

Stericycle®

2024 Q4 INCINERATION REPORT

January 31st, 2025

District Manager
Ministry of the Environment, Conservation and Parks
Halton-Peel District Office
300-4145 North Service Road
Burlington, ON
L7L 6A3

Dear District Manager,

**Re: Stericycle, ULC.
Certificate of Approval for a Waste Disposal Site No. A680324**

As required by Condition 52 of the above-mentioned Certificate of Approval, please find attached the incinerator quarterly report for the fourth quarter of 2024.

During October 2024 there were 3 occurrences of the 4-hour CO alarm & 0 occurrences of the 12-hour CO alarm. In November 2024 there were 6 occurrences of the 4-hour CO alarm and 0 occurrence of the 12-hour CO alarm. In December 2024 there were 4 occurrences of the 4-hour CO alarm and 0 occurrences of the 12-hour CO alarm. Stericycle will continue to work with the incinerator operators to further reduce the number of CO alarms.

There were 0 occurrences of the 24-hour NOx alarm triggered in Q4 of 2024.

From October 21st to 31st 2024 and November 1st to 14th communication errors between the SteriWorks system and the incinerators DAS prevented the recording of hourly totals in the system. The site was able to track daily throughput on the incinerator. The table below shows the hourly average of weights processed on the days in question and the daily/monthly totals are available in the body of the report.

Date	Daily Total - Kg	Hour of Operation	Hourly Average - Kg
10/21/2024	0	0	0
10/22/2024	0	0	0
10/23/2024	8598	20.6	417.4
10/24/2024	241.5	1	241.5
10/25/2024	0	0	0
10/26/2024	9914.9	19.1	519
10/27/2024	9886.5	18.6	531.5
10/28/2024	10000	16.6	602.4

Date	Daily Total - Kg	Hour of Operation	Hourly Average Kg
10/29/2024	8696.2	15.2	572.1
10/30/2024	9770.3	18.5	528.1
10/31/2024	9224.9	18.8	490.7
11/1/2024	6494	10.5	618.5
11/2/2024	8702.6	13.5	644.6
11/3/2024	9642.7	14.5	665
11/4/2024	0	0	0
11/5/2024	0	0	0
11/6/2024	0	0	0
11/7/2024	0	0	0
11/8/2024	0	0	0
11/9/2024	9837.4	18.2	540.5
11/10/2024	10000	15.6	641
11/11/2024	10000	19.3	518.1
11/12/2024	9732.5	16.7	582.1
11/13/2024	5398.1	8.2	658.3
11/14/2024	8164.6	12.3	663.8

Details on the above noted alarms are available in the body of the attached report.

FOURTH QUARTER 2024 INCINERATOR QUARTERLY REPORT - SUPPLEMENTAL INFORMATION

- The Emergency Bypass stack was not used during Q4 2024.
- Throughout the quarter, minor issues with either the waste feed or the proper operation of certain pieces of equipment caused alarm conditions. In all cases, the problems were fixed, and normal operations resumed. Corrective actions included adjustments to the waste feed mix and rate and corrective maintenance on affected systems.
- Throughout the fourth quarter of 2024, the incinerator was run by trained Stericycle operators Ricky Pope, Said M. Said, Lamek Abraha, Nasif Ferdaus Ahad, John Diala, & Anuraj Singh.
- There were no complaints received regarding the operation of the incinerator during the fourth quarter of 2024.
- Stericycle ULC. operated the incinerator on the following days during the fourth quarter:

Oct-24			
Start-up		Shutdown	
Date	Time	Date	Time
10/1/2024	11:43	10/3/2024	03:06
10/3/2024	13:32	10/5/2024	19:31
10/6/2024	01:54	10/6/2024	13:15
10/8/2024	22:13	10/10/2024	19:22
10/11/2024	00:59	10/13/2024	04:32
10/13/2024	10:28	10/14/2024	21:05
10/15/2024	02:19	10/16/2024	06:01
10/16/2024	11:54	10/18/2024	18:34
10/18/2024	23:44	10/20/2024	21:07
10/22/2024	18:46	10/23/2024	17:39
10/23/2024	20:01	10/23/2024	23:48
10/25/2024	22:33	10/27/2024	18:15
10/27/2024	22:54	10/28/2024	19:38
10/29/2024	00:51	10/29/2024	19:18
10/30/2024	01:44	10/31/2024	18:19
10/31/2024	22:58		

Nov-24			
Start-up		Shutdown	
Date	Time	Date	Time
		11/1/2024	10:01
11/1/2024	16:16	11/2/2024	09:22
11/2/2024	16:27	11/3/2024	01:22
11/3/2024	06:12	11/3/2024	23:48
11/4/2024	13:54	11/4/2024	18:35
11/8/2024	17:00	11/9/2024	17:54
11/9/2024	23:15	11/10/2024	19:25
11/11/2024	00:53	11/12/2024	05:39
11/12/2024	11:51	11/13/2024	02:53
11/13/2024	08:14	11/13/2024	10:32
11/13/2024	17:39	11/14/2024	11:24
11/14/2024	17:31	11/15/2024	18:03
11/15/2024	23:30	11/16/2024	20:54
11/17/2024	02:06	11/17/2024	21:38
11/18/2024	02:51	11/18/2024	21:05
11/19/2024	02:05	11/19/2024	19:40
11/20/2024	16:53	11/21/2024	19:30
11/21/2024	23:38	11/22/2024	18:13
11/22/2024	23:42	11/23/2024	19:26
11/24/2024	00:44	11/24/2024	20:41
11/25/2024	01:54	11/25/2024	09:17
11/25/2024	21:19	11/26/2024	17:52
11/26/2024	23:30	11/27/2024	18:17
11/27/2024	23:59	11/28/2024	20:09
11/29/2024	01:31	11/29/2024	03:17
11/29/2024	05:52	11/30/2024	02:06
11/30/2024	08:07		

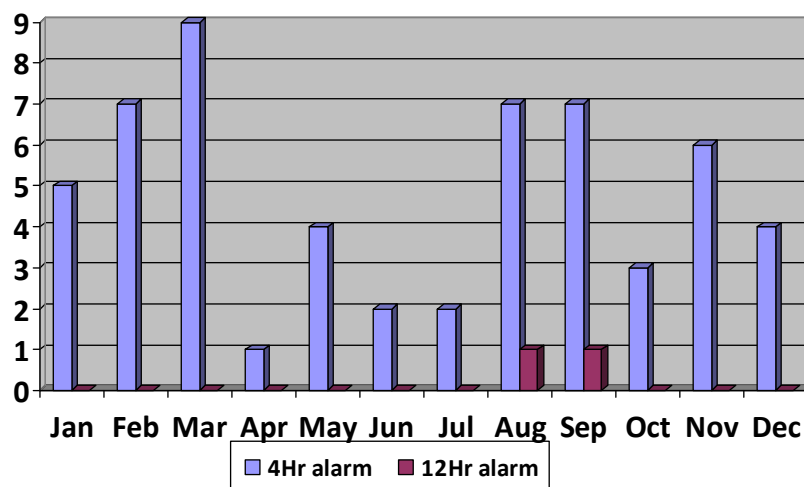
Dec-24			
Start-up		Shutdown	
Date	Time	Date	Time
		12/1/2024	13:01
12/3/2024	17:44	12/4/2024	14:00
12/4/2024	15:33	12/5/2024	08:32
12/5/2024	14:43	12/6/2024	16:53
12/6/2024	23:00	12/7/2024	17:36
12/7/2024	23:04	12/8/2024	01:35
12/8/2024	22:56	12/9/2024	07:23
12/10/2024	19:28	12/11/2024	05:08
12/11/2024	07:02	12/12/2024	17:34
12/12/2024	23:04	12/13/2024	16:35
12/13/2024	22:48	12/14/2024	16:04
12/14/2024	22:57	12/15/2024	17:52
12/15/2024	22:33	12/16/2024	00:06
12/18/2024	14:50	12/19/2024	18:26
12/19/2024	23:51	12/20/2024	18:24
12/20/2024	23:45	12/21/2024	18:27
12/21/2024	23:57	12/23/2024	07:59
12/23/2024	13:24	12/24/2024	17:56
12/24/2024	23:50	12/25/2024	17:20
12/25/2024	22:30	12/26/2024	16:19
12/26/2024	21:40	12/27/2024	19:20
12/28/2024	00:25	12/28/2024	20:17
12/31/2024	20:18		

During Q4 of 2024 routine maintenance was performed on the incinerator during the scheduled shutdowns along with following additional repairs:

1. Repair of the refractory in the Primary Chamber
2. Repair of the transition stack

CO Alarm Chart Q4 2024

Month	4 Hour CO average alarms	12 Hour CO average alarms
January	5	0
February	7	0
March	9	0
April	1	0
May	4	0
June	2	0
July	2	0
August	7	1
September	7	1
October	3	0
November	6	0
December	4	0



2023 CO alarms vs. 2024 CO alarms

	2023		2024	
Month	4 Hr. Alarm	12 Hr. Alarm	4 Hr. Alarm	12 Hr. Alarm
January	5	0	5	0
February	11	0	7	0
March	20	4	9	0
April	20	1	1	0
May	16	1	4	0
June	15	0	2	0
July	6	0	2	0
August	0	0	7	1
September	9	3	7	1
October	2	0	3	0
November	7	1	6	0
December	7	0	4	0

Stericycle warrants that it has exercised best efforts to adhere to all the applicable Terms & Conditions of its Waste Disposal Site Certificate of Approval including all inspection and reporting requirements through Q4 of 2024.

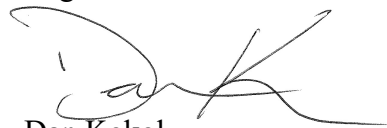
Stericycle is very committed to the full compliance with all conditions of its Provisional Certificate of Approval, throughout the year, whenever a situation of possible non-compliance was identified; immediate actions were taken to ensure full compliance. Stericycle has mechanisms in place to always ensure full compliance. Employees are aware of their responsibilities and are trained appropriately.

Stericycle believes that the current monitoring program is sufficient and enables both Stericycle and the MECF to have a good understanding of the Site operations and to assess its compliance with the Certificate of Approval and all the relevant regulations.

However, Stericycle is very committed to looking for ways to improve its operations through better procedures, training, inspections, and monitoring programs and will continue to do so.

I trust that this is the information required and that it meets with your approval. Should you have any questions or require additional information, please do not hesitate to contact me accordingly.

Regards,



Dan Kokol
Operational EHS Manager
Phone: 905-595-8532
Email: dkokol@stericycle.com



October 2024 Incineration Averages Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QuenchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
10/1/2024	Average	14.70	0.00	60.43	290.43	521.23	7.21	31.07	39.57	8.50	32.35	8.25	9.09	6.44	17.41	0.00	0.43	Off/Preheat/Normal(ON)
	Min	11.50	0.00	0.00	53.50	37.78	6.45	23.94	25.01	-7.50	22.89	7.72	7.88	6.40	0.00	0.00	0.00	
	Max	20.40	0.00	95.00	705.16	1062.69	7.50	43.38	59.87	23.41	49.99	9.95	9.77	6.50	40.68	0.00	2.00	
10/2/2024	Average	12.33	0.95	64.68	802.48	1060.91	6.10	37.42	55.74	18.32	44.49	7.86	8.14	6.41	39.77	0.00	2.32	Normal(On)
	Min	11.00	0.00	8.10	705.67	996.32	5.94	31.44	53.70	15.69	39.02	7.54	7.68	6.40	39.06	0.00	1.00	
	Max	14.75	442.39	143.29	881.41	1147.11	6.45	43.27	59.02	22.27	50.16	9.00	8.85	6.48	40.52	0.00	4.00	
10/3/2024	Average	16.13	1.11	28.97	657.47	766.79	6.27	31.92	40.08	8.16	30.84	8.28	8.50	6.42	21.62	0.00	1.83	Normal(ON)/Shutdown/Off/Preheat/Normal(ON)
	Min	8.23	0.00	0.00	429.22	116.18	5.51	22.04	22.47	-18.58	18.38	6.77	7.43	6.40	0.01	0.00	0.00	
	Max	20.40	453.52	160.54	935.99	1083.87	7.02	51.36	54.38	23.28	43.92	9.57	9.02	6.50	40.46	0.00	6.00	
10/4/2024	Average	12.01	1.02	50.66	870.91	1057.97	6.31	37.95	54.72	16.77	43.73	7.72	8.04	6.40	41.23	0.00	1.21	Normal(ON)
	Min	9.92	0.00	15.30	747.26	990.43	5.89	31.96	52.13	11.48	40.37	7.38	7.62	6.40	40.22	0.00	1.00	
	Max	13.91	15.16	95.00	949.54	1084.96	6.63	44.54	57.41	23.64	46.61	8.52	9.06	6.42	42.18	0.00	2.00	
10/5/2024	Average	13.40	3.64	34.95	941.96	1053.66	5.97	37.34	55.39	18.05	42.77	7.32	7.71	6.40	41.22	0.00	4.61	Normal(ON)/Shutdown/Off
	Min	10.02	0.00	0.00	769.16	562.06	5.70	28.52	51.84	15.05	34.12	6.96	7.37	6.30	30.44	0.00	2.00	
	Max	20.37	450.34	122.89	988.98	1119.62	6.21	42.07	57.29	25.29	49.09	7.77	8.98	6.40	42.18	0.00	8.00	
10/6/2024	Average	15.49	0.80	22.27	736.27	865.85	6.68	36.25	46.94	10.69	36.11	7.31	7.49	6.46	28.02	0.00	0.71	Off/Preheat/Normal(ON)/Shutdown/Off
	Min	9.01	0.00	0.00	535.19	321.19	5.20	22.78	23.48	-28.55	15.23	6.70	7.07	6.40	0.09	0.00	0.00	
	Max	20.39	182.82	70.20	971.33	1088.46	7.60	54.96	57.75	20.29	47.50	9.40	7.77	6.50	41.42	0.00	4.00	
10/7/2024	Average	20.25	0.00	0.00	379.65	195.70	7.40	22.41	23.43	1.02	17.68	7.05	7.60	6.40	0.03	0.00	0.00	Off
	Min	20.07	0.00	0.00	118.85	48.33	7.18	20.57	21.53	0.70	15.54	6.70	7.60	6.40	0.00	0.00	0.00	
	Max	20.42	0.00	0.00	758.06	487.61	7.60	25.84	27.05	1.32	20.37	7.52	7.64	6.40	0.10	0.00	0.00	
10/8/2024	Average	20.26	0.00	0.00	64.04	36.46	6.84	19.98	21.06	1.07	17.08	7.18	7.70	6.40	0.00	0.00	0.00	Off/Preheat
	Min	20.10	0.00	0.00	48.97	31.11	6.70	18.28	19.76	0.46	14.75	6.93	7.64	6.03	0.00	0.00	0.00	
	Max	20.40	0.00	0.00	118.49	48.33	7.18	21.54	22.61	1.55	19.71	7.55	7.70	6.40	0.01	0.00	0.00	
10/9/2024	Average	12.77	1.07	51.78	546.15	973.38	5.67	26.60	37.36	10.75	29.29	7.44	7.53	6.44	31.28	0.00	0.58	Preheat/Normal(ON)
	Min	9.54	0.00	0.00	270.56	583.15	5.33	17.78	18.33	0.48	15.56	7.10	7.30	6.40	0.00	0.00	0.00	
	Max	20.37	32.69	165.30	683.70	1078.52	6.41	33.39	47.72	15.86	37.59	7.79	7.82	6.50	41.42	0.00	1.00	
10/10/2024	Average	13.42	1.47	47.35	791.46	1057.18	5.66	35.16	51.78	16.63	42.35	7.37	7.54	6.46	40.82	0.00	2.37	Normal(ON)/Shutdown/Off
	Min	11.29	0.00	0.00	675.89	730.76	5.35	29.31	47.78	13.18	35.83	6.90	7.30	6.40	34.55	0.00	1.00	
	Max	20.36	20.12	206.60	912.88	1103.67	6.00	38.51	55.52	20.35	45.45	7.75	7.77	6.50	41.96	0.00	5.00	
10/11/2024	Average	13.62	1.64	40.41	878.00	1027.93	6.16	38.08	50.54	12.47	40.14	7.33	7.54	6.47	38.02	0.00	1.52	Off/Preheat/Normal(ON)
	Min	9.58	0.00	0.00	678.94	517.53	5.48	30.59	32.57	-20.42	19.83	7.06	7.04	6.39	11.31	0.00	0.00	
	Max	20.37	104.92	147.00	944.86	1087.28	6.62	53.48	56.30	19.81	44.50	7.52	7.80	6.50	42.17	0.00	3.00	
10/12/2024	Average	13.81	2.27	24.03	922.93	1060.99	5.85	34.68	51.00	16.32	40.03	7.51	7.79	6.41	40.68	0.00	3.34	Normal(ON)
	Min	11.37	0.60	2.52	674.33	1022.40	5.30	25.41	47.58	12.89	32.72	7.24	7.44	6.40	38.36	0.00	2.00	
	Max	16.01	360.08	153.29	977.82	1120.28	6.53	40.60	53.60	22.39	44.59	8.46	8.65	6.49	41.87	0.00	5.00	
10/13/2024	Average	14.17	1.25	3.42	789.06	1004.69	5.61	35.78	47.03	11.25	35.40	7.52	7.69	6.45	35.64	0.00	2.75	Normal(ON)/Shutdown/Off/Preheat/Normal(ON)
	Min	10.00	0.00	0.00	533.31	461.03	5.08	22.77	26.96	-34.32	16.94	7.19	7.24	6.40	3.45	0.00	0.00	
	Max	20.37	20.39	34.10	898.30	1097.58	6.00	61.31	52.37	24.06	42.70	8.48	8.65	6.50	42.05	0.00	7.00	
10/14/2024	Average	13.59	2.81	4.02	931.88	1059.12	5.23	33.14	49.27	16.13	37.98	7.30	7.69	6.40	41.52	0.00	3.85	Normal(On)/Shutdown
	Min	11.61	0.00	2.35	836.92	989.96	5.03	29.63	47.77	13.58	34.75	7.15	7.42	6.40	40.77	0.00	1.00	
	Max	16.35	656.40	95.00	995.68	1099.76	5.39	36.78	50.74	18.45	40.08	7.38	7.81	6.41	42.10	0.00	6.00	
10/15/2024	Average	13.40	2.17	43.49	888.82	1020.31	5.38	35.03	48.14	13.10	35.78	7.24	7.74	6.45	38.07	0.00	1.99	Shutdown/Off/Preheat/Normal(ON)
	Min	9.49	0.00	-0.33	592.91	413.92	5.01	25.63	37.02	-8.04	21.05	7.01	7.05	6.40	15.82	0.00	0.00	
	Max	20.37	284.81	374.96	992.59	1093.53	5.64	45.15	52.86	21.08	40.37	7.81	8.49	6.50	41.80	0.00	6.00	
10/16/2024	Average	14.76	1.02	35.70	745.13	951.98	5.52	38.37	42.60	4.23	30.59	7.19	7.47	6.46	30.97	0.00	3.05	Normal(ON)/Shutdown/Off/Preheat/Normal(ON)
	Min	8.82	0.00	0.00	534.99	312.83	5.00	22.17	16.97	-41.49	12.83	7.05	7.12	6.40	0.00	0.00	0.00	
	Max	20.39	204.95	125.14	956.92	1113.03	6.47	63.00	51.68	24.63	42.13	7.50	7.78	6.50	42.97	0.00	8.00	
10/17/2024	Average	12.51	1.70	36.83	918.27	1059.27	5.57	35.85	51.56	15.70	39.71	7.26	7.55	6.46	40.80	0.00	1.64	Normal/(ON)
	Min	10.13	0.00	8.78	789.49	996.73	5.00	30.23	48.71	12.95	36.23	7.07	7.25	6.40	39.00	0.00	1.00	
	Max	15.03	157.87	134.63	966.55	1095.23	6.04	40.57	54.05	19.77	42.90	7.92	8.32	6.50	41.63	0.00	3.00	
10/18/2024	Average	13.28	2.43	45.98	915.14	1040.52	5.72	35.26	51.95	16.69	40.48	7.32	7.64	6.44	41.18	0.00	3.77	Normal(ON)/Shutdown/Off/Preheat
	Min	10.92	0.00	0.00	694.73	431.27	5.12	29.47	43.70	3.41	29.18	6.99	7.16	6.40	26.39	0.00	2.00	
	Max	20.37	251.06	186.74	1001.67	1094.16	6.19	40.82	54.25	20.57	42.98	8.17	11.37	6.50	43.14	0.00	6.00	



October 2024 Incineration Averages Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QuenchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
10/19/2024	Average	12.87	2.89	37.88	897.26	1033.02	5.96	37.82	51.08	13.26	39.53	7.61	7.73	6.47	38.96	0.00	1.25	Preheat/Normal(O N)
	Min	8.62	0.00	0.00	550.00	429.93	5.00	21.67	29.10	-24.90	16.84	7.10	7.31	6.40	6.48	0.00	0.00	
	Max	20.33	360.04	92.50	1021.22	1082.86	6.67	54.45	58.78	24.61	46.81	8.94	8.56	6.50	43.17	0.00	3.00	
10/20/2024	Average	13.10	4.44	51.35	1012.34	1059.24	6.20	38.49	54.36	15.86	41.34	7.72	7.81	6.43	41.09	0.00	4.55	Normal(ON)/Shutd own
	Min	11.09	0.80	17.44	938.46	990.19	5.73	33.53	51.03	13.01	37.04	7.39	7.60	6.40	38.00	0.00	2.00	
	Max	15.38	637.85	177.74	1071.05	1089.53	6.51	43.60	56.67	18.25	44.21	8.47	7.98	6.50	42.93	0.00	8.00	
10/21/2024	Average	19.89	0.10	3.38	472.50	307.23	7.25	28.83	30.81	1.99	26.87	10.05	7.41	6.40	4.67	0.00	1.06	Shutdown/Off
	Min	13.78	0.00	0.00	206.00	119.86	6.31	23.02	23.59	-4.05	19.77	6.17	7.36	6.40	0.00	0.00	0.00	
	Max	20.41	4.71	66.52	1068.06	1061.43	7.80	43.13	54.64	16.70	42.42	12.12	7.79	6.40	39.39	0.00	9.00	
10/22/2024	Average	18.21	0.65	6.48	205.13	283.51	7.33	23.59	27.02	3.43	23.23	7.15	7.46	6.55	5.98	0.00	0.00	Off/Preheat/Norma l(ON)
	Min	8.11	0.00	0.00	114.31	79.04	6.02	19.62	20.56	0.35	15.08	6.60	7.34	6.31	0.00	0.00	0.00	
	Max	20.42	165.61	90.62	666.09	1062.10	7.80	31.46	48.34	20.12	38.50	8.58	7.56	6.70	41.63	0.00	0.00	
10/23/2024	Average	12.54	3.10	33.92	779.05	1051.71	6.13	33.03	52.67	19.64	40.92	7.94	8.24	6.38	41.21	0.00	1.02	Normal(ON)/Shutd own
	Min	8.36	0.85	5.40	632.04	1004.39	5.50	23.89	48.38	13.33	35.60	7.40	7.50	6.33	36.19	0.00	0.00	
	Max	15.87	520.98	145.34	899.77	1085.28	6.40	42.60	56.99	27.78	45.54	9.52	9.50	6.40	41.97	0.00	2.00	
10/24/2024	Average	19.00	1.84	6.79	494.65	397.43	5.91	23.72	27.26	3.55	20.67	6.59	8.41	6.33	2.46	0.00	0.25	Shutdown/Off
	Min	9.44	0.00	0.00	214.11	123.76	5.08	15.00	15.00	-2.12	9.94	5.90	7.76	6.30	0.00	0.00	0.00	
	Max	20.41	709.10	90.99	1000.12	1080.23	6.40	38.79	52.78	18.99	42.64	8.02	8.53	6.40	35.96	0.00	2.00	
10/25/2024	Average	20.02	0.05	0.95	197.06	241.25	6.38	20.85	21.79	0.93	18.95	6.31	8.49	6.30	3.17	0.00	0.00	Off/Preheat
	Min	10.59	0.00	0.00	107.54	67.28	5.21	16.31	16.88	0.29	15.80	5.84	8.07	6.10	0.00	0.00	0.00	
	Max	20.42	20.37	45.82	470.42	921.61	6.70	23.21	23.73	1.61	21.67	8.20	9.67	6.45	39.07	0.00	0.00	
10/26/2024	Average	12.88	2.49	38.56	781.17	1020.64	5.47	30.83	46.78	15.95	34.05	7.75	7.61	6.37	34.58	0.00	2.36	Preheat/Normal(O N)
	Min	8.02	0.00	0.00	471.12	795.39	5.00	15.84	16.41	0.43	12.75	7.03	7.13	6.28	0.03	0.00	0.00	
	Max	20.37	304.65	121.19	987.00	1086.21	6.40	39.31	57.25	22.06	42.53	8.23	8.06	6.40	40.52	0.00	8.00	
10/27/2024	Average	13.57	3.53	37.55	959.56	1043.72	5.22	32.23	53.25	21.02	36.72	7.69	7.78	6.39	39.72	0.00	8.25	Normal(ON)/Shutd own/Off/Preheat
	Min	11.00	0.00	0.00	720.94	516.33	5.00	28.03	44.95	-1.17	28.18	7.26	7.49	6.30	22.56	0.00	5.00	
	Max	20.37	464.93	99.83	1010.06	1097.18	5.62	46.11	54.87	24.83	38.73	8.39	8.44	6.40	41.02	0.00	10.00	
10/28/2024	Average	13.25	4.23	42.16	901.80	1040.41	5.61	36.95	51.27	14.32	36.09	8.30	8.52	6.44	37.00	0.00	5.23	Normal(ON)/Shutd own/Off)
	Min	8.97	0.00	0.00	576.67	800.89	5.18	28.10	32.69	-28.45	20.05	7.52	7.52	6.36	7.99	0.00	0.00	
	Max	20.33	1030.65	118.26	995.94	1088.88	6.09	61.63	57.22	24.56	44.55	9.41	9.87	6.50	41.42	0.00	11.00	
10/29/2024	Average	15.43	4.44	48.89	851.27	1014.96	5.84	34.37	52.80	18.43	36.05	8.77	9.14	6.41	38.44	0.07	3.12	Off/Preheat/Norma l(ON)/Shutdown/Of f
	Min	11.34	0.00	0.00	542.64	440.10	4.77	22.69	33.08	-10.90	20.19	7.59	8.38	6.40	9.38	0.00	0.00	
	Max	20.37	71.73	150.04	978.15	1097.43	6.58	43.98	57.35	26.42	40.94	9.87	11.30	6.48	41.09	0.52	11.00	
10/30/2024	Average	13.03	2.62	47.47	776.74	974.85	6.83	38.31	54.42	16.11	42.00	8.31	8.46	6.45	35.63	0.00	0.87	Off/Preheat/Norma l(ON)
	Min	7.51	0.00	0.00	503.20	205.34	5.94	21.58	26.11	-12.46	19.55	7.06	7.68	6.30	0.21	0.00	0.00	
	Max	20.37	208.20	173.31	909.56	1097.80	7.25	44.91	60.56	32.28	49.13	9.93	10.13	6.59	40.76	0.00	2.00	
10/31/2024	Average	11.93	5.00	46.52	935.20	1053.93	7.01	39.96	55.17	15.21	43.76	10.31	9.14	6.51	39.96	0.00	1.95	Normal/Shutdown/ Off/Preheat
	Min	8.23	0.00	0.00	789.16	613.43	6.78	35.72	53.85	12.24	37.00	9.94	8.82	6.40	33.57	0.00	1.00	
	Max	20.37	2345.06	178.07	1004.72	1103.58	7.23	42.88	58.43	19.40	45.74	11.07	9.57	6.88	40.89	0.00	3.00	



October 2024 Incineration Feed Log

TheDate	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	DailySum	Monthly Sum
01-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	512.80	503.30	502.10	0.00	0.00	503.10	503.40	504.90	506.40	509.80	4045.80	216128.80
02-Oct-24	511.80	507.80	503.70	506.50	504.30	504.00	504.60	552.10	560.00	569.20	550.10	142.00	550.10	560.20	558.60	0.00	551.10	550.20	553.20	507.30	253.20	0.00	0.00	0.00	10000.00	
03-Oct-24	552.90	551.80	550.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	504.50	503.10	555.20	502.60	3720.30	
04-Oct-24	556.60	556.00	556.60	558.30	553.30	555.60	611.50	260.00	560.90	552.30	507.40	513.00	460.10	518.20	458.90	558.50	551.30	558.40	553.10	0.00	0.00	0.00	0.00	0.00	10000.00	
05-Oct-24	555.40	552.00	559.90	563.40	552.80	560.10	556.20	501.40	500.40	402.80	502.40	501.20	501.90	503.00	300.20	401.20	401.90	500.90	656.00	426.90	0.00	0.00	0.00	0.00	10000.00	
06-Oct-24	0.00	0.00	0.00	0.00	124.20	562.00	555.80	562.00	559.00	563.20	550.80	553.20	550.60	50.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4631.40	
07-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
08-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
09-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	505.70	502.40	500.20	501.50	500.50	2510.30	
10-Oct-24	559.20	550.20	551.00	551.20	551.50	551.80	412.10	501.20	508.10	524.90	496.40	505.40	503.40	517.70	509.40	500.60	505.40	504.00	516.60	179.90	0.00	0.00	0.00	0.00	10000.00	
11-Oct-24	0.00	0.00	609.50	605.40	607.70	600.00	613.70	512.80	521.10	507.90	501.80	507.70	504.50	511.60	503.30	505.00	351.10	507.60	519.80	563.50	446.00	0.00	0.00	0.00	10000.00	
12-Oct-24	553.40	557.50	555.80	551.80	556.60	554.10	551.70	511.20	512.40	501.50	505.80	589.90	507.60	513.90	555.30	531.50	562.30	554.00	273.70	0.00	0.00	0.00	0.00	0.00	10000.00	
13-Oct-24	551.50	551.20	554.30	552.00	553.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	504.00	304.90	512.60	519.80	515.80	544.60	517.30	607.00	600.80	603.00	601.70	618.40	9212.40	
14-Oct-24	552.20	551.00	552.10	550.70	556.80	554.40	550.40	495.30	504.40	566.20	579.80	266.00	528.20	268.80	510.60	525.60	394.20	507.50	0.00	523.40	462.40	0.00	0.00	0.00	10000.00	
15-Oct-24	0.00	0.00	0.00	364.60	601.40	261.90	515.40	301.20	500.40	475.10	479.20	509.10	510.50	334.70	510.70	507.60	501.50	502.60	512.90	556.10	552.60	553.80	552.60	396.10	10000.00	
16-Oct-24	555.40	556.60	557.50	554.90	552.10	562.30	553.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	501.80	508.30	506.40	550.80	561.60	6520.80	
17-Oct-24	551.40	552.60	552.00	553.90	550.60	553.00	554.30	312.80	457.60	443.60	326.90	503.50	555.20	513.60	556.60	504.20	510.20	552.00	519.20	376.80	0.00	0.00	0.00	0.00	10000.00	
18-Oct-24	550.90	552.90	550.60	551.70	552.90	551.20	552.60	511.20	527.70	560.00	501.40	554.80	554.50	512.30	556.50	517.00	503.20	572.00	254.00	0.00	0.00	0.00	0.00	0.00	9987.40	
19-Oct-24	0.00	509.80	600.30	574.20	604.70	600.90	506.20	502.20	510.40	501.90	502.50	0.00	508.60	508.50	504.80	253.10	0.00	0.00	0.00	352.50	468.90	400.30	350.10	408.20	9168.10	
20-Oct-24	404.90	404.70	414.60	402.20	402.40	422.90	405.60	0.00	0.00	480.90	299.10	604.60	613.00	607.20	603.00	602.10	603.80	611.50	621.60	601.60	600.90	293.40	0.00	0.00	10000.00	
21-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
23-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8598.00	
24-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	241.50	
25-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
26-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9914.90	
27-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9886.50	
28-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10000.00	
29-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8696.20	
30-Oct-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	6.60	0.00	0.00	0.00	0.00	9770.30	
31-Oct-24	146.30	30.80	210.30	206.90	54.20	118.60	51.20	30.10	55.10	45.20	0.00	0.00	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9224.90	

October 2024 CEM Calibration Log

[illegible]

Carbon Monoxide > 8ppm 4 hour alarm



Carbon Monoxide > 8ppm 4 hour alarm

	Start	Stop		Op.	Stack CO	Stack CO		Actions
Date	Time	Time	Duration	Mode	@ 11% O2	as mg/m ³	Explanation	Taken
10/5/2024	15:00	18:00	03:00	Normal	9.1	10.5	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
10/14/2024	21:30	2:00	04:30	Shutdown	12.2	14.1	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. The incinerator was brought to a controlled shutdown.
10/24/2024	1:30	5:00	03:30	Shutdown	26.2	30.2	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. The incinerator was brought to a controlled shutdown.

Atomizer Amps < 36

	Start	Stop		Op.	Atom. A	Atom. B		Action
Date	Time	Time	Duration	Mode	amps	amps	Explanation	Taken
10/24/2024	0:30:00	3:48:00	3:18:00	Shutdown	13.6		Low atomizer amperage was caused by a failure of the atomizer unit.	The incinerator was brought to a controlled shutdown.



November 2024 Incineration Averaged Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QuenchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
11/1/2024	Average	13.09	2.97	36.57	843.03	986.57	5.89	35.66	47.42	11.76	35.01	10.11	9.02	6.83	34.74	0.00	4.58	Preheat/Normal(ON)/S
	Min	7.02	0.00	-0.46	560.28	400.23	5.16	27.19	27.10	-26.74	19.71	8.78	8.34	6.70	0.09	0.00	0.00	utdown/Off/Preheat/
	Max	20.37	383.99	131.27	965.67	1104.06	6.95	54.45	56.55	21.54	45.51	11.07	9.60	6.89	40.97	0.00	9.00	Normal(ON)
11/2/2024	Average	13.25	3.23	44.49	830.06	975.26	5.25	29.45	42.97	13.52	31.06	10.15	9.43	6.68	33.85	0.00	1.69	Normal(ON)/Shutdown
	Min	9.28	0.00	-0.35	536.13	374.22	5.00	23.03	26.26	-3.92	14.85	8.18	7.90	6.60	0.08	0.00	0.00	n/Off/Preheat/Normal
	Max	20.39	233.91	181.18	1026.14	1118.06	6.16	34.00	48.18	20.12	37.29	10.98	10.38	6.84	40.70	0.00	5.00	(ON)
11/3/2024	Average	12.73	4.16	29.79	843.49	1022.20	5.43	34.20	47.75	13.55	33.84	9.55	9.53	6.51	34.97	0.00	3.02	Normal(ON)/Shutdown
	Min	7.95	0.00	0.00	589.33	456.70	5.00	18.55	28.42	-25.71	14.24	9.06	9.14	6.40	5.89	0.00	0.00	n/Off/Preheat/Normal
	Max	20.41	383.99	181.18	1026.14	1118.06	6.95	54.45	56.55	29.61	45.51	11.07	10.38	6.89	41.15	0.00	9.00	(ON)/Shutdown
11/4/2024	Average	19.11	4.78	8.04	533.93	558.34	6.30	26.68	30.09	3.41	21.84	9.16	9.52	6.41	12.38	0.00	1.61	Shutdown/Off/Preheat
	Min	12.89	0.00	-4.40	305.72	190.29	5.50	19.08	18.17	-21.53	13.79	8.20	9.14	6.34	0.01	0.00	0.00	/Shutdown/Off
	Max	20.42	383.99	181.18	1026.14	1118.06	6.95	54.45	56.55	29.61	45.51	11.07	10.45	6.89	41.15	0.00	9.00	
11/5/2024	Average	20.25	0.00	0.00	176.78	111.16	7.14	25.00	25.70	0.70	23.53	8.08	9.50	6.40	0.06	0.00	0.00	Off
	Min	20.07	0.00	0.00	106.24	63.94	6.51	22.46	23.62	0.51	22.15	7.86	9.50	6.40	0.02	0.00	0.00	
	Max	20.42	383.99	181.18	1026.14	1118.06	7.50	54.45	56.55	29.61	45.51	11.07	10.45	6.89	41.15	0.00	9.00	
11/6/2024	Average	20.25	0.00	0.00	80.70	45.98	7.52	23.86	24.98	1.11	22.82	8.08	9.50	6.40	0.04	0.00	0.00	Off
	Min	20.07	0.00	0.00	71.67	39.44	7.50	22.78	23.89	0.76	22.20	8.00	9.50	6.40	0.00	0.00	0.00	
	Max	20.44	383.99	181.18	1026.14	1118.06	7.60	54.45	56.55	29.61	45.51	11.07	10.45	6.89	41.15	0.00	9.00	
11/7/2024	Average	20.00	0.00	0.00	53.71	30.29	7.05	20.47	21.49	1.01	19.57	8.09	9.24	6.17	0.00	0.00	0.00	Off
	Min	0.00	0.00	0.00	-17.78	-17.78	0.00	-17.78	-17.78	0.00	-17.78	0.00	0.00	0.00	0.00	0.00	0.00	
	Max	20.44	383.99	181.18	1026.14	1118.06	7.60	54.45	56.55	29.61	45.51	11.07	10.45	6.89	41.15	0.00	9.00	
11/8/2024	Average	19.00	6.82	4.58	137.39	275.37	6.57	22.59	28.58	5.99	23.48	9.30	10.06	6.40	8.56	0.00	0.06	Off/Preheat/Normal(O N)
	Min	7.62	0.00	-5.50	32.82	19.90	5.00	17.80	20.81	0.53	18.67	8.90	9.70	6.39	0.00	0.00	0.00	
	Max	20.44	383.99	181.18	1026.14	1118.06	7.60	54.45	56.55	29.61	45.51	11.07	11.67	6.89	41.15	0.00	9.00	
11/9/2024	Average	12.51	3.96	44.87	831.71	1029.42	5.15	33.33	53.40	20.07	39.85	9.61	9.13	6.40	39.27	0.00	4.63	Normal(ON)/Shutdow n/Off/Preheat
	Min	9.23	0.00	0.00	660.71	420.68	5.00	27.89	40.56	-10.41	23.74	9.43	7.99	6.31	16.65	0.00	1.00	
	Max	20.44	383.99	181.18	1026.14	1118.06	7.60	54.45	56.55	29.61	45.51	11.07	11.67	6.89	41.15	0.00	9.00	
11/10/2024	Average	12.45	4.35	27.98	811.55	1039.75	5.60	35.95	51.32	15.39	36.52	9.41	9.22	6.40	35.75	0.00	4.17	Preheat/Normal(ON)/S hutdown/Off
	Min	8.17	0.00	0.00	591.63	736.88	4.99	28.93	27.12	-41.02	13.29	9.11	8.84	6.30	1.23	0.00	0.00	
	Max	20.44	383.99	181.18	1026.14	1118.06	7.60	68.18	56.55	29.61	45.51	11.07	11.67	6.89	41.15	0.00	10.00	
11/11/2024	Average	11.96	4.16	26.78	881.73	1020.51	5.99	38.46	52.79	14.34	39.57	8.51	8.48	6.41	36.24	0.00	2.55	Off/Preheat/Normal(O N)
	Min	6.52	0.00	0.00	605.37	391.10	5.31	30.75	39.40	-18.41	26.22	7.32	7.71	6.39	12.31	0.00	0.00	
	Max	20.44	383.99	181.18	1026.14	1126.13	7.60	68.18	58.08	29.61	45.51	11.07	11.67	6.89	41.15	0.00	10.00	
11/12/2024	Average	12.97	7.34	25.41	968.64	1000.47	5.13	32.08	48.62	16.54	35.53	8.44	8.60	6.41	37.20	0.00	4.32	Normal(ON)/Shutdow n/Off/Preheat/Normal (ON)
	Min	8.29	0.00	0.00	680.69	367.71	4.99	22.96	36.74	-11.47	20.30	7.33	7.75	6.30	7.14	0.00	0.00	
	Max	20.44	547.11	181.18	1084.75	1126.13	7.60	68.18	58.08	29.61	45.51	11.07	11.67	6.89	41.15	0.00	10.00	
11/13/2024	Average	13.63	5.35	21.46	806.06	952.26	5.21	30.50	46.04	15.54	31.44	8.38	8.19	6.41	32.71	0.00	2.04	Normal(ON)/Shutdow n/Off/Preheat/Normal (ON)
	Min	6.47	0.00	-1.31	488.30	361.09	5.00	19.18	22.31	-5.27	12.12	7.02	6.87	6.39	0.01	0.00	0.00	
	Max	20.44	719.29	181.18	1084.75	1146.14	7.60	68.18	58.08	29.61	45.51	11.07	11.67	6.89	41.15	0.00	10.00	
11/14/2024	Average	13.25	6.01	32.68	869.10	986.96	5.36	38.70	48.01	9.31	34.37	7.73	8.37	6.44	33.38	0.00	1.79	Normal(ON)/Shutdow n/Off/Preheat/Normal (ON)
	Min	6.19	0.00	0.00	539.06	435.43	5.00	22.95	22.53	-49.82	14.33	7.02	7.59	6.38	0.10	0.00	0.00	
	Max	20.44	719.29	181.18	1084.75	1146.14	7.60	73.02	58.08	29.61	45.51	11.07	11.67	6.89	41.20	0.00	10.00	
11/15/2024	Average	12.68	5.80	46.41	919.45	1032.65	5.46	34.41	51.31	16.90	38.01	7.32	8.01	6.41	39.28	0.00	3.37	Normal(ON)/Shutdow n/Off/Preheat
	Min	10.21	0.00	0.00	539.06	398.18	5.00	22.95	22.53	-49.82	14.33	7.02	7.00	6.38	0.10	0.00	0.00	
	Max	20.37	719.29	181.18	1084.75	1146.14	7.60	73.02	58.08	29.61	45.51	11.07	11.67	6.89	41.20	0.00	10.00	
11/16/2024	Average	12.24	5.37	26.46	937.55	1035.63	5.39	37.51	49.14	11.66	35.64	7.54	8.04	6.41	36.61	0.00	3.28	Preheat/Normal(ON)/S hutdown
	Min	7.52	0.00	0.00	579.49	414.40	5.04	26.11	31.91	-29.26	18.96	7.04	7.73	6.39	7.70	0.00	0.00	
	Max	20.30	719.29	181.18	1084.75	1146.14	7.60	73.02	58.08	29.61	45.51	11.07	11.67	6.89	41.20	0.00	10.00	
11/17/2024	Average	12.54	5.44	28.53	951.50	1025.90	5.56	36.17	49.61	13.44	35.28	7.93	8.18	6.43	37.30	0.00	3.47	Shutdown/Off/Preheat /Normal(ON)/Shutdow n
	Min	7.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Max	20.37	633.25	60.12	1048.06	1105.44	6.00	47.84	53.92	25.22	42.00	8.59	8.76	6.49	41.07	0.00	9.00	
11/18/2024	Average	12.66	5.60	28.14	962.86	1028.14	5.75	35.93	50.95	15.02	37.52	8.52	8.11	6.43	38.65	0.00	2.92	Shutdown/Off/Preheat /Normal(ON)/Shutdow n
	Min	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Max	20.37	513.41	93.80	1064.04	1162.07	6.03	49.81	54.36	32.69	42.78	10.90	8.58	6.49	40.67	0.00	9.00	



November 2024 Incineration Averaged Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QuenchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
11/19/2024	Average	12.58	5.65	27.25	956.56	1040.62	5.61	34.64	50.05	15.41	36.72	8.51	8.24	6.45	38.43	0.00	2.24	Shutdown/Off/Preheat
	Min	8.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	/Normal(ON)/Shutdown/Off
	Max	20.37	199.69	61.98	1059.02	1123.07	5.87	47.48	54.48	27.08	42.59	9.36	9.02	6.52	41.77	0.00	5.00	
11/20/2024	Average	17.53	2.17	6.94	458.33	458.74	6.11	20.08	27.53	7.45	19.50	7.83	8.00	6.52	13.16	10.29	0.39	Off/Preheat/Normal(ON)
	Min	6.57	0.00	0.00	235.19	133.52	5.10	16.11	18.70	0.25	12.15	7.03	7.41	6.30	0.00	0.00	0.00	
	Max	20.41	659.33	48.92	843.71	1071.19	6.72	27.28	50.39	23.97	36.65	8.83	8.49	6.70	42.05	40.60	3.00	
11/21/2024	Average	11.31	6.16	24.92	945.93	1056.50	5.33	31.52	45.51	13.99	37.68	7.35	7.94	6.49	40.01	39.82	1.73	Normal(ON)/Shutdown/Off/Preheat
	Min	8.56	3.23	6.32	741.34	1002.87	5.03	21.23	42.18	10.85	33.52	6.68	7.31	6.33	39.61	39.30	1.00	
	Max	13.87	482.41	52.40	1101.05	1099.21	5.49	36.63	48.56	22.05	41.30	8.44	9.01	6.84	40.37	40.54	2.00	
11/22/2024	Average	12.21	6.87	25.73	973.29	1033.10	5.36	29.24	45.59	16.35	36.51	7.50	7.83	6.41	40.13	39.29	3.52	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.38	0.00	0.00	744.69	389.28	5.02	19.15	35.78	1.70	24.72	7.05	7.32	6.30	24.11	23.36	1.00	
	Max	20.37	737.22	51.36	1062.30	1096.19	5.64	35.15	48.55	24.04	40.82	8.72	9.19	6.59	41.22	40.34	6.00	
11/23/2024	Average	11.69	6.62	30.88	963.75	1030.79	5.50	34.44	45.49	11.05	35.17	7.41	7.76	6.44	36.35	36.25	1.92	Preheat/Normal(ON)/Shutdown/Off
	Min	5.90	0.00	0.00	605.51	360.51	5.13	23.89	28.19	-19.60	16.27	7.00	7.30	6.36	9.49	9.86	0.00	
	Max	20.33	585.14	63.71	1090.45	1113.12	5.95	47.80	50.07	20.19	40.55	8.28	8.00	6.71	40.73	40.33	3.00	
11/24/2024	Average	11.93	6.97	26.20	997.28	1028.86	5.27	31.24	44.26	13.02	33.44	7.83	7.76	6.40	36.48	36.40	2.14	Off/Preheat/Normal(ON)/Shutdown
	Min	6.63	0.00	0.00	742.30	429.27	5.00	24.77	34.26	-7.85	20.19	7.30	7.27	6.30	15.99	15.95	0.00	
	Max	20.37	469.22	57.87	1125.52	1144.76	5.56	42.18	47.80	18.59	38.32	9.37	8.35	6.52	40.26	40.20	4.00	
11/25/2024	Average	14.32	3.79	20.48	776.83	861.28	5.43	30.56	36.57	6.00	24.98	7.59	7.65	6.50	24.52	24.43	0.76	Shutdown/Off/Preheat
	Min	6.98	0.00	0.00	489.80	315.12	4.99	17.51	21.07	-30.39	10.83	7.05	7.24	6.30	0.10	0.00	0.00	
	Max	20.39	398.74	58.87	1129.54	1144.78	6.46	58.02	45.56	21.96	36.89	8.38	8.10	6.80	40.08	40.34	4.00	
11/26/2024	Average	12.18	4.96	21.11	936.94	1022.20	5.44	30.25	47.52	17.27	37.36	7.72	7.86	6.58	38.58	38.39	2.63	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.46	0.00	0.00	562.60	410.10	4.90	16.10	36.12	1.22	23.96	7.21	7.40	6.40	20.34	20.11	0.00	
	Max	20.37	35.69	49.30	1057.20	1082.77	5.81	37.22	50.59	28.34	41.41	9.08	8.75	6.85	39.71	40.11	6.00	
11/27/2024	Average	12.11	4.61	30.74	959.90	1017.04	5.16	32.42	45.00	12.58	34.75	7.67	7.99	6.52	36.50	36.83	2.08	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	6.70	0.00	-3.30	657.85	389.30	4.98	17.96	30.14	-22.39	18.34	6.98	6.87	6.38	8.06	7.87	0.00	
	Max	20.37	96.27	105.83	1043.70	1090.04	5.88	52.59	48.72	25.91	39.23	9.19	9.02	6.70	40.53	40.62	4.00	
11/28/2024	Average	11.91	8.06	29.68	930.84	1024.40	5.09	28.31	44.56	16.25	33.31	7.51	7.78	6.48	37.73	37.36	2.09	Preheat/Normal(ON)/Shutdown
	Min	6.37	0.00	-10.08	598.78	344.76	4.99	20.99	25.26	-4.21	15.44	7.12	7.06	6.30	16.93	16.95	0.00	
	Max	20.33	660.66	123.84	1029.75	1109.36	5.53	33.09	48.11	24.45	38.02	8.98	8.70	6.70	40.79	39.98	5.00	
11/29/2024	Average	12.14	12.17	40.26	843.20	995.33	5.04	28.09	45.89	17.80	33.87	8.88	8.98	6.58	38.33	37.31	1.98	Shutdown/Off/Preheat
	Min	7.93	0.00	-2.20	602.80	397.37	4.99	14.74	37.36	-5.16	21.69	7.19	7.60	6.34	16.89	17.02	0.00	/Shutdown/Preheat/Normal(ON)
	Max	20.37	664.49	89.74	990.08	1086.97	5.50	42.69	49.44	31.26	38.70	10.27	10.12	6.84	41.14	40.09	6.00	
11/30/2024	Average	12.60	5.08	34.28	897.06	1002.87	5.07	30.85	44.77	13.91	32.46	9.91	9.94	6.65	35.71	35.53	4.12	Normal(ON)/Shutdown
	Min	8.92	0.00	0.00	541.34	406.21	5.00	21.86	28.78	-2.37	14.20	8.80	8.61	6.32	5.91	5.73	0.00	/Off/Preheat/Normal(ON)
	Max	20.37	35.62	90.24	1047.69	1135.01	5.58	36.32	49.46	20.80	39.76	10.41	10.95	6.89	40.55	40.62	11.00	



November 2024 Incineration Feed Log

TheDate	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	DailySum	Monthly Sum
01-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6494.00	224830.9
02-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8702.60	
03-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9642.70	
04-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
09-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9837.40
10-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10000.00
11-Nov-24	0.00	0.00	0.00	0.00	6.60	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10000.00
12-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9732.50
13-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5398.10
14-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8164.60
15-Nov-24	555.50	550.60	558.70	550.40	552.30	551.00	552.90	463.50	515.00	553.60	552.00	572.30	552.40	560.30	562.10	559.60	560.80	567.20	109.80	0.00	0.00	0.00	0.00	0.00	0.00	10000.00
16-Nov-24	0.00	418.80	575.50	574.60	571.70	573.50	573.80	527.40	510.20	535.80	511.60	504.80	529.60	514.20	536.10	467.50	518.70	295.00	341.60	487.10	432.50	0.00	0.00	0.00	0.00	10000.00
17-Nov-24	0.00	0.00	0.00	603.10	607.60	600.50	611.00	0.00	451.10	555.40	564.10	550.70	389.80	555.40	552.20	502.40	560.60	554.40	344.40	601.40	604.60	600.60	190.70	0.00	0.00	10000.00
18-Nov-24	0.00	0.00	0.00	0.00	605.20	618.40	606.80	504.60	505.90	557.50	601.10	613.90	573.80	570.50	575.00	572.40	576.50	570.90	502.40	602.90	601.00	241.20	0.00	0.00	0.00	10000.00
19-Nov-24	0.00	0.00	0.00	601.80	600.10	602.40	608.30	507.40	483.40	642.30	602.70	605.40	603.40	606.80	606.20	602.10	603.10	565.90	515.90	600.20	42.60	0.00	0.00	0.00	0.00	10000.00
20-Nov-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.50	407.60	421.50	574.00	572.00	599.70	0.00	0.00	2700.30
21-Nov-24	369.70	571.00	573.00	572.30	571.80	573.60	414.60	511.80	515.60	535.50	578.20	577.80	576.00	551.30	561.00	502.20	0.00	467.90	604.70	372.00	0.00	0.00	0.00	0.00	0.00	10000.00
22-Nov-24	502.80	503.60	502.90	501.20	501.60	500.40	434.40	481.60	534.50	508.60	573.60	602.10	602.70	613.80	642.90	555.30	582.00	503.10	352.90	0.00	0.00	0.00	0.00	0.00	0.00	10000.00
23-Nov-24	0.00	572.80	571.60	571.20	578.40	571.00	574.20	511.40	508.80	502.70	501.80	515.40	504.80	509.30	508.90	506.70	508.50	510.80	520.10	451.60	0.00	0.00	0.00	0.00	0.00	10000.00
24-Nov-24	0.00	0.00	600.80	602.60	603.20	602.60	603.80	505.70	502.40	516.40	279.60	556.90	557.80	509.40	545.60	476.10	532.10	601.80	407.10	520.60	463.70	0.00	0.00	11.80	0.00	10000.00
25-Nov-24	0.00	0.00	0.00	602.10	601.70	601.20	600.30	475.00	368.80	208.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	149.30	557.50	0.00	0.00	4164.70
26-Nov-24	552.10	549.70	550.80	551.80	550.50	500.50	550.20	264.80	556.50	562.90	560.10	556.10	558.20	550.20	551.60	552.90	555.30	436.90	488.90	0.00	0.00	0.00	0.00	0.00	0.00	10000.00
27-Nov-24	0.00	558.00	557.10	558.70	560.70	554.60	557.10	513.50	509.20	576.50	576.80	581.10	570.60	556.80	571.20	551.50	570.20	553.10	523.30	0.00	0.00	0.00	0.00	0.00	0.00	10000.00
28-Nov-24	0.00	0.00	502.60	501.50	501.70	503.90	505.00	241.70	557.50	604.20	650.40	601.80	606.60	603.70	578.50	573.80	603.20	561.60	555.10	515.30	225.90	0.00	0.00	0.00	0.00	9994.00
29-Nov-24	0.00	0.00	0.00	552.90	0.00	0.00	0.00	563.20	565.00	557.60	605.80	627.50	621.60	622.60	610.90	611.50	610.00	568.10	601.40	651.20	662.60	654.10	314.00	0.00	0.00	10000.00
30-Nov-24	600.60	600.50	499.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	534.90	552.20	614.70	585.90	575.50	613.20	574.10	374.70	558.80	668.40	669.00	664.80	669.00	643.80	0.00	10000.00

November 2024 CEM Calibration Log

[illegible]

Carbon Monoxide > 8ppm 4 hour alarm



Carbon Monoxide > 8ppm 4 hour alarm

	Start	Stop		Op.	Stack CO	Stack CO		Actions
Date	Time	Time	Duration	Mode	@ 11% O2	as mg/m ³	Explanation	Taken
11/12/2024	3:00	7:00	04:00	Normal	14.2	16.4	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
11/12/2024	20:30	23:00	02:30	Normal	31.3	36.1	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
11/13/2024	3:00	5:00	02:00	Normal	9.5	11.0	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
11/14/2024	11:00	15:00	04:00	Normal	16.3	18.8	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
11/21/2024	21:00	1:00	04:00	Shutdown	13.5	15.6	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. The incinerator was brought to a controlled shutdown.
11/25/2024	00:00	2:00	02:00	Shutdown	14.9	17.2	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. The incinerator was brought to a controlled shutdown.

Secondary Chamber Temperature < 1000°C

Date	Start Time	Stop Time	Duration	Op. Mode	Temp. °C	Explanation	Actions Taken
11/10/2024	20:24	21:30	01:06	Shutdown	981	Low upper chamber temperatures were the result of an incorrect flame port air setting.	The flame port air set point was corrected. No waste was fed and the incinerator was brought to a controlled shutdown.



December 2024 Incineration Averages Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QuenchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
12/1/2024	Average	14.36	4.40	17.72	921.11	863.65	4.86	27.39	43.82	16.43	33.09	9.96	10.35	6.57	37.97	37.94	3.80	Normal(ON)/Shutdown/Off
	Min	9.79	0.00	0.00	424.54	132.39	4.15	12.25	18.10	3.41	17.06	7.93	9.70	6.09	7.79	7.68	0.00	
	Max	20.41	85.19	70.92	1071.57	1105.27	5.03	34.69	48.78	29.90	38.90	10.62	12.91	6.80	40.76	40.97	10.00	
12/2/2024	Average	20.25	0.00	0.00	160.87	63.99	5.66	14.13	14.73	0.60	8.89	7.21	10.66	6.16	0.11	0.09	0.00	Off
	Min	20.07	0.00	0.00	58.21	36.62	4.48	9.52	10.00	-0.04	2.02	6.82	10.60	6.06	0.00	0.00	0.00	
	Max	20.42	0.00	0.00	423.54	131.92	6.20	18.75	19.56	3.39	17.01	7.93	10.70	6.20	7.57	7.46	0.00	
12/3/2024	Average	19.75	0.00	3.42	40.13	126.41	6.09	14.19	15.96	1.78	11.65	6.59	10.60	6.27	0.05	0.05	0.00	Off/Preheat
	Min	5.09	0.00	0.00	31.38	26.69	5.92	11.64	12.45	0.45	5.63	6.35	10.32	6.20	0.00	0.00	0.00	
	Max	20.40	0.00	95.00	71.01	957.90	6.20	16.59	18.31	4.09	14.81	6.82	10.60	6.40	5.59	5.71	0.00	
12/4/2024	Average	9.20	1.70	30.23	906.93	1057.04	5.05	31.45	47.09	15.64	36.86	9.98	9.66	6.36	38.31	38.20	1.69	Preheat/Normal(ON)/Shutdown/Normal(ON)
	Min	5.09	0.00	-0.77	72.56	960.82	5.00	12.76	15.13	2.37	6.27	6.59	6.65	6.30	5.82	5.92	0.00	
	Max	13.66	543.06	409.50	1093.69	1093.16	5.99	36.42	51.54	32.35	41.43	10.60	10.43	6.70	40.26	40.70	2.00	
12/5/2024	Average	13.26	3.28	33.51	998.04	1008.14	5.06	32.64	47.48	14.84	36.72	10.17	9.73	6.37	37.89	38.11	3.96	Normal(ON)/Shutdown/Off/Preheat/Normal(ON)
	Min	8.25	0.00	0.00	627.86	326.28	4.92	18.33	35.56	-3.92	21.40	9.03	9.47	6.30	10.43	10.04	0.00	
	Max	20.37	494.38	155.38	1065.93	1140.80	5.84	44.81	55.37	19.81	42.78	10.60	10.40	6.40	40.45	40.64	10.00	
12/6/2024	Average	13.40	3.26	33.47	1050.48	1003.03	5.08	35.45	51.38	15.93	37.99	10.45	9.61	6.39	37.71	37.57	2.65	Normal(ON)/Shutdown/Off/Preheat
	Min	10.43	0.00	-17.60	699.34	332.77	5.00	29.73	28.91	-5.54	13.59	9.26	9.40	6.31	11.03	11.17	0.00	
	Max	20.37	121.00	98.50	1136.43	1097.00	6.00	39.32	55.12	20.65	42.03	11.05	10.25	6.40	40.74	40.73	5.00	
12/7/2024	Average	12.74	3.21	29.59	976.63	1024.51	5.05	35.03	51.01	15.98	38.48	10.13	9.46	6.47	37.18	38.03	1.50	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	0.00	0.00	0.00	-17.78	-17.78	0.00	-17.78	-17.78	-6.17	-17.78	0.00	0.00	0.00	0.00	0.00	0.00	
	Max	20.37	550.04	84.18	1100.28	1132.73	5.94	41.66	55.69	23.04	43.09	10.95	10.26	6.50	40.49	41.40	2.00	
12/8/2024	Average	13.24	6.52	16.33	975.20	1030.88	5.21	35.34	49.87	14.53	38.13	9.48	9.20	6.48	36.96	35.84	1.46	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.03	0.00	-12.10	696.79	400.78	5.00	25.58	29.80	-7.79	18.92	8.26	8.61	6.39	16.29	16.09	0.00	
	Max	20.37	543.39	63.97	1087.90	1133.92	5.59	43.99	54.71	20.70	42.63	10.38	10.05	6.50	41.24	40.49	2.00	
12/9/2024	Average	19.86	29.09	-1.68	730.63	637.01	5.74	29.89	39.23	9.33	26.86	8.47	9.27	6.43	20.68	20.58	0.53	Preheat/Normal(ON)/Shutdown/Off
	Min	11.50	0.00	-15.40	303.49	103.58	4.90	23.16	24.72	-11.86	10.84	6.50	8.88	6.39	0.09	0.00	0.00	
	Max	20.41	77.00	95.00	1060.09	1106.47	6.69	43.57	55.54	22.17	43.11	10.14	9.85	6.50	41.05	40.27	2.00	
12/10/2024	Average	20.14	1.13	1.48	198.67	116.34	6.45	19.49	21.01	1.52	15.49	6.56	9.62	6.40	0.37	0.36	0.00	Off/Preheat
	Min	16.56	0.00	0.00	122.54	35.80	5.74	14.36	15.58	0.41	8.70	6.50	9.29	6.38	0.00	0.00	0.00	
	Max	20.42	75.83	61.64	313.55	356.92	6.69	23.14	24.79	2.76	18.00	6.69	9.71	6.40	14.70	14.95	0.00	
12/11/2024	Average	13.24	4.44	34.91	669.11	891.64	5.17	24.07	36.74	12.67	29.03	5.69	6.22	6.57	34.89	34.27	0.76	Preheat/Shutdown/Off/Preheat/Normal(ON)
	Min	9.17	0.00	0.00	313.52	323.47	4.94	11.67	14.22	0.99	8.91	0.00	0.00	6.40	2.42	2.42	0.00	
	Max	20.39	95.02	125.30	1006.20	1110.76	5.76	39.45	53.82	28.29	43.10	9.30	9.28	6.80	41.00	40.43	2.00	
12/12/2024	Average	12.93	3.01	61.74	1029.90	1055.78	5.05	34.18	52.08	17.91	41.87	7.30	8.41	6.41	39.37	38.14	1.90	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.35	0.00	0.00	915.02	570.62	4.97	28.89	34.29	0.94	18.13	7.10	8.10	6.40	16.19	15.67	1.00	
	Max	20.37	442.76	184.66	1134.03	1230.96	6.01	38.41	55.88	20.82	46.11	8.26	8.75	6.50	40.91	39.57	2.00	
12/13/2024	Average	13.25	0.52	45.36	992.83	1014.29	5.13	36.63	51.26	14.63	38.97	8.30	8.78	6.55	36.53	36.29	1.32	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.63	0.00	0.00	738.45	425.43	4.72	24.27	27.64	-0.12	8.08	7.07	8.29	6.32	5.86	5.79	0.00	
	Max	20.37	27.94	171.63	1058.35	1102.13	6.07	47.56	59.60	20.14	48.04	11.04	9.92	6.70	40.44	40.60	2.00	
12/14/2024	Average	13.46	0.62	52.10	940.18	978.82	5.33	42.53	50.88	8.35	41.32	9.43	9.05	6.46	35.15	34.29	0.78	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.64	0.00	0.00	588.89	286.92	4.81	17.66	20.96	-0.45	6.76	7.28	8.41	6.32	0.99	0.97	0.00	
	Max	20.37	89.10	224.94	1077.95	1091.78	7.07	57.07	61.85	19.07	53.60	12.06	10.22	6.53	41.94	40.37	2.00	
12/15/2024	Average	13.28	4.97	41.37	998.94	1028.53	5.27	44.44	54.95	10.51	43.49	9.59	8.78	6.48	35.67	37.06	1.19	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.21	0.00	-1.10	552.82	507.60	5.00	23.09	21.88	-7.20	6.31	7.50	7.80	6.39	0.99	0.97	0.00	
	Max	20.37	192.72	140.87	1139.44	1115.84	7.16	57.38	68.33	20.99	54.85	12.47	11.09	6.59	39.99	40.81	2.00	
12/16/2024	Average	19.18	15.40	10.42	439.81	329.25	6.85	23.69	25.33	1.63	19.33	10.71	8.38	6.56	5.98	6.24	0.10	Preheat/Shutdown/Off
	Min	8.49	0.00	0.00	208.44	66.98	5.37	15.66	17.23	-0.39	9.03	9.07	6.82	6.07	0.01	0.00	0.00	
	Max	20.41	904.50	100.10	916.31	1061.98	7.70	65.35	80.56	24.91	64.02	11.55	9.49	6.63	39.66	39.52	1.00	
12/17/2024	Average	20.25	0.00	0.00	135.60	74.72	6.84	20.07	20.67	0.60	17.46	8.00	6.48	6.59	0.03	0.00	0.00	Off
	Min	20.07	0.00	0.00	88.16	51.11	6.71	18.50	19.44	-0.05	15.91	0.00	0.00	6.50	0.00	0.00	0.00	
	Max	20.42	0.00	0.00	208.30	113.70	6.90	21.97	22.16	1.35	18.79	11.40	9.10	6.60	0.08	0.00	0.00	
12/18/2024	Average	20.18	7.71	0.90	186.44	337.00	6.15	18.99	26.39	7.39	21.47	10.96	8.79	6.61	12.28	12.19	0.24	Off/Preheat/Normal(ON)
	Min	20.00	0.00	-4.40	58.93	37.23	4.94	15.21	20.00	0.23	15.09	6.57	7.28	6.50	0.01	0.00	0.00	
	Max	20.40	34.10	11.00	717.20	1062.93	6.75	20.66	47.29	28.31	33.11	12.08	9.47	6.90	40.40	40.40	1.00	



December 2024 Incineration Averages Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QuenchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
12/19/2024	Average	15.26	6.63	34.73	894.07	1049.21	5.00	26.16	47.77	21.62	35.13	8.51	8.16	6.57	39.96	39.35	1.98	Normal(ON)/Shutdown/Off/Preheat
	Min	10.18	0.00	-2.20	717.50	591.81	5.00	17.35	40.46	17.71	24.55	6.47	7.13	6.50	26.87	25.87	1.00	
	Max	20.37	303.76	236.82	1036.24	1127.90	5.14	31.06	50.28	28.15	38.20	10.40	8.78	6.90	40.90	40.47	3.00	
12/20/2024	Average	12.99	0.99	44.92	997.56	1040.28	5.02	26.99	43.68	16.68	31.51	8.73	8.05	6.54	38.51	37.95	1.65	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	9.11	0.00	0.00	692.59	536.22	4.98	17.45	37.08	8.53	19.51	7.61	7.70	6.41	20.27	20.21	0.00	
	Max	20.37	443.30	201.32	1083.35	1112.60	5.29	32.59	48.33	23.09	35.00	10.80	8.55	6.84	40.59	40.17	2.00	
12/21/2024	Average	13.00	0.59	45.38	1022.40	1033.63	5.04	28.67	42.57	13.90	31.04	8.61	7.93	6.57	38.31	38.67	1.43	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.46	0.00	0.00	737.65	580.21	4.97	18.47	34.96	-0.04	19.06	7.72	7.68	6.50	21.20	21.50	0.00	
	Max	20.37	74.40	161.87	1115.16	1082.87	5.41	35.13	46.06	22.17	35.21	10.98	8.45	6.90	40.94	41.89	2.00	
12/22/2024	Average	12.28	1.58	58.21	943.94	1051.40	5.15	28.63	45.13	16.50	30.43	8.29	7.75	6.63	38.14	38.16	1.88	Preheat/Normal(ON)
	Min	8.16	0.00	0.00	659.31	512.68	4.80	23.89	31.86	-1.38	11.90	7.64	7.35	6.47	18.42	18.76	0.00	
	Max	20.33	602.47	195.35	1039.79	1174.03	5.47	36.97	52.30	20.78	39.18	10.78	8.17	6.90	40.53	40.60	4.00	
12/23/2024	Average	13.35	3.99	43.89	971.02	1032.51	5.12	31.00	47.35	16.35	33.37	8.06	7.72	6.51	39.16	38.26	3.81	Normal(ON)/Shutdown/Off/Preheat/Normal(ON)
	Min	7.58	0.00	-17.60	-17.78	-17.78	0.00	-17.78	-17.78	-11.86	-17.78	0.00	0.00	0.00	0.00	0.00	0.00	
	Max	20.37	696.00	174.52	1096.70	1185.33	5.51	38.89	50.93	23.28	38.22	9.45	8.43	6.80	41.01	40.10	7.00	
12/24/2024	Average	13.44	1.12	34.80	1048.36	1047.40	5.01	29.02	46.09	17.08	32.40	7.86	8.05	6.42	39.25	38.95	4.45	Normal(ON)/Shutdown/Off/Preheat
	Min	9.84	0.00	0.00	820.46	556.33	5.00	20.97	38.24	1.04	20.70	7.26	7.65	6.40	22.23	22.19	2.00	
	Max	20.37	677.57	139.33	1136.68	1185.56	5.27	37.20	48.52	23.19	35.31	9.34	9.34	6.51	39.95	40.17	8.00	
12/25/2024	Average	13.47	1.26	47.18	950.29	1021.72	5.06	29.02	45.43	16.41	30.24	8.02	7.99	6.44	36.91	35.72	2.48	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	8.62	0.00	-1.10	710.42	497.89	5.00	17.87	33.12	-12.54	16.34	7.58	7.57	6.40	15.05	14.56	0.00	
	Max	20.33	144.51	187.24	1047.12	1099.67	5.40	45.80	49.45	29.43	34.51	9.74	9.61	6.80	44.99	39.90	4.00	
12/26/2024	Average	13.52	0.08	38.37	983.57	1024.87	5.06	29.37	46.56	17.19	31.35	8.12	7.78	6.46	36.95	36.89	3.32	Preheat/Normal(ON)/Shutdown/Off/Preheat
	Min	9.27	0.00	0.00	667.88	508.70	4.99	19.87	31.62	-21.44	15.82	6.70	7.45	6.40	9.96	9.91	0.00	
	Max	20.37	34.10	121.85	1089.13	1109.61	5.60	53.16	49.62	26.51	37.05	8.78	10.70	6.82	40.45	40.30	6.00	
12/27/2024	Average	12.48	0.05	48.98	971.63	1057.74	5.03	28.86	46.96	18.10	32.46	8.01	7.71	6.43	38.89	38.30	3.28	Preheat/Normal(ON)/Shutdown/Off
	Min	8.55	0.00	10.74	619.47	976.68	5.00	19.16	32.23	-20.44	15.86	7.65	7.53	6.40	10.31	10.11	0.00	
	Max	15.40	42.39	144.84	1086.79	1108.34	5.59	52.67	49.81	27.07	36.83	8.76	7.98	6.63	40.58	39.98	6.00	
12/28/2024	Average	12.30	0.06	51.52	967.41	1031.34	5.40	30.85	47.85	17.00	33.26	7.97	7.67	6.51	37.33	36.82	2.87	Off/Preheat/Normal(ON)/Shutdown
	Min	10.17	0.00	9.02	679.36	518.78	5.00	19.00	37.70	-5.10	21.66	7.32	7.44	6.40	19.24	18.52	0.00	
	Max	14.33	67.52	173.61	1073.63	1087.36	5.84	42.87	51.89	26.78	37.96	8.46	7.87	6.74	40.28	40.16	6.00	
12/29/2024	Average	19.99	0.00	0.68	452.49	267.25	6.30	21.17	22.29	1.11	12.86	9.43	8.56	6.51	4.23	4.13	0.49	Shutdown/Off
	Min	13.96	0.00	0.00	203.97	104.76	5.15	17.22	17.89	-16.35	8.32	8.03	7.73	6.44	0.09	0.00	0.00	
	Max	20.41	0.00	24.48	1057.35	1061.32	6.70	41.56	47.74	25.55	33.17	9.60	8.62	6.59	40.07	40.11	5.00	
12/30/2024	Average	20.25	0.00	0.00	130.50	64.61	6.80	37.32	33.73	-3.59	18.83	9.35	8.60	6.50	0.06	0.00	0.00	Off
	Min	20.07	0.00	0.00	84.72	45.00	6.70	17.47	18.17	-27.50	11.96	9.29	8.60	6.50	0.01	0.00	0.00	
	Max	20.42	0.00	0.00	203.83	104.64	7.00	57.11	51.59	13.31	23.79	9.48	8.60	6.50	0.10	0.00	0.00	
12/31/2024	Average	19.17	0.04	2.86	79.85	115.36	6.89	50.33	24.47	-25.86	12.25	9.34	8.57	6.51	1.85	1.81	0.00	Off/Preheat
	Min	9.03	0.00	0.00	51.06	24.23	5.29	20.14	19.22	-29.65	7.46	8.31	7.90	6.49	0.03	0.00	0.00	
	Max	20.40	34.50	30.99	370.25	918.37	7.02	57.04	43.72	23.58	25.43	9.40	8.61	6.77	33.83	34.18	0.00	

Carbon Monoxide > 8ppm 4 hour alarm



Carbon Monoxide > 8ppm 4 hour alarm

	Start	Stop		Op.	Stack CO	Stack CO		Actions
Date	Time	Time	Duration	Mode	@ 11% O2	as mg/m ³	Explanation	Taken
12/4/2024	19:30	0:00	04:30	Normal	8.8	10.2	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
12/5/2024	04:30	9:00	04:30	Normal	10.9	12.6	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. No waste was fed until the CO level returned to the normal operating range.
12/8/2024	19:30	22:00	02:30	Shutdown	12.9	14.9	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. The incinerator was brought to a controlled shutdown.
12/23/2024	09:30	13:00	03:30	Shutdown	12.3	14.2	CO spike occurred during the cycling of the internal rams.	The operator monitored the CO level. The incinerator was brought to a controlled shutdown.

Secondary Chamber Temperature < 1000°C

Date	Start Time	Stop Time	Duration	Op. Mode	Temp. °C	Explanation	Actions Taken
12/11/2024	5:08	7:15	02:07	Shutdown	804	Low upper chamber temperatures were the result of an incorrect flame port air setting.	The flame port air set point was corrected. No waste was fed and the incinerator was brought to a controlled shutdown.
12/16/2024	1:16	3:04	01:48	Shutdown	735	Due to high demister and carbon bed temperatures the incinerator was switched from preheat to shutdown prompting a low upper chamber temperature alarm.	The incinerator was brought to a controlled shutdown.

Differential from Demister < 10 C



Differential from Demister < 10°C

	Start	Stop		Op.	Differential Temp		Actions
Date	Time	Time	Duration	Mode	Outlet °C	Explanation	Taken
12/14/2024	7:31	13:12	05:41	Normal	7.5	Low differential temperature was caused by a malfunction of the cooling tower.	Maintenance corrected the cooling tower malfunction. The differential temperature was monitored until it returned to the normal operating range.
12/14/2024	13:36	18:17	04:41	Shutdown	7.9	Low differential temperature was caused by a malfunction of the cooling tower.	Maintenance corrected the cooling tower malfunction. The differential temperature was monitored until it returned to the normal operating range.
12/16/2024	0:55	4:02	03:07	Shutdown	2.4	Low differential temperature was caused by a malfunction of the cooling tower.	The incinerator was brought to a controlled shutdown to prevent overheating.