

Releases to Air - PPC Continuous Measurement

Operational Summary for the period 01/01/2021 to 31/12/2021

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/m³)	Daily Mean ^{[1][2]} (mg/m³)	Hourly 95th Percentile ELV (mg/m³)	Cumulative 95th Percentile Hourly Avg Value ^[2] (mg/m³)	Total Mass Release (kg)
Quarter 1						
NOX	Jan	75	0.00	150	-	0.24
CO		100	0.00	100	-	3.40
NOX	Feb	75	11.86	150	12.04	126.72
CO		100	8.51	100	8.50	88.45
NOX	Mar	75	11.97	150	11.81	731.40
CO		100	8.63	100	8.95	473.98
Quarter 2						
NOX	Apr	75	0.00	150	11.81	0.00
CO		100	0.00	100	8.95	0.00
NOX	May	75	0.00	150	11.81	0.69
CO		100	0.00	100	8.95	2.52
NOX	Jun	75	0.00	150	11.81	0.00
CO		100	0.00	100	8.95	0.00
Quarter 3						
NOX	Jul	75	0.00	150	11.81	0.00
CO		100	0.00	100	8.95	0.00
NOX	Aug	75	0.00	150	11.81	0.21
CO		100	0.00	100	8.95	2.12
NOX	Sep	75	0.00	150	11.81	0.00
CO		100	0.00	100	8.95	0.00
Quarter 4						
NOX	Oct	-	-	-	11.81	
CO		-	-	-	8.95	
NOX	Nov	-	-	-	11.81	
CO		-	-	-	8.95	
NOX	Dec	-	-	-	11.81	
CO		-	-	-	8.95	

Signed on behalf of the Operator:

M Secomb

Date:

13 October 2021

[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 01/01/2021 to 31/12/2021

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	0.00	150	-	1.14
CO		100	0.00	100	-	0.59
NOX	Feb	75	19.53	150	21.70	171.25
CO		100	3.27	100	3.30	35.61
NOX	Mar	75	22.11	150	23.45	925.68
CO		100	3.33	100	3.32	132.33
Quarter 2						
NOX	Apr	75	0.00	150	23.45	0.74
CO		100	0.00	100	3.32	1.69
NOX	May	75	0.00	150	23.45	0.00
CO		100	0.00	100	3.32	0.00
NOX	Jun	75	0.00	150	23.45	0.00
CO		100	0.00	100	3.32	0.00
Quarter 3						
NOX	Jul	75	0.00	150	23.45	0.98
CO		100	0.00	100	3.32	5.23
NOX	Aug	75	0.00	150	23.45	0.25
CO		100	0.00	100	3.32	0.08
NOX	Sep	75	0.00	150	23.45	0.00
CO		100	0.00	100	3.32	0.00
Quarter 4						
NOX	Oct	-	-	-	23.45	
CO		-	-	-	3.32	
NOX	Nov	-	-	-	23.45	
CO		-	-	-	3.32	
NOX	Dec	-	-	-	23.45	
CO		-	-	-	3.32	

Signed on behalf of the Operator:

M Secomb

Date:

13 October 2021

[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 01/01/2021 to 31/12/2021

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 70% MCR	Mass of NOx per Hour of Operation (t/h)	Mass of CO per Hour of Operation (t/h)
Quarter 1	A	2.2	N/A	N/A	N/A
	B	560.58	19.75	0.0015	0.0010
	C	382.78	12.73	0.0029	0.0004
Quarter 2	A	7.27	N/A	N/A	N/A
	B	0.82	0.82	0.0008	0.0031
	C	0.45	0.45	0.0017	0.0038
Quarter 3	A	0.00	N/A	N/A	N/A
	B	0.33	0.33	0.0006	0.0065
	C	0.74	0.74	0.0017	0.0072
Quarter 4	A		N/A	N/A	N/A
	B			-	-
	C			-	-
Annual	A	9.47	N/A	N/A	N/A
	B	561.72	20.89	0.0015	0.0010
	C	383.96	13.91	0.0029	0.0005

Operator's Comments:

Signed on behalf of the Operator: M Secomb

Date: 13 October 2021

Releases to Air - Continuous Measurement Systems Invalidation Log

Operational Summary for the period 01/01/2021 to 31/12/2021

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: 13 October 2021

