

Date: 28th January 2015
Our ref. EA/UPC/001
Name Uskmouth Power Company
Phone 01633 292734
Fax 01633 292701



Mr. Antony Leakey
Natural Resources Wales.
Rivers House,
St. Mellons Business Park,
St. Mellons,
Cardiff.
CF3 0RY

Monthly Reporting- PPC authorisation No. LP3131SW

Dear Mr. Leakey,

Please find enclosed the following monthly reports for 01/12/2014-31/12/2014

ESI/01 – Fuel use & release data
ESI/02 – SO₂ & NO_x & dust release data
ESI/03- Releases to air monthly mean concentration
W1- Release to water
Also;
ESI/04 – Annual Energy Input and Total Emissions

I trust this is satisfactory to your requirements, if you would like further clarification on the enclosed information please do not hesitate to contact me.

Please confirm receipt by "E" mail.

Yours sincerely



Michael James
UPC Environmental Officer
E-mail Michael.james@uskmouthpower.com

RELEASES TO AIR

MONTHLY FUEL USE AND TOTAL RELEASE DATA^(a)

OPERATOR: Uskmouth Power Company FORM: ESI/01

LOCATION: Newport

PERMIT/VARIATION NUM LP3131SW

Operating Details	LCP1 ^(b)
Year : 2014 Month: December	
Coal (tonnes)	0.00
Coal Sulphur content (%)	0.00
Biomass (tonnes)	0.00
Biomass Sulphur content (%)	0.00
Gas Oil (tonnes)	0.00
Gas Oil Sulphur content (%)	0.00

Sulphur dioxide (tonnes)	0.00
Nitrogen oxides (tonnes)	0.00
Dust (tonnes)	0.00

Notes:

(a) Including start-up & shut-down

(b) LCP = Large Combustion Plant

Signed on behalf of the Operator by:  -----

Date of return: 28/01/2015

RELEASES TO AIR

MONTHLY SO₂, NO_x AND DUST RELEASE DATA^(a)

OPERATOR: Uskmouth Power Company

FORM: ESI/02

LOCATION: Newport

PERMIT/VARIATION NUMBER: LP3131SW

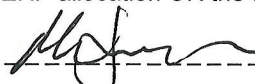
Year 2014	SO ₂ Emissions		NO _x Emissions		Dust Emissions	
Reporting Period	Actual (tonnes)	Cumulative Year to date (tonnes)	Actual (tonnes)	Cumulative Year to date (tonnes)	Actual (tonnes)	Cumulative Year to date (tonnes)
01 (Jan)	165.59	165.59	192.13	192.13	8.76	8.76
02 (Feb)	127.49	293.08	164.66	356.79	3.72	12.48
03 (Mar)	180.04	473.12	198.38	555.17	2.02	14.50
04 (Apr)						
05 (May)						
06 (Jun)						
07 (Jul)						
08 (Aug)						
09 (Sep)						
10 (Oct)						
11 (Nov)						
12 (Dec)						
Current Allocation		3267.00		4610.00		

NOTES:

(a) Excluding start-up and shut-down

(b) Current Allocation refers to the yearly Process B limit/NERP allocation OR the target t/GWh (generated),

Signed on behalf of the Operator by:

-----

Date of return:

28/01/2015

RELEASES TO AIR

MONTHLY MEAN CONCENTRATIONS AND ANNUAL PERCENTILES^(a)

OPERATOR: Uskmouth Power Company FORM: ESI/03

LOCATION: Newport

PERMIT/VARIATION NUMBER: LP3131SW

Year	LCP1			
	Mean (mg/m ³) ^(b)			Desulphurisation ^(c) Efficiency
Month	SO ₂ ^(c)	NO _x ^(c)	Dust	%
January	317.88	370.89	6.08	
February	291.23	388.87	7.33	
March	328.28	356.05	3.34	
April				
May				
June				
July				
August				
September				
October				
November				
December				
Monthly Emission Limit Value	400	500	25	
48 hour means	97 th	95 th	97 th	
Annual Percentile ^(c)	349.51	445.92	15.82	
Annual Emission Limit Value ^(c)	NA	NA	NA	
Annual Desulphurisation Efficiency (%) ^(c)				

NOTES:

(a) Annual percentiles are submitted with the final return

(b) Reference conditions for mg/m³ are 6% O₂ solid fuels, 3% O₂ for oil and gas, dry, 0°C, 101.325 kPa

(c) Required for Opted-in (ELV) plant only

Signed on behalf of the Operator by: 

Date of return: 28/10/2015

RELEASES TO CONTROLLED WATER

Reporting of emissions to Water (other than sewer) for the period from: 01/12/2014 to 31/12/2014

OPERATOR: Uskmouth Power Company FORM: W1

LOCATION: Newport

PERMIT/VARIATION NUMBER: LP3131SW

Emission Point	Substance/Parameter	ELAV (6)	Result (1)	Test Method (2)	Sample date and time(3)	Accreditation/ Certification(4)	Uncertainty (5)
W1a	Total Suspended Solids	75 mg/l	7.7	BS EN 872:2005	31/12/2014 (09:20)	UKAS 0568	19.70%
W1a	pH	6 - 9	8.09	BS 6068-2:50:1995	11/12/2014 (14:00)	"	5.60%
W1a	Cadmium	0.01 mg/l		ISO, BS EN or SCA Blue book method		"	6.60%
W1a	Mercury	0.005 mg/l		ISO, BS EN or SCA Blue book method		"	7.70%
W1b	Total Suspended Solids	75 mg/l	6.6	BS EN 872:2005	22/12/2014 (10:10)	"	19.70%
W1b	pH	6 - 9	8.23	BS 6068-2:50:1995	11/12/2014 (14:10)	"	5.60%
W1b	Cadmium	0.01 mg/l		ISO, BS EN or SCA Blue book method		"	6.60%
W1b	Mercury	0.005 mg/l		ISO, BS EN or SCA Blue book method		"	7.70%
W2	Total Suspended Solids	150 mg/l		BS EN 872:2005		"	19.70%
W2	pH	6 - 9		ISO, BS EN or SCA Blue book method		"	5.60%
W2	Temperature	30°C		ISO, BS EN or SCA Blue book method		"	+/- 1°C
W2	Biological Oxygen	100 mg/l		BS EN 1899-1		"	20.10%
W2	Zinc	2 mg/l		BS EN 6068-2:29:1987		"	6.30%
W2	Copper	0.8 mg/l		BS EN 6068-2:29:1987		"	8.00%
W2	Nickel	0.4 mg/l		BS EN 6068-2:29:1987		"	7.10%
W2	Lead	0.8 mg/l		BS EN 6068-2:29:1987		"	7.00%
W2	Chromium	0.8 mg/l		BS EN 1233:1997		"	7.60%
W2	Flow	210 litres/second max		ISO, BS EN or SCA Blue book method			0.50%
W2	Flow	19872 m3/day		ISO, BS EN or SCA Blue book method			0.50%
W2	Cadmium	0.01 mg/l		ISO, BS EN or SCA Blue book method		UKAS 0568	6.60%
W2	Mercury	0.005 mg/l		ISO, BS EN or SCA Blue book method		"	7.70%

(1) The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the minimum - maximum measured values.

(2) Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. colorimetry.

(3) For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements, or flow/time proportional samples, the percentage of the process operating time covered by the monitoring is given.

(4) The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

(5) The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

(6) The emission limit values for all substances is expressed as a maximum individual value

Signed  (authorised to sign as representative of the Operator)

Date: 28/01/2015

RELEASES TO AIR

ANNUAL ENERGY INPUT AND TOTAL EMISSIONS ^(a)

Operator: Uskmouth Power Company

Form: ESI/04

Location: Newport

Permit/Variation Number: LP3131SW

Year 2014		Energy use (GJ)			
Fuel	Net CV (GJ/tonne)	LCP1	Aux gas turbines ^(b)	Aux boilers ^(b)	Total
Coal	23.59	3273335.02	0.00	0.00	3273335.02
Biomass	0.00		0.00	0.00	0.00
Petcoke/other solid	0.00		0.00	0.00	0.00
Heavy Fuel Oil	0.00		0.00	0.00	0.00
Light Fuel Oil	0.00		0.00	0.00	0.00
Gas Oil	42.97	73729.42	0.00	0.00	73729.42
Natural gas	0.00		0.00	0.00	0.00
Total	(GJ)	3347064.45	0.00	0.00	3347064.45
Electricity production ^(c)	(GWh)				274.552

		Emission (tonnes)			
Release		LCP1	Aux gas turbines ^(b)	Aux boilers ^(b)	Total
Sulphur dioxide (tonnes)		477.86	0.00	0.00	477.86
Nitrogen oxides (tonnes)		565.80	0.00	0.00	565.80
Dust (tonnes)		14.75	0.00	0.00	14.75

NOTES:

(a) Including start-up and shut-down

(b) Auxiliary combustion data should be included in the LCP if the auxiliaries share a common windshield with the LCP

(c) Electricity production sent out (exported)

Signed on behalf of the Operator

Date of return:


28/1/2015