

RELEASES TO AIR

QUARTERLY RETURN

MONTHLY MEAN, MAXIMUM DAILY MEAN AND ANNUAL PERCENTILE CONCENTRATIONS^(a,b,c)

OPERATOR: Uskmouth Power Company

FORM: IED CON1

LOCATION: Newport

PERMIT/VARIATION NUMBER: LP3131SW/V002

Year:	2015	SO ₂ (mg/m ³)		NO _x (mg/m ³)		Dust (mg/m ³)	
LCP:	312						
Month		Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean	Monthly Mean	Max Daily Mean ^(f)
January							
February							
March		342.11	468.11	455.45	513.56	1.89	4.21
April		291.85	341.24	413.33	578.07	1.75	2.66
May		274.66	319.08	371.35	501.09	2.58	3.96
June		323.19	376.50	302.24	490.80	2.80	4.60
July		309.46	343.17	281.10	355.60	4.58	17.41
August		204.16	290.72	255.29	297.02	1.34	1.39
September		311.02	351.45	297.81	414.14	3.28	7.20
October		262.42	328.22	348.26	442.09	2.46	7.93
November		288.30	365.78	338.73	460.19	2.33	17.93
December		355.69	909.48	373.33	538.30	3.29	7.54
Monthly ELV/Daily ELV ^(e)							
Annual 95th Percentile ^(f)							
Annual Percentile ELV ^(g)							

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 concentration are submitted with the final return(quarter 4)

(c) Reference conditions :Solid fuel: 6% O₂ (Dry)Liquid fuels: 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 daily ELV blank if this is applied as a 95th percentile ELV within the permit

(f) For each pollutant, report 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: 26/04/2016

RELEASES TO AIR

QUARTERLY RETURN

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

OPERATOR: Uskmouth Power Company FORM: IED BD1

LOCATION: Newport

PERMIT/VARIATION NUMBER: LP3131SW/V002

Year: LCP:	2015 312	SO ₂		Nox		Dust	
		Malfun- ction (hours)	Breakdown (hours)	Malfun- ction (hours)	Breakdown (hours)	Malfun- ction (hours)	Breakdown (hours)
Month ^(b)							
Month 1							
Month 2							
Month 3			13.00				
Month 4							
Month 5							
Month 6							
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 hours malfunction and breakdown hours (12 month Period) updated monthly

(b) Insert the relevant months for the prededing 12 month period, E.G., starting with March 2016

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

Date of return: 26/04/2016

RELEASES TO AIR

ANNUAL RETURN

OPERATING HOURS

OPERATOR: Uskmouth Power Company

FORM IED HR1

LOCATION: Newport

V10.9 Dec 2015

PERMIT/VARIATION NUMBER: LP3131SW/V002

Year : 2015	LCP1 (hours)	Bypass (hours)
Annual Operating Hours(a)(b)	2444	0
Cumulative Operating Hours(c)(d)		
Derogated annual Hours(e)		
Five Year rolling average (f)		

Notes:

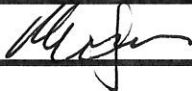
- a) Annual operating hours for every LCP from 1-Jan in calendar year. (For gas turbines with by-pass stack include by-pass stack operating hours during normal operation even though these are reported separately)
- b) For gas turbines with by-pass stack, report by-pass operating hours from 1-Jan in calendar year, excluding Start-up and shut-down, in adjacent column(labelled Bypass) which may be deleted if not applicable.
- c) cumulative operating hours from 1-Jan 2016 for LCP subject to limited lifetime derogation or a 10,000h monitoring derogation. (for gas turbine with bypass stack include the bypass stack operating hours during normal operation even though these are reported separately).
- d) For Gas turbine with a bypass stack, report bypass cumulative operating hours from 1st Jan 2016 if subject to a separate 10,000h monitoring derogation, in the adjacent column (labelled Bypass)
- e) Annual operating hours in calendar year from entry date (in first year as applicable) or from 1st Jan in calendar year, for each 1,500h ELV derogated Unit/LCP only.
- f) Five years running average from entry date for each 1,500h derogated Unit/LCP only.
- g) General note: hours are reported as a decimal number to 2 decimal places.

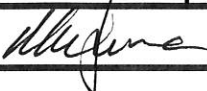
Signed on behalf of the Operator by:

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Date of return:

26/04/2016

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	0 (Q1 2016)		
TNP Species: NO _x or SO ₂ or Dust	SO_x	ELV¹: (mg/m ³)	440	LCP: (TNP ref.)	LCP312		
Process Operator:				Permit No:	LPSW3131		
Address: SIMEC Uskmouth Power, West Nash Road, Newport. NP18 2BZ				TNP Contact:	Mr Michael James		
				Tel No:	01633 292734		
				Email:	michael.james@simec.com		
EN 15259 (Representative Sampling)							
EN 15259: (PASS/FAIL)	Pass		Test Date(s):		1-3/2/16		
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)							
QAL1 (Instrument Suitability)							
Make/Model: OPSIS AB AR600				MCERTS: (Y/N)			
Manufacturer: OPSIS				Sample In-situ (cross-duct) Type ² :			
QAL2 (Calibration)³							
LCP unit within windshield or Instrument number:	-	Unit 13 10	Unit 13 20	Unit 14 10	Unit 14 20	Unit 15 10	Unit 15 20
QAL2 Factors: b (gradient) ⁴	-	1.092	1.282	3.02	0.664	0.995	0.894
a (offset)	mg/m ³	-6.873	1.288	1.004	0.44	-1.37	2.65
Test date	-	03/02/16	03/02/16	06/08/13	06/08/13	06/08/13	06/08/13
Date applied ⁵	-						
Variability ⁶	mg/m ³	44.184	44.154	44.18	44.18	44.01	44.06
VCR from test data ^{7a}	mg/m ³	0.260.97	0-279.63	0-804.9	0.82.1	0-283	0-757.4
VCR extended (if applicable) ^{7b}	mg/m ³						
Second QAL2 (Calibration) (if applicable)							
QAL2 Factors: b (gradient) ⁴	-						
a (offset)	mg/m ³						
Test date	-						
Date applied ⁵	-						
Variability ⁶	mg/m ³						
VCR from test data ^{7a}	mg/m ³						
VCR extended (if applicable) ^{7b}	mg/m ³						
AST (Annual Surveillance Test)							
LCP units within windshield:	-	Unit 13 10	Unit 13 20	Unit 14 10	Unit 14 20	Unit 15 10	Unit 15 20
Test date	-						
Variability ⁶	mg/m ³						
Validity (Mean Deviation) ⁶	mg/m ³						
VCR extended (if applicable) ^{7c}	mg/m ³						
QAL3 (Ongoing Drift Checks)							
Frequency ⁸ :	Every						
Alarm (Action) Limit:	mg/m ³						
Warning Limit:	mg/m ³						
Signature: 						Date: 26/4/16	

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	0 (Q1 2016)		
TNP Species: NO _x or SO ₂ or Dust	Nox	ELV¹: (mg/m ³)	550	LCP: (TNP ref.)	LCP312		
Process Operator:				Permit No:	LPSW3131		
Address: SIMEC Uskmouth Power, West Nash Road, Newport. NP18 2BZ				TNP Contact:	Mr Michael James		
				Tel No:	01633 292734		
				Email:	michael.james@simec.com		
EN 15259 (Representative Sampling)							
EN 15259: (PASS/FAIL)		Pass		Test Date(s):		1-3/2/16	
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)							
QAL1 (Instrument Suitability)							
Make/Model: OPSIS AB AR600				MCERTS: (Y/N)			
Manufacturer: OPSIS				Sample In-situ (cross-duct) Type ² :			
QAL2 (Calibration)³							
LCP unit within windshield or Instrument number:	-	Unit 13 10	Unit 13 20	Unit 14 10	Unit 14 20	Unit 15 10	Unit 15 20
QAL2 Factors: b (gradient) ⁴	-	1.555	1.651	1.117	1.054	1.147	1.15
a (offset)	mg/m ³	-6.491	-2.072	1.98	-3.9	-7.05	-2.67
Test date	-	03/02/16	03/02/16	06/08/13	06/08/13	06/08/13	06/08/13
Date applied ⁵	-						
Variability ⁶	mg/m ³	55.229	55.229	55.27	55.23	55.08	55.02
VCR from test data ^{7a}	mg/m ³	0-473.72	0-556.06	0-386.1	0-347.1	0-370.8	0-419.8
VCR extended (if applicable) ^{7b}	mg/m ³						
Second QAL2 (Calibration) (if applicable)							
QAL2 Factors: b (gradient) ⁴	-						
a (offset)	mg/m ³						
Test date	-						
Date applied ⁵	-						
Variability ⁶	mg/m ³						
VCR from test data ^{7a}	mg/m ³						
VCR extended (if applicable) ^{7b}	mg/m ³						
AST (Annual Surveillance Test)							
LCP units within windshield:	-	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Test date	-						
Variability ⁶	mg/m ³						
Validity (Mean Deviation) ⁶	mg/m ³						
VCR extended (if applicable) ^{7c}	mg/m ³						
QAL3 (Ongoing Drift Checks)							
Frequency ⁸ :	Every						
Alarm (Action) Limit:	mg/m ³						
Warning Limit:	mg/m ³						
Signature: 						Date: 26/4/16	

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	0 (Q1 2016)		
TNP Species: NO _x or SO ₂ or Dust	PM	ELV¹: (mg/m ³)	35	LCP: (TNP ref.)	LCP312		
Process Operator:				Permit No:	LPSW3131		
Address: SIMEC Uskmouth Power, West Nash Road, Newport. NP18 2BZ				TNP Contact:	Mr Michael James		
				Tel No:	01633 292734		
				Email:	michael.james@simec.com		
EN 15259 (Representative Sampling)							
EN 15259: (PASS/FAIL)	Pass		Test Date(s):		1-3/2/16		
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)							
QAL1 (Instrument Suitability)							
Make/Model: DURAG DR800				MCERTS: (Y/N)			
Manufacturer: DURAG				Sample Type ² : In-situ (Probe)			
QAL2 (Calibration)³							
LCP unit within windshield or Instrument number:	-	Unit 13 10	Unit 13 20	Unit 14 10	Unit 14 20	Unit 15 10	Unit 15 20
QAL2 Factors: b (gradient) ⁴	-	1.786	No cal	1.368	1.416	1.217	1.578
a (offset)	mg/m ³	6.11	No cal	0.00	0.00	0.00	0.00
Test date	-	03/02/16	03/02/16	06/08/13	06/08/13	06/08/13	06/08/13
Date applied ⁵	-						
Variability ⁶	mg/m ³	5.252	No cal	8.23	8.24	8.23	8.22
VCR from test data ^{7a}	mg/m ³	0-66.67	No cal	0-14.16	0-12.63	0-22.71	0-3.92
VCR extended (if applicable) ^{7b}	mg/m ³						
Second QAL2 (Calibration) (if applicable)							
QAL2 Factors: b (gradient) ⁴	-						
a (offset)	mg/m ³						
Test date	-						
Date applied ⁵	-						
Variability ⁶	mg/m ³						
VCR from test data ^{7a}	mg/m ³						
VCR extended (if applicable) ^{7b}	mg/m ³						
AST (Annual Surveillance Test)							
LCP units within windshield:	-	Unit 13 10	Unit 13 20	Unit 14 10	Unit 14 20	Unit 15 10	Unit 15 20
Test date	-						
Variability ⁶	mg/m ³						
Validity (Mean Deviation) ⁶	mg/m ³						
VCR extended (if applicable) ^{7c}	mg/m ³						
QAL3 (Ongoing Drift Checks)							
Frequency ⁸ :	Every						
Alarm (Action) Limit:	mg/m ³						
Warning Limit:	mg/m ³						
Signature: 						Date: 26/4/16	