

Releases to Air - PPC Continuous Measurement

Operational Summary for the period 01/01/2020 to 31/12/2020

Operator: National Grid Gas PLC

Site Location: Felindre Compressor Station

Permit/Variation no: RP3232LD

Release Point: A1

Continuous Measurement Form						
Pollutant	Month	Daily Avg ELV (mg/m ³)	Daily Mean ^{[1][2]} (mg/m ³)	Hourly 95th Percentile ELV (mg/m ³)	Cumulative 95th Percentile Hourly Avg Value ^[2] (mg/m ³)	Total Mass Release (kg)
Quarter 1						
NOX	Jan	75	21.50	150	22.36	437.51
CO		100	1.46	100	1.46	67.03
NOX	Feb	75	12.28	150	20.58	143.29
CO		100	1.42	100	1.46	26.04
NOX	Mar	75	23.69	150	21.26	227.50
CO		100	1.43	100	1.45	31.72
Quarter 2						
NOX	Apr	75	17.02	150	19.37	853.76
CO		100	1.47	100	1.46	97.18
NOX	May	75	20.73	150	20.21	389.61
CO		100	1.46	100	1.46	41.30
NOX	Jun	75	18.05	150	20.16	48.96
CO		100	1.40	100	1.46	5.75
Quarter 3						
NOX	Jul	75	-	150	20.16	0.00
CO		100	-	100	1.46	0.00
NOX	Aug	75	10.92	150	20.16	2.74
CO		100	1.32	100	1.46	4.34
NOX	Sep	75	-	150	20.16	0.00
CO		100	-	100	1.46	0.00
Quarter 4						
NOX	Oct					
CO						
NOX	Nov					
CO						
NOX	Dec					
CO						

Signed on behalf of the Operator:

M Secomb

Date:

15 October 2020

[1] The result given is the maximum value obtained during the reporting period expressed in the same terms as the emission limit value.

[2] Concentrations are reported with the uncertainties at 95% confidence level of 10% for CO and 20% for Nox subtracted from the continuous prediction.

Releases to Air - PPC Continuous Measurement

Operational Summary for the period 01/01/2020 to 31/12/2020

Operator: National Grid Gas PLC

Site Location: Felindre Compressor Station

Permit/Variation no: RP3232LD

Release Point: A2

Continuous Measurement Form						
Pollutant	Month	Daily Avg ELV (mg/m ³)	Daily Mean ^{[1][2]} (mg/m ³)	Hourly 95th Percentile ELV (mg/m ³)	Cumulative 95th Percentile Hourly Avg Value ^[2] (mg/m ³)	Total Mass Release (kg)
Quarter 1						
NOX	Jan	75	20.62	150	20.52	356.69
CO		100	3.43	100	3.42	79.18
NOX	Feb	75	19.65	150	20.51	106.85
CO		100	2.93	100	3.42	15.36
NOX	Mar	75	19.55	150	20.47	133.54
CO		100	2.82	100	3.41	20.34
Quarter 2						
NOX	Apr	75	21.34	150	21.10	826.60
CO		100	3.66	100	3.60	122.02
NOX	May	75	21.11	150	21.11	184.26
CO		100	3.62	100	3.61	29.13
NOX	Jun	75	-	150	21.11	0.00
CO		100	-	100	3.61	0.00
Quarter 3						
NOX	Jul	75	-	150	21.11	0.00
CO		100	-	100	3.61	0.00
NOX	Aug	75	-	150	21.11	0.00
CO		100	-	100	3.61	0.00
NOX	Sep	75	-	150	21.11	0.67
CO		100	-	100	3.61	0.71
Quarter 4						
NOX	Oct					
CO						
NOX	Nov					
CO						
NOX	Dec					
CO						

Signed on behalf of the Operator:

M Secomb

Date:

15 October 2020

[1] The result given is the maximum value obtained during the reporting period expressed in the same terms as the emission limit value.

[2] Concentrations are reported with the uncertainties at 95% confidence level of 10% for CO and 20% for Nox subtracted from the continuous prediction.

Reporting of other performance indicators for the period 01/01/2020 to 31/12/2020

Operator: National Grid Gas PLC

Site Location: Felindre Compressor Station

Permit/Variation no: RP3232LD

Period	Turbine Unit	Hours of Operation	Hours of Operation at less than 55% MCR	Mass of NOx per Hour of Operation (t/h)	Mass of CO per Hour of Operation (t/h)
Quarter 1	B	481.09	24.26	0.0017	0.0003
	C	225.20	22.44	0.0027	0.0005
Quarter 2	B	765.77	28.73	0.0017	0.0002
	C	381.98	21.81	0.0026	0.0004
Quarter 3	B	2.20	1.76	0.0012	0.0020
	C	0.44	0.44	0.0015	0.0016
Quarter 4	B				
	C				
Annual	B	1249.06	54.74	0.0017	0.0002
	C	607.61	44.69	0.0026	0.0004

Operator's Comments:

Signed on behalf of the Operator: M Secomb

Date: 15 October 2020

Releases to Air - Continuous Measurement Systems Invalidation Log

Operational Summary for the period 01/01/2020 to 31/12/2020

Operator: National Grid Gas PLC

Site Location: Felindre Compressor Station

Permit/Variation no: RP3232LD

Emissions to Air - Invalidation Log			
Date	Period of Invalidation (hours)	Cumulative Invalidated Days in Year	Comments

Signed on behalf of the Operator: M Secomb

Date: 15 October 2020