

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	1 (2016)		
STACK FLOW		ELV¹: (m ³ /s)	576	LCP: (TNP ref.)	283		
Process Operator: RWE Generation UK plc			Permit No:	RP3133LD			
Address: Aberthaw Power Station, The Leys, Aberthaw, Near Barry, Vale of Glamorgan, CF62 4ZW			TNP Contact:	Richard Powell			
			Tel No:	01446 752239			
			Email:	richard.powell@rwe.com			
EN 15259 (Representative Sampling)⁹							
EN 15259: (PASS/FAIL)		Test Date(s):					
Non-Compliances: (Including stratification factors if applied in addition to QAL2 factors)		N/A, type 2 calibration, pre-investigation has not been performed					
QAL1 (Instrument Suitability)							
Make/Model: n/a				MCERTS: (Y/N)	n/a		
Manufacturer: n/a				Sample Type ² :	n/a		
QAL2 (Calibration)³							
LCP unit within windshield or Instrument number:	-	Unit 7	Unit 8	Unit 9			
QAL2 Factors: b (gradient) ⁴	-	0.98					
a (offset)	m ³ /s	0.00					
Test date	-	01/03/2017					
Date applied ⁵	-	n/a					
Variability ⁶	m ³ /s	5.17					
VCR from test data ^{7a}	m ³ /s	576.46					
VCR extended (if applicable) ^{7b}	m ³ /s	n/a					
Second QAL2 (Calibration) (if applicable)							
QAL2 Factors: b (gradient) ⁴	-						
a (offset)	m ³ /s						
Test date	-						
Date applied ⁵	-						
Variability ⁶	m ³ /s						
VCR from test data ^{7a}	m ³ /s						
VCR extended (if applicable) ^{7b}	m ³ /s						
AST (Annual Surveillance Test)							
LCP units within windshield:	-	Unit 7	Unit 8	Unit 9	Unit 7	Unit 8	Unit 9
Test date	-						
Variability ⁶	m ³ /s						
Validity (Mean Deviation) ⁶	m ³ /s						
VCR extended (if applicable) ^{7c}	m ³ /s						
QAL3 (Ongoing Drift Checks)							
Frequency ⁸ :	Every						
Alarm (Action) Limit:	m ³ /s						
Warning Limit:	m ³ /s						
Signature: <i>R.T. Powell</i>						Date: 26/01/2018	

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	2 (2017)
Peripheral Species: O ₂ or H ₂ O (if applicable)	H2O	ELV¹: (%)	6	LCP: (TNP ref.)	283
Process Operator: RWE Generation UK plc			Permit No:	RP3133LD	
Address: Aberthaw Power Station, The Leys, Aberthaw, Near Barry, Vale of Glamorgan, CF62 4ZW			TNP Contact:	Richard Powell	
			Tel No:	01446 752239	
			Email:	richard.powell@rwe.com	
EN 15259 (Representative Sampling)					
EN 15259: (PASS/FAIL)		Test Date(s):			
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)					
QAL1 (Instrument Suitability)					
Make/Model: Pulsi 200 Series			MCERTS: Yes (Y/N)	MC990 006/07	
Manufacturer: Procal			Sample Type ² :	In situ	
QAL2 (Calibration)³					
LCP unit within windshield or Instrument number:	-	Unit 7	Unit 8	Unit 9	
QAL2 Factors: b (gradient) ⁴	-	n/a	n/a	n/a	
a (offset)	%	n/a	n/a	n/a	
Test date	-				
Date applied ⁵	-	n/a	n/a	n/a	
Variability ⁶	%				
VCR from test data ^{7a}	%				
VCR extended (if applicable) ^{7b}	%				
Second QAL2 (Calibration) (if applicable)					
QAL2 Factors: b (gradient) ⁴	-				
a (offset)	%				
Test date	-				
Date applied ⁵	-				
Variability ⁶	%				
VCR from test data ^{7a}	%				
VCR extended (if applicable) ^{7b}	%				
AST (Annual Surveillance Test)					
LCP units within windshield:	-	Unit 7	Unit 8	Unit 9	Unit 7
Test date	-				
Variability ⁶	%				
Validity (Mean Deviation) ⁶	%				
VCR extended (if applicable) ^{7c}	%				
QAL3 (Ongoing Drift Checks)					
Frequency ⁸ :	Every				
Alarm (Action) Limit:	%				
Warning Limit:	%				
Signature: <i>R.T. Powell</i>				Date: 26/01/2018	

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	2 (2017)		
Peripheral Species: O ₂ or H ₂ O (if applicable)	O2	ELV¹: (%)	6	LCP: (TNP ref.)	283		
Process Operator: RWE Generation UK plc			Permit No:	RP3133LD			
Address: Aberthaw Power Station, The Leys, Aberthaw, Near Barry, Vale of Glamorgan, CF62 4ZW			TNP Contact:	Richard Powell			
			Tel No:	01446 752239			
			Email:	richard.powell@rwe.com			
EN 15259 (Representative Sampling)							
EN 15259: (PASS/FAIL)		Test Date(s):					
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)							
QAL1 (Instrument Suitability)							
Make/Model: ZFG2			MCERTS: Yes (Y/N)	MC 990001/ 03			
Manufacturer: ABB			Sample Type ² :	In situ			
QAL2 (Calibration)³							
LCP unit within windshield or Instrument number:	-	Unit 7	Unit 8	Unit 9			
QAL2 Factors: b (gradient) ⁴	-	1	1	1			
a (offset)	%	0	0	0			
Test date	-						
Date applied ⁵	-	n/a	n/a	n/a			
Variability ⁶	%						
VCR from test data ^{7a}	%						
VCR extended (if applicable) ^{7b}	%						
Second QAL2 (Calibration) (if applicable)							
QAL2 Factors: b (gradient) ⁴	-						
a (offset)	%						
Test date	-						
Date applied ⁵	-						
Variability ⁶	%						
VCR from test data ^{7a}	%						
VCR extended (if applicable) ^{7b}	%						
AST (Annual Surveillance Test)							
LCP units within windshield:	-	Unit 7	Unit 8	Unit 9	Unit 7	Unit 8	Unit 9
Test date	-						
Variability ⁶	%						
Validity (Mean Deviation) ⁶	%						
VCR extended (if applicable) ^{7c}	%						
QAL3 (Ongoing Drift Checks)							
Frequency ⁸ :	Every						
Alarm (Action) Limit:	%						
Warning Limit:	%						
Signature: <i>R.T. Powell</i>					Date: 26/01/2018		

Transitional National Plan Annual Verification Report (v1.0)					TNP YEAR		2 (2017)	
TNP Species: NO _x or SO ₂ or Dust		Dust	ELV¹: (mg/m ³)	35	LCP: (TNP ref.)		283	
Process Operator: RWE Generation UK plc				Permit No:		EPR/RP3133LD		
Address: Aberthaw Power Station, The Leys, Aberthaw, Near Barry, Vale of Glamorgan, CF62 4ZW				TNP Contact:		Richard Powell		
				Tel No:		01446 752239		
				Email:		richard.powell@rwe.com		
EN 15259 (Representative Sampling)								
EN 15259: (PASS/FAIL)		PASS		Test Date(s):		2nd June 2010		
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)								
QAL1 (Instrument Suitability)								
Make/Model: OMD41						MCERTS: Yes		MC040
						(Y/N)		042/01
Manufacturer: Erwin Sick (Dust Hunter)						Sample		Cross Duct
						Type ² :		forward scatter
QAL2 (Calibration)³								
LCP unit within windshield or Instrument number:	-	Unit 7	Unit 8	Unit 9				
QAL2 Factors: b (gradient) ⁴	-	1.433	1.208	2.201				
a (offset)	mg/m ³	0.6	-0.303	-1.613				
Test date	-	01/03/2009	01/03/2013	18/10/2016				
Date applied ⁵	-	26/03/2010	14/02/2014	03/02/2017				
Variability ⁶	mg/m ³	1.54	0.83	3.4				
VCR from test data ^{7a}	mg/m ³	31.5	25.8	60.6				
VCR extended (if applicable) ^{7b}	mg/m ³	55	55	84.1				
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 7	Unit 8	Unit 9	Unit 7	Unit 8	Unit 9	
Test date	-	07/03/2016	26/10/2016					
Variability ⁶	mg/m ³	1.71	35.35					
Validity (Mean Deviation) ⁶	mg/m ³	5.36	5.36					
VCR extended (if applicable) ^{7c}	mg/m ³	n/a	n/a					
QAL3 (Ongoing Drift Checks)								
Frequency ⁸ :	Every	Daily Zero	Daily Zero	Daily Zero	Weekly Span	Weekly Span	Weekly Span	
Alarm (Action) Limit:	%	1.4	1.4	1.4	1.4	1.4	1.4	
Warning Limit:	%	1.1	1.1	1.1	1.1	1.1	1.1	
Signature: R.T. Powell						Date: 26/01/2018		

Transitional National Plan Annual Verification Report (v1.0)				TNP YEAR	2 (2017)		
TNP Species: NO _x or SO ₂ or Dust	NO _x	ELV ¹ : (mg/m ³)	1080	LCP: (TNP ref.)	283		
Process Operator: RWE Generation UK plc			Permit No:	RP3133LD			
Address: Aberthaw Power Station, The Leys, Aberthaw, Near Barry, Vale of Glamorgan, CF62 4ZW			TNP Contact:	Richard Powell			
			Tel No:	01446 752239			
			Email:	richard.powell@rwe.com			
EN 15259 (Representative Sampling)							
EN 15259: (PASS/FAIL)	PASS		Test Date(s): 2nd June 2010				
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)							
QAL1 (Instrument Suitability)							
Make/Model: Pulsi 200 Series				MCERTS: Yes (Y/N)	MC990 006/07		
Manufacturer: Procal				Sample Type ² :	In-Situ IR		
QAL2 (Calibration)³							
LCP unit within windshield or Instrument number:	-	Unit 7	Unit 8	Unit 9			
QAL2 Factors: b (gradient) ⁴	-	1.06	0.94	1.03			
a (offset)	mg/m ³	-2.02	2.835	-0.69			
Test date	-	21/10/2016	26/10/2016	01/03/2016			
Date applied ⁵	-	01/02/2017	01/02/2017	13/09/2016			
Variability ⁶	mg/m ³	8.93	5.97	12.93			
VCR from test data ^{7a}	mg/m ³	875	869	527			
VCR extended (if applicable) ^{7b}	mg/m ³	1822	1869	1684			
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						
U7 AST U8 QAL2 (Annual Surveillance Test)							
LCP units within windshield:	-	Unit 7	Unit 8	Unit 9	Unit 7	Unit 8	Unit 9
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	Daily Zero	Daily Zero	Daily Zero	Weekly Span	Weekly Span	Weekly Span
Alarm (Action) Limit:	ppm	21.1	21.1	21.1	21.1	21.1	21.1
Warning Limit:	ppm	14.1	14.1	14.1	14.1	14.1	14.1
Signature: R.T. Powell					Date: 26/01/2018		

Transitional National Plan Annual Verification Report (v1.0)					TNP YEAR		2 (2017)	
TNP Species: NO _x or SO ₂ or Dust		SO₂	ELV¹: (mg/m ³)	440	LCP: (TNP ref.)		283	
Process Operator: RWE Generation UK plc				Permit No:		RP3133LD		
Address: Aberthaw Power Station, The Leys, Aberthaw, Near Barry, Vale of Glamorgan, CF62 4ZW				TNP Contact:		Richard Powell		
				Tel No:		01446 752239		
				Email:		richard.powell@rwe.com		
EN 15259 (Representative Sampling)								
EN 15259: (PASS/FAIL)		PASS		Test Date(s):		2nd June 2010		
Non-Compliances: (including stratification factors if applied in addition to QAL2 factors)								
QAL1 (Instrument Suitability)								
Make/Model: Pulsi 200 Series						MCERTS: Yes (Y/N)		MC990 006/07
Manufacturer: Procal						Sample Type ² :		In-Situ IR
QAL2 (Calibration)³ Low Range								
LCP unit within windshield or Instrument number:	-	Unit 7	Unit 8	Unit 9				
QAL2 Factors: b (gradient) ⁴	-	1.004	0.96	1.028				
a (offset)	mg/m ³	-0.805	-1.61	0.304				
Test date	-	21/10/2016	26/10/2016	01/03/2016				
Date applied ⁵	-	01/02/2017	01/02/2017	13/09/2016				
Variability ⁶	mg/m ³	9.83	7.64	9.6				
VCR from test data ^{7a}	mg/m ³	101	239	713				
VCR extended (if applicable) ^{7b}	mg/m ³	637	639	n/a				
Second QAL2 (Calibration) High Range								
QAL2 Factors: b (gradient) ⁴	-	0.985	1.01	1.004				
a (offset)	mg/m ³	1.193	-1.69	1.637				
Test date	-	21/10/2016	26/10/2016	01/03/2016				
Date applied ⁵	-	01/02/2017	01/02/2017	13/09/2016				
Variability ⁶	mg/m ³	9.13	7.45	9.56				
VCR from test data ^{7a}	mg/m ³	98.4	240	720				
VCR extended (if applicable) ^{7b}	mg/m ³	2286	642	1133				
U7 AST U8 QAL2 (Annual Surveillance Test) High Range								
LCP units within windshield:	-	Unit 7	Unit 8	Unit 9	Unit 7	Unit 8	Unit 9	
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	Daily Zero	Daily Zero	Daily Zero	Weekly Span	Weekly Span	Weekly Span	
Alarm (Action) Limit:	ppm	11.5	11.5	11.5	11.5	11.5	11.5	
Warning Limit:	ppm	7.7	7.7	7.7	7.7	7.7	7.7	
Signature: <i>R.T. Powell</i>						Date: 26/01/2018		