



31st January 2022

[REDACTED],
Scottish Environment Protection Agency, Edinburgh Office
Silvan House,
231 Corstorphine Road,
Edinburgh,
EH12 7AT

Dear [REDACTED],

Pollution Prevention and Control Act 1999
Permit PPC/A/1013494
Condition 4.1.4

Please find enclosed the annual air emission report as required under Condition 4.1.4 of PPC/A/1013494.

Analysis values are obtained using a Testoterm 'Testo 350' Analyser for the referenced components. Furnace analysis shows no unusual data. Gas turbine analysis shows no unusual data.

For operational reasons the following quarterly samples could not be taken;

- 2Q Gas Turbine: Sampling location for the gas turbine exhaust was taken out of service in preparation for planned plant shutdown
- 2Q K-F-04: Offline from 8th April in preparation for planned plant shutdown
- 2Q-4Q K-F-05: Offline from 2nd March 2021 for retubing, and has not yet returned to service
- 3Q-4Q K-F-07: Offline throughout September for reactive maintenance and offline from 28th November for statutory inspection, coinciding with stack sampling rounds.

Please do not hesitate to get in contact if you require any further information.

Yours sincerely,

[REDACTED]

[REDACTED]

CC: [REDACTED]
[REDACTED]

Measured NOx Values (mg/m3 @ 3% O2, 273K Dry) from Furnace stacks 1 to 7 (1Q)

Date & Time	Furnace	Duration	MW Fired	Gas(t/hr)	% O2	NOx mg/m3 @ ref as NO2	Analysis carried out by		Deviations from Methods specified by
					Consent = 7%	Consent = 350 mg/m3	Company	Designation / Post	
08/03/2021 10:33	1	14 minutes	73	3.5	6	267	ExxonMobil	QC Group	None
02/02/2021 15:35	2	14 minutes	73	3.5	3	207	ExxonMobil	QC Group	None
21/01/2021 13:41	3	14 minutes	74	3.5	3	255	ExxonMobil	QC Group	None
21/01/2021 12:45	4	14 minutes	67	3.2	5	260	ExxonMobil	QC Group	None
02/02/2021 15:03	5	14 minutes	55	2.7	3	241	ExxonMobil	QC Group	None
21/01/2021 12:22	6	14 minutes	75	3.5	4	217	ExxonMobil	QC Group	None
21/01/2021 13:20	7	14 minutes	73	3.4	4	247	ExxonMobil	QC Group	None

Measured NOx Values (mg/m3 @ 3% O2, 273K Dry) from Furnace stacks 1 to 7 (2Q).

Date & Time	Furnace	Duration	MW Fired	Gas(t/hr)	% O2	NOx mg/m3 @ ref as NO2	Analysis carried out by		Deviations from Methods specified by
					Consent = 7%	Consent = 350 mg/m3	Company	Designation / Post	
08/04/2021 09:11	1	14 minutes	49	2.2	6	259	ExxonMobil	QC Group	None
08/04/2021 11:01	2	14 minutes	53	2.3	3	246	ExxonMobil	QC Group	None
08/04/2021 09:37	3	14 minutes	47	2.1	3	251	ExxonMobil	QC Group	None
Offline	4	-	-	-	-	-	-	-	-
Offline	5	-	-	-	-	-	-	-	-
08/04/2021 10:32	6	14 minutes	44	1.9	4	203	ExxonMobil	QC Group	None
08/04/2021 09:58	7	14 minutes	52	2.3	4	272	ExxonMobil	QC Group	None

Measured NOx Values (mg/m3 @ 3% O2, 273K Dry) from Furnace stacks 1 to 7 (3Q)

Date & Time	Furnace	Duration	MW Fired	Gas(t/hr)	% O2	NOx mg/m3 @ ref as NO2	Analysis carried out by		Deviations from Methods specified by
					Consent = 7%	Consent = 350 mg/m3	Company	Designation / Post	
02/09/2021 15:05	1	14 minutes	56	2.8	5	240	ExxonMobil	QC Group	None
02/09/2021 11:08	2	14 minutes	74.7	3.8	3	219	ExxonMobil	QC Group	None
02/09/2021 15:27	3	14 minutes	73.4	3.7	4	304	ExxonMobil	QC Group	None
02/09/2021 11:31	4	14 minutes	70.2	3.6	5	251	ExxonMobil	QC Group	None
Offline	5	-	-	-	-	-	-	-	-
02/09/2021 11:54	6	14 minutes	70.2	3.6	4	203	ExxonMobil	QC Group	None
Offline	7	-	-	-	-	-	-	-	-

Measured NOx Values (mg/m3 @ 3% O2, 273K Dry) from Furnace stacks 1 to 7 (4Q)

Date & Time	Furnace	Duration	MW Fired	Gas(t/hr)	% O2	NOx mg/m3 @ ref as NO2	Analysis carried out by		Deviations from Methods specified by
					Consent = 7%	Consent = 350 mg/m3	Company	Designation / Post	
21/12/2021 15:39	1	14 minutes	43	2.0	5	300	ExxonMobil	QC Group	None
21/12/2021 18:27	2	14 minutes	41	1.9	3	163	ExxonMobil	QC Group	None
21/12/2021 15:15	3	14 minutes	48	2.2	4	349	ExxonMobil	QC Group	None
21/12/2021 12:40	4	14 minutes	44	2.0	5	227	ExxonMobil	QC Group	None
Offline	5	-	-	-	-	-	-	-	-
21/12/2021 12:13	6	14 minutes	38	1.8	5	207	ExxonMobil	QC Group	None
Offline	7	-	-	-	-	-	-	-	-

Measured NOx, Values (mg/m3 @ 15% O2, 273K Dry) from GTE

Date	Time	Duration	Dump Stack flow t/hr	NOx mg/m3 @ ref	SOx mg/m3 @ ref	Analysis carried out by		Deviations from Methods specified by SEPA
				Consent = 550 mg/m3	No Consent	Company	Designation / Post	
8-Mar-2021	11:02:00	14 minutes	376	427.4	0.0	ExxonMobil	QC Group	None
Offline	-	-	-	-	-	-	-	-
2-Sep-2021	09:31:00	14 minutes	389	364.8	5.6	ExxonMobil	QC Group	None
21-Dec-2021	16:10:00	14 minutes	363	263.2	13.2	ExxonMobil	QC Group	None