq 35 \text{ pa } > 266 \mu\text{g m}^{-3}$	0
NO₂ STATISTICS		
Period Mean ($\mu\text{g m}^{-3}$)	40	9.4
99.80%ile Hourly Value ($\mu\text{g m}^{-3}$)	200	41
Number of Readings Greater than:		
AQS hourly Threshold	$\leq 18 \text{ pa } > 200 \mu\text{g m}^{-3}$	0
PERIOD DATA COVERAGE:		
SO ₂ 15-min		97.8
SO ₂ 1-hour		99.4
NO ₂ 1-hour		99.4

Concentrations are given in $\mu\text{g m}^{-3}$ at 20°C and 1013 mb. To convert to ppb ($\text{v}/10^9\text{v}$), divide the listed SO₂ concentrations by 2.66 and the NO₂ concentrations by 1.91.

Copies of the full hourly data sets from sites operated by RWE npower have been provided to the Environment Agency in electronic format and can be obtained from the Public Register.

N.B. Data are provisional and may be subject to revision once full quality assurance procedures have been completed.

Current Compliance Status, Risk Management Framework Category and Implications for Annual Compliance

Maximum number of exceedances to date		Risk Management Framework category	Maximum number of modelled exceedances for remainder of the year	Implications for annual compliance
Measured	Modelled			
0	0	Green	0	None

Notes: The maximum number of exceedances listed in the appropriate columns may correspond to different locations and, therefore, the retrospective and future values are not directly additive.

Measured and future modelled exceedances are based on a $266 \mu\text{g m}^{-3}$ (100 ppb) threshold but, in accordance with the procedures agreed with The Environment Agency, modelled retrospective exceedances include a 50% uncertainty margin and a threshold of $400 \mu\text{g m}^{-3}$ (150 ppb) has been used.