2021 Q1
Incineration Report

Stericycle, ULC
95 Deerhurst Drive
Brampton, ON
L6T 5R7
Tel.: (905) 789-6008
Fax: (905) 789-5549

April 27, 2021

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

Dear District Manger,

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 first quarter of 2021.

During January 2021 there were 13 occurrences of the 4-hour CO alarm & 0 occurrences of the 12-hour CO alarm. In February 2021 there were 11 occurrences of the 4-hour CO alarm and 0 occurrences of the 12-hour CO alarm. In March 2021 there were 19 occurrences of the 4-hour CO alarm and 2 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 2 occurrences of the 24-hour NOX alarm triggered in Q1 of 2021. It is worth noting that neither occurrence exceeded the threshold of 187mg/m3 as outlined in condition 44.1(a) in the above referenced ECA.

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

FIRST QUARTER 2021
INCINERATOR QUARTERLY REPORT - SUPPLEMENTAL INFORMATION

- The Emergency Bypass stack was not used during Q1 2021.

- 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 first quarter of 2021, the incinerator was run by trained Stericycle operators Emilio Perez, Gyasi Krobea, Said M. Said & John Amissiah.

- There were no complaints received regarding the operation of the incinerator during the first quarter of 2021.

- Stericycle Inc. operated the incinerator on the following days during the fourth quarter:

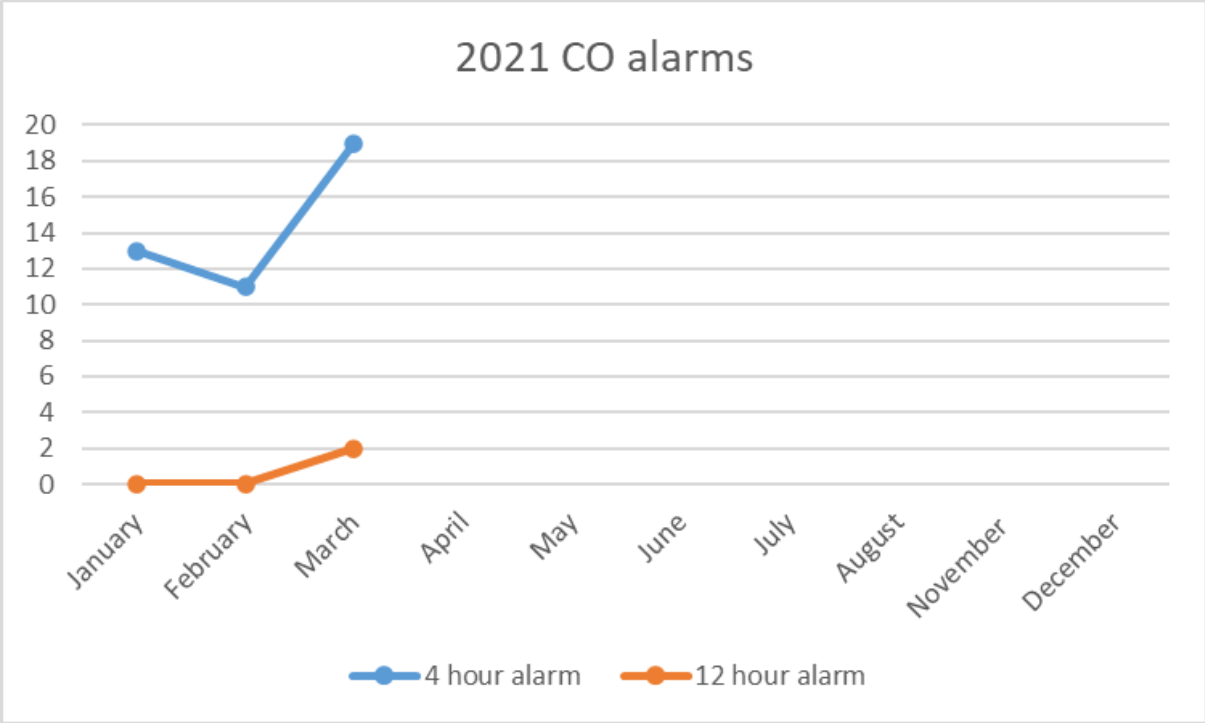
Start-up	Shut Down
01/01/2021 @ 01:33	01/12/2021 @ 17:57
01/12/2021 @ 21:59	01/13/2021 @ 01:11
01/13/2021 @ 03:01	02/10/201 @ 08:31
02/11/2021 @ 06:37	03/04/2021 @ 22:03
03/14/2021 @ 03:43	03/18/2021 @ 14:28
03/18/2021 @ 18:32	03/25/2021 @ 11:17
03/25/2021 @ 15:35	

During Q1 of 2021 routine maintenance was performed on the incinerator during the scheduled shutdowns.

- Rebuilding and re-lining of the ash skirt transition between the primary chamber and the ash quench pit.
- Replacement of the screens in the carbon bed.

CO Alarm Chart Q1 2021

Month	4 Hour CO average alarms	12 Hour CO average alarms
January	13	0
February	11	0
March	19	2
April		
May		
June		
July		
August		
September		
October		
November		
December		



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 Q1 of 2021.

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 ensure full compliance at all times. 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 MECP 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
ESH Specialist
Phone: 905-595-8532
Email: dkokol@stericycle.com

Stericycle

January 2021 Incinerator Averages Temperatures and Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp	IDFanTemp°C	QunchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
1/1/2021	Average	12.1	7.8	48.0	869.4	1877.2	1025.1	6.5	30.9	45.3	14.4	36.9	7.9	6.8	6.9	35.4	34.4	0.0	Start-up/Normal(ON)
	Min	5.7	0.0	-21.7	679.0	1252.2	677.9	5.9	23.8	17.0	-31.5	2.6	7.4	6.6	6.9	0.1	0.0	0.0	
	Max	20.4	700.1	120.2	964.2	2050.0	1121.1	10.3	51.6	60.4	24.3	53.1	8.4	6.9	7.0	42.8	41.2	0.0	
1/2/2021	Average	12.1	1.9	52.5	883.6	1944.1	1062.3	10.6	49.3	55.4	6.2	52.5	7.7	6.8	6.9	40.7	39.8	0.0	Normal(ON)
	Min	8.4	0.0	29.4	707.0	1920.6	1049.2	9.8	41.4	50.2	3.6	47.2	7.5	6.8	6.8	39.6	39.0	0.0	
	Max	14.1	85.5	353.0	990.4	1959.3	1070.7	11.2	55.9	60.2	17.1	55.9	8.1	6.8	7.0	41.6	40.9	0.0	
1/3/2021	Average	11.5	4.0	77.4	945.7	1951.5	1066.4	6.4	30.5	49.4	18.9	42.0	7.8	6.8	6.9	40.9	40.5	0.0	Normal(ON)
	Min	9.9	1.2	33.0	904.9	1932.6	1055.9	6.0	23.3	46.2	4.4	39.4	7.5	6.8	6.8	39.6	39.0	0.0	
	Max	12.8	492.9	175.3	1008.9	1998.4	1092.4	11.1	53.9	58.3	25.0	54.6	8.2	6.8	6.9	41.2	40.9	0.0	
1/4/2021	Average	10.8	3.0	71.6	960.3	1948.0	1064.4	6.0	22.9	46.4	23.5	40.0	7.7	6.8	6.9	40.9	41.0	0.0	Normal(ON)
	Min	8.3	0.0	34.4	897.3	1935.5	1057.5	6.0	19.7	44.5	21.1	38.2	7.1	6.8	6.9	40.8	40.8	0.0	
	Max	12.4	472.9	177.1	1010.1	1971.2	1077.3	6.0	28.1	49.2	24.9	42.7	8.4	6.8	6.9	41.0	41.1	0.0	
1/5/2021	Average	11.2	1.0	77.9	927.8	1947.2	1064.0	6.0	25.1	47.1	22.0	41.3	7.8	6.8	6.9	40.9	40.8	0.0	Normal(ON)
	Min	8.4	0.0	40.7	833.8	1925.3	1051.9	6.0	18.9	40.0	16.3	38.9	7.3	6.8	6.9	40.8	40.4	0.0	
	Max	13.4	410.4	294.4	1019.1	1975.1	1079.5	6.0	34.1	50.6	27.3	45.3	8.4	6.8	6.9	41.1	41.1	0.0	
1/6/2021	Average	11.4	1.5	101.3	924.4	1954.0	1067.8	6.0	31.8	50.6	18.7	43.8	7.6	6.8	6.9	40.9	40.8	0.2	Normal(ON)
	Min	8.4	0.0	0.4	850.5	1888.5	1031.4	6.0	28.2	50.3	14.3	42.8	7.2	6.7	6.9	40.8	40.5	0.0	
	Max	12.2	635.4	338.6	978.1	2028.1	1109.0	6.0	36.5	50.8	22.2	45.9	8.2	6.8	6.9	41.0	41.0	1.0	
1/7/2021	Average	11.0	4.4	74.5	945.3	1951.9	1066.6	6.0	31.8	50.2	18.4	43.3	7.5	6.7	6.9	41.0	40.8	1.0	Normal(ON)
	Min	6.7	0.0	25.5	860.8	1936.5	1058.0	6.0	25.5	48.8	14.6	41.0	7.3	6.7	6.9	40.8	40.5	1.0	
	Max	12.8	436.5	368.4	1058.9	2079.6	1137.5	6.0	36.1	50.8	23.3	45.8	7.8	6.8	6.9	41.1	41.1	1.0	
1/8/2021	Average	11.8	3.5	52.3	947.9	1944.7	1062.6	6.0	30.9	49.9	19.0	42.8	7.6	6.8	6.9	40.9	41.0	0.5	Normal(ON)
	Min	9.6	0.1	22.0	738.3	1877.0	1025.0	6.0	26.5	48.3	15.3	41.2	7.1	6.7	6.9	40.8	40.8	0.0	
	Max	14.3	722.8	111.3	1072.3	1965.0	1073.9	6.0	35.3	50.6	23.1	45.0	8.3	6.8	6.9	41.1	41.1	1.0	
1/9/2021	Average	11.5	1.0	43.1	986.8	1950.2	1065.7	6.0	31.2	50.3	19.1	43.5	6.4	6.7	6.8	41.2	41.1	0.0	Normal(ON)
	Min	8.4	0.0	0.1	813.6	1938.8	1059.3	6.0	26.1	49.5	16.3	42.1	0.2	6.6	6.2	40.8	40.9	0.0	
	Max	13.4	49.9	359.5	1031.0	1967.0	1075.0	6.0	34.0	50.8	24.7	44.4	7.9	6.8	6.9	42.0	41.7	0.0	
1/10/2021	Average	11.5	1.3	60.4	951.8	1960.3	1071.3	6.0	32.6	50.4	17.8	43.8	7.2	6.8	6.8	42.1	41.7	0.3	Normal(ON)
	Min	7.3	0.0	0.3	881.4	1940.6	1060.3	6.0	30.2	50.3	12.3	42.3	7.1	6.7	6.1	41.9	41.6	0.0	
	Max	12.5	42.4	122.1	1016.2	2104.5	1151.4	6.0	38.5	50.8	20.2	45.8	7.3	6.8	6.9	42.3	41.9	1.0	
1/11/2021	Average	11.4	3.6	52.2	968.3	1953.4	1067.4	6.0	31.4	49.9	18.5	43.5	7.1	6.7	6.9	42.2	41.7	1.4	Normal(ON)
	Min	9.0	0.0	16.6	890.9	1936.2	1057.9	6.0	23.0	47.0	16.2	39.6	7.0	6.7	6.9	42.0	41.6	0.0	
	Max	12.6	675.5	327.9	1019.8	2032.6	1111.4	6.0	34.1	50.5	24.0	44.9	7.1	6.8	6.9	42.4	41.9	3.0	
1/12/2021	Average	12.3	6.9	49.5	963.0	1946.1	1063.4	6.0	29.2	49.6	20.4	41.2	7.0	6.8	6.9	42.3	41.7	1.6	Normal(ON)/Shut-down/Start-up
	Min	10.1	0.0	0.0	729.8	1500.4	815.8	6.0	25.0	48.1	14.4	39.5	6.9	6.7	6.9	42.2	41.3	0.0	
	Max	20.0	1505.9	162.8	1050.6	2006.6	1097.0	6.0	35.9	50.4	23.3	44.6	7.1	6.9	6.9	42.5	41.9	4.0	
1/13/2021	Average	20.1	197.4	4.6	347.9	369.7	187.6	5.9	46.3	22.1	-24.2	15.0	6.8	6.9	7.0	5.5	5.3	0.0	Start-up/Off
	Min	20.0	0.0	-3.3	129.4	140.2	60.1	5.6	22.5	16.2	-49.1	4.7	6.8	6.8	6.9	0.1	0.0	0.0	
	Max	20.4	4116.2	158.4	729.6	1483.2	806.2	6.4	68.4	48.3	23.5	40.3	7.0	7.0	7.0	42.3	41.6	0.0	
1/14/2021	Average	20.2	3.0	0.1	90.6	122.3	50.1	5.4	31.5	17.5	-14.0	13.1	6.8	6.8	7.0	0.1	0.0	0.0	Off/Start-up
	Min	20.0	0.0	-3.3	49.6	101.3	38.5	5.2	22.5	15.0	-49.1	4.7	6.8	6.8	6.9	0.1	0.0	0.0	
	Max	20.4	4116.2	158.4	729.6	1483.2	806.2	6.4	68.4	48.3	23.5	40.3	7.0	7.0	7.0	42.3	41.6	0.0	
1/15/2021	Average	12.8	1.2	34.4	626.9	1788.5	975.8	6.1	30.5	38.1	7.7	33.9	6.9	6.9	6.9	40.1	39.5	0.0	Start-up/Normal(ON)
	Min	8.8	0.0	-1.1	284.3	1272.6	689.2	6.0	23.0	21.2	-2.6	14.3	6.9	6.8	6.9	2.8	2.4	0.0	
	Max	20.0	208.2	95.0	1038.0	1957.5	1069.7	6.7	36.4	50.4	20.0	43.3	7.1	7.1	7.0	42.4	42.0	0.0	
1/16/2021	Average	11.2	2.0	49.7	1056.9	1950.0	1065.5	6.0	27.6	48.8	21.2	41.1	7.3	6.9	6.1	42.2	41.9	0.0	Normal(ON)
	Min	9.3	0.0	17.0	1017.5	1936.0	1057.8	6.0	23.9	47.3	15.2	39.8	7.1	6.8	5.5	42.0	41.6	0.0	
	Max	12.7	612.1	129.1	1097.6	2086.1	1141.2	6.0	34.8	50.0	23.4	42.9	7.5	7.1	6.9	42.3	42.1	0.0	
1/17/2021	Average	11.6	2.9	66.1	1100.1	1947.1	1064.0	6.0	29.1	49.6	20.5	43.1	7.0	6.7	5.5	42.3	41.8	0.4	Normal(ON)
	Min	10.0	0.0	26.4	1040.7	1934.0	1056.7	6.0	27.7	49.3	18.7	42.6	6.9	6.7	5.5	42.1	41.6	0.0	
	Max	14.3	580.6	156.8	1153.2	2006.8	1097.1	6.0	31.0	49.8	21.6	43.5	7.3	6.9	5.6	42.4	41.9	1.0	
1/18/2021	Average	11.8	3.7	77.6	1057.7	1945.2	1062.9	6.0	28.2	49.0	20.8	42.2	7.0	6.7	5.5	40.9	41.9	1.5	Normal(ON)
	Min	8.5	0.0	34.0	933.2	1931.7	1055.4	6.0	26.0	48.1	19.0	41.1	7.0	6.7	5.1	34.3	41.6	1.0	
	Max	14.2	538.1	169.9	1139.8	1969.8	1076.6	6.0	30.4	49.5	22.2	43.0	7.0	6.7	6.0	42.6	42.2	2.0	
1/19/2021	Average	12.2	1.3	91.2	1077.5	1951.7	1066.5	6.0	30.1	49.1	18.9	42.2	7.2	6.7	6.0	41.8	42.1	1.3	Normal(ON)
	Min	10.5	0.0	41.6	959.8	1936.8	1058.2	6.0	24.3	47.1	15.1	38.0	6.9	6.7	5.2	41.6	41.8	0.0	
	Max	14.4	561.3	181.3	1179.9	2099.4	1148.5	6.0	34.5	49.7	22.8	44.1	8.0	6.8	7.4	42.0	42.3	4.0	
1/20/2021	Average	11.9	1.6	60.9	1021.7	1950.5	1065.8	6.0	31.4	49.4	18.0	42.0	7.5	6.7	7.4	41.7	42.1	0.0	Normal(ON)
	Min	7.9	0.0	20.0	921.6	1936.9	1058.3	6.0	26.6	48.8	15.1	40.6	7.3	6.7	7.3	41.6	42.0	0.0	
	Max	13.7	548.3	335.8	1075.8	1974.4	1079.1	6.0	34.6	49.7	22.2	43.0	7.8	6.7	7.5	42.0	42.2	0.0	
1/21/2021	Average	11.3	2.7	67.7	1004.8	1953.4	1067.5	6.0	28.1	48.6	20.5	41.7	7.3	6.7	7.4	41.6	42.0	0.0	Normal(ON)
	Min	9.4	0.0	18.9	900.7	1937.4	1058.5	6.0	23.7	46.8	17.7	39.7	4.5	6.7	7.3	41.4	41.9	0.0	
	Max	12.8	682.9	218.0	1077.1	2087.5	1142.0	6.0	31.8	49.7	23.1	43.7	8.1	6.8	7.5	41.7	42.1	0.0	
1/22/2021	Average	11.8	3.5	71.5	932.4	1943.6	1062.0	6.0	25.9	47.8	21.9	40.8	6.3	6.7	7.4	41.6	42.1	0.1	Normal(ON)
	Min	9.2	0.0	37.4	661.3	1897.6	1036.4	6.0	24.0	46.9	17.8	39.8	3.5	6.7	7.1	41.3	41.7	0.0	
	Max	14.3	641.7	138.6	1124.6	1971.8	1077.7	6.0	31.8	49.6	23.1	43.2	8.1	6.8	8.4	42.6	43.2	1.0	

Stericycle

January 2021 Incinerator Averages Temperatures and Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp	IDFanTemp°C	QunchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
1/23/2021	Average	12.2	2.7	83.3	1094.8	1952.2	1066.8	6.0	34.6	49.6	15.1	43.6	7.5	6.7	7.4	41.7	42.2	1.4	Normal(ON)
	Min	8.0	0.0	40.3	1040.4	1936.8	1058.2	6.0	30.8	49.1	12.3	41.8	7.3	6.7	7.1	41.4	41.8	1.0	
	Max	14.8	713.1	349.8	1149.6	2016.7	1102.6	6.0	37.5	49.8	18.3	44.5	8.1	6.7	8.4	42.6	43.2	3.0	
1/24/2021	Average	11.3	3.2	67.2	1079.9	1946.0	1063.3	6.0	29.1	49.0	19.9	41.0	7.1	6.7	7.1	41.6	42.0	0.1	Normal(ON)
	Min	8.3	0.0	20.7	1010.6	1900.0	1037.8	6.0	24.4	46.8	14.8	38.8	2.1	6.7	7.0	41.4	41.8	0.0	
	Max	14.5	554.6	336.7	1141.3	1990.7	1088.2	6.0	34.9	49.6	22.5	42.1	9.7	6.8	7.4	41.7	42.2	2.0	
1/25/2021	Average	11.0	2.8	78.8	1026.0	1947.3	1064.1	6.0	26.3	47.9	21.5	41.1	9.7	6.8	7.4	41.6	41.9	0.0	Normal(ON)
	Min	8.0	0.0	39.7	962.4	1927.1	1052.8	6.0	23.4	46.4	19.4	39.6	9.7	6.7	7.3	41.4	41.6	0.0	
	Max	13.0	570.8	335.2	1084.2	2003.6	1095.4	6.0	29.8	49.3	23.0	42.7	9.7	6.8	7.6	41.8	42.1	0.0	
1/26/2021	Average	11.3	4.5	83.9	991.7	1954.4	1068.0	6.0	29.1	48.7	19.6	42.0	8.9	6.7	7.3	41.6	42.1	0.7	Normal(ON)
	Min	7.2	0.0	0.9	951.6	1936.0	1057.8	6.0	23.2	46.1	15.4	39.2	6.5	6.7	7.1	41.4	41.7	0.0	
	Max	12.6	617.2	357.7	1019.4	2116.3	1158.0	6.0	34.2	49.6	23.0	44.2	9.7	6.8	7.5	41.8	42.4	1.0	
1/27/2021	Average	11.4	4.1	64.1	993.1	1952.7	1067.0	6.0	31.8	49.4	17.6	43.3	7.0	6.7	7.8	41.7	42.4	1.0	Normal(ON)
	Min	8.9	0.0	1.2	961.1	1937.2	1058.4	6.0	27.1	48.3	14.1	41.3	6.4	6.7	5.8	41.5	41.9	1.0	
	Max	12.4	656.4	141.3	1030.9	2087.6	1142.0	6.0	35.7	50.0	21.4	44.7	8.1	6.7	12.0	42.2	43.0	1.0	
1/28/2021	Average	11.8	3.3	73.8	997.4	1952.8	1067.1	6.0	35.1	49.8	14.7	44.0	7.5	6.7	7.6	40.7	41.9	1.6	Normal(ON)
	Min	6.8	0.0	0.9	961.3	1933.8	1056.5	6.0	31.8	49.6	11.4	42.4	5.6	6.7	7.1	35.3	41.5	1.0	
	Max	14.8	576.4	147.7	1034.3	2032.4	1111.3	6.0	38.3	49.9	18.0	45.9	8.1	6.7	10.4	41.7	42.1	2.0	
1/29/2021	Average	11.6	3.1	65.6	1012.0	1957.7	1069.8	6.0	33.1	49.5	16.5	42.6	7.7	6.7	7.3	38.0	42.9	0.1	Normal(ON)
	Min	8.2	0.0	31.9	942.6	1937.7	1058.7	6.0	27.3	48.9	11.7	40.8	7.5	6.7	7.0	14.6	41.8	0.0	
	Max	13.0	552.9	350.6	1053.2	2147.4	1175.2	6.0	38.2	50.0	21.7	45.5	8.0	6.7	7.6	43.3	43.8	2.0	
1/30/2021	Average	11.3	2.3	58.0	1006.4	1948.6	1064.8	6.0	27.8	48.9	21.1	42.5	7.5	6.7	7.3	43.1	43.7	0.0	Normal(ON)
	Min	9.4	0.2	31.2	951.3	1936.0	1057.8	6.0	25.5	48.1	14.8	41.6	7.4	6.7	7.1	43.0	43.6	0.0	
	Max	12.8	560.3	128.0	1042.0	2068.0	1131.1	6.0	34.9	49.7	22.7	44.7	7.8	6.7	7.5	43.3	43.9	0.0	
1/31/2021	Average	11.0	4.5	74.3	1044.7	1967.4	1075.2	6.0	30.3	49.2	18.9	43.6	7.4	6.7	7.6	42.8	43.7	0.0	Normal(ON)
	Min	8.3	0.6	27.9	999.9	1938.3	1059.1	6.0	25.8	48.2	12.9	41.8	7.2	6.7	7.3	32.7	43.5	0.0	
	Max	12.6	621.2	168.9	1103.0	2188.8	1198.2	6.0	37.3	50.1	22.4	46.9	7.6	6.7	7.7	43.4	43.9	0.0	

Stericycle

January 2021 CEM Cal Log

TheDate	COSpanRes	CO Calgas	COSpan%Drift	NOxSpanRes	NOX Calgas	NOxSpan%drift	O2SpanRes	O2 Calgas	O2SpanDrift	COZeroRes	COZero%Drift	NOxZeroRes	NOxZero%Drift	O2ZeroRes	O2 Zerogas	O2ZeroDrift	Comment
1/2/2021 2:12	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/2/2021 2:15	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
1/2/2021 2:20	0	88.1	0	743	776	3.3	0	8.08	0	0	0	0	0	0	0	0	
1/5/2021 23:29	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/5/2021 23:32	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/5/2021 23:38	0	88.1	0	750	776	2.6	0	8.08	0	0	0	0	0	0	0	0	
1/6/2021 21:27	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/6/2021 21:31	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/6/2021 21:35	0	88.1	0	731	776	4.5	0	8.08	0	0	0	0	0	0	0	0	
1/6/2021 22:47	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/6/2021 22:50	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/6/2021 22:56	0	88.1	0	722	776	5.4	0	8.08	0	0	0	0	0	0	0	0	
1/7/2021 23:15	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/7/2021 23:18	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/7/2021 23:24	0	88.1	0	780	776	0.4	0	8.08	0	0	0	0	0	0	0	0	
1/9/2021 23:23	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/9/2021 23:26	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/9/2021 23:31	0	88.1	0	756	776	2	0	8.08	0	0	0	0	0	0	0	0	
1/10/2021 23:46	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/11/2021 0:00	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/11/2021 0:03	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/11/2021 0:08	0	88.1	0	778	776	0.2	0	8.08	0	0	0	0	0	0	0	0	
1/20/2021 23:36	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/20/2021 23:40	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
1/20/2021 23:45	0	88.1	0	710	776	6.6	0	8.08	0	0	0	0	0	0	0	0	
1/23/2021 23:46	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/23/2021 23:50	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/23/2021 23:55	0	88.1	0	736	776	4	0	8.08	0	0	0	0	0	0	0	0	
1/24/2021 23:16	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/24/2021 23:20	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
1/24/2021 23:25	0	88.1	0	709	776	6.7	0	8.08	0	0	0	0	0	0	0	0	
1/25/2021 21:32	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/25/2021 21:35	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
1/25/2021 21:40	0	88.1	0	730	776	4.6	0	8.08	0	0	0	0	0	0	0	0	
1/26/2021 15:14	0	88.1	0	0	776	0	0	8.08	0	1	0.3333333	1	0.1	0	0	0	
1/26/2021 15:17	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/26/2021 15:21	0	88.1	0	762	776	1.4	0	8.08	0	0	0	0	0	0	0	0	
1/26/2021 15:25	0	88.1	0	0	776	0	8	8.08	8.00E-02	0	0	0	0	0	0	0	
1/27/2021 8:01	0	88.1	0	0	776	0	0	8.08	0	0	0	1	0.1	-0.1	0	0.1	
1/27/2021 8:05	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/27/2021 8:09	0	88.1	0	729	776	4.7	0	8.08	0	0	0	0	0	0	0	0	
1/27/2021 8:13	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
1/28/2021 23:53	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/28/2021 23:57	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
1/29/2021 0:02	0	88.1	0	756	776	2	0	8.08	0	0	0	0	0	0	0	0	
1/29/2021 23:26	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
1/29/2021 23:30	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
1/29/2021 23:33	0	88.1	0	743	776	3.3	0	8.08	0	0	0	0	0	0	0	0	

Stericycle

January 2021 Incineration Feed Data

TheDate	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	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
1/1/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	331.9	611.8	450	460.6	326	544.6	454	475.6	475.8	473.8	501.8	5105.9	
1/2/2021	0	0	0	0	0	290.6	546.1	0	546.1	466	455.5	456.4	475.5	455.3	456	546.1	528.4	0	0	0	0	670	603	0	6495.0	
1/3/2021	0	0	0	670	670	670	670	596.7	663.5	200	0	528.4	521.5	670	0	670	0	670	0	357.3	8	11.2	550.4	527.1	8654.1	
1/4/2021	551.6	543.6	46.2	504.7	111.2	56.6	110.2	340.4	445	389.2	454.5	455.6	465.2	454.8	546.1	528.4	328.3	328.3	328.3	328.3	328.3	328.3	438.5	328.3	8739.9	
1/5/2021	546.1	198.8	18.8	0	22.2	356.2	0	0	0	0	0	22.9	473.9	497.1	508.3	501.5	478.8	464.3	556.3	454.8	451.6	450.9	528.4	293.6	6824.5	
1/6/2021	484.7	461.7	461.3	438	546.1	274.8	407.2	479.8	461.6	477	472.9	489.2	404.6	482.7	467.3	494	476.2	499	438.6	452.6	485.6	0	345.1	0	10000.0	
1/7/2021	575.2	628.4	544.4	504.7	356.6	460.8	364.2	456.2	454.3	450.3	451.4	502.4	402.4	455.1	455.3	446.8	451.6	454.8	124.6	520.5	517	0	357	0	9934.0	
1/8/2021	472.6	21.8	0	0	0	269.9	0	0	0	301.7	455	453.8	501.5	502.6	503.2	458.6	511.7	506.2	300.1	515.4	542.3	527.4	556.5	514.2	7914.5	
1/9/2021	0	531.4	0	587.4	578.8	483.3	509.1	477.9	306.8	0	0	478.6	0	0	0	77.9	574.4	554.1	501.5	450.8	457.6	423	200.1	213	7405.7	
1/10/2021	551.9	559.9	150.7	519	557.4	11.1	575.8	458	480.9	473.2	0	462.1	455	462.6	0	506.4	526.7	506.1	503.2	451.9	452.2	455.6	452.4	0	9572.1	
1/11/2021	571.6	457.2	487.8	276.2	554.2	535.8	416.8	0	0	0	0	0	502.9	479.3	480.9	484.6	475.8	502.4	503.7	453.4	457	453.3	302.5	435.7	8831.1	
1/12/2021	0	194.5	242.2	0	342.4	20.3	0	452.8	454.6	241.8	0	455	450.4	454.5	453.6	451.4	0	0	0	0	0	0	0	0	4213.5	
1/13/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
1/14/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	
1/15/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	492.8	461.7	493.8	480.2	507.6	468.6	455.3	452.4	307	469.3	4588.7		
1/16/2021	575.6	639.6	319	422.1	369.1	380.2	248.8	452	456	453.5	452.6	451.2	455	453.4	451.6	445.8	462	449.6	148.8	454.2	459.5	460.7	458.5	81.2	10000.0	244719.7
1/17/2021	456.3	464.8	460.3	485.1	451.3	408.4	405.1	364.1	453	451.8	450.1	458.8	453.4	461.6	454.7	459.9	449.9	457.6	162.6	0	460.4	456.4	163.5	0	9289.1	
1/18/2021	453.2	454.3	0	412.1	81.3	0	0	290.4	0	325.2	458.8	453.4	460	498.6	503.2	499.6	495.2	560.5	435.9	201.7	306.8	62.7	451.9	463.3	7868.1	
1/19/2021	456.6	469.9	0	294.4	483.8	472.1	404.3	455.2	478.1	0	0	0	202.4	500.7	475.8	502.8	496	463.8	483.9	455.2	474.3	456.9	0	0	8026.2	
1/20/2021	0	0	316.2	0	0	459.3	445.6	472.6	490.1	516.4	512.5	519.4	501.3	503.6	517.6	506.7	505.7	531.2	541.9	506.9	510.4	504.4	501.6	0	9363.4	
1/21/2021	363.9	592.6	660.5	497	365.2	389.6	232.4	495.8	498.5	498	504.7	525	491.5	513	479.3	500.7	487.8	493.6	172.1	63.3	504.5	167.8	490.9	0	9987.7	
1/22/2021	0	0	0	0	0	0	0	157.9	13.4	510.7	507.7	501.2	525.4	500.1	498.4	498	510	503.2	255.1	336.8	342.4	30.6	202	514.1	6407.0	
1/23/2021	508.2	468.4	0	515.4	512.6	0	300.4	512.3	528.8	501.3	504.6	502.5	503.4	505.4	527.9	511.6	519.6	415.7	466.6	501.4	502	504.8	87.2	0	9900.1	
1/24/2021	507	507.4	89.6	356	279.3	402	170.1	504.5	537.7	503.2	506.2	516	520.3	187.8	502.4	502.2	506.1	100	503.9	504.5	527.1	500.9	513.8	0	9748.0	
1/25/2021	259.4	593.2	412.2	442.5	548.6	510.7	378.7	515.5	505	515.7	500.2	502	504.7	508.2	503.5	501.3	345.2	453	474.2	505.3	449.9	71	0	0	10000.0	
1/26/2021	458.2	477.8	464.4	250.3	468	471.1	230.7	430.4	66.2	496.8	403.4	497.9	499.3	492.1	495	0	105.6	496.2	233.8	0	0	98	506	503.1	8144.3	
1/27/2021	509.5	118.6	122.7	523.2	504.1	504.5	523.5	498	345.7	459.7	0	169	237.3	503.1	512.1	501.8	581.3	505	271.8	508.3	520.4	63.2	461.4	551.5	9495.7	
1/28/2021	510.6	236.4	166.9	473.1	506.6	145.8	305.1	519.7	508.7	341.6	522.4	512.6	503.6	520	500.6	509.6	377.9	211.8	529.9	524.9	500.8	401.5	275	0	9605.1	
1/29/2021	225.6	463.2	624.7	605.2	304.1	500.6	236.2	0	0	0	0	481	528.6	519.7	507.5	502.4	509.8	500.4	526.5	496.6	503.7	500.4	201.4	0	8737.6	
1/30/2021	482.9	474.8	426.6	531.3	469.3	543.1	267.6	493.6	498.9	504.2	495.7	499.6	500.4	495.2	504.1	504	494.9	503.7	156.2	310.8	335.4	31.5	403.4	0	9927.2	
1/31/2021	508.4	515.2	309.5	508.4	505.7	506.8	346.7	497.5	501.4	507.2	512	503.2	499.8	501.3	502.2	498.6	498.4	499.2	29.8	311.8	295.9	104.3	149.4	328.5	9941.2	

O2 6 minute average < 7.5

O2 < 7.5

	Start	Stop		Op.	Stack		Actions
Date	**Time**	**Time**	**Duration**	**Mode**	**O2 %**	**Explanation**	**Taken**
1/1/2021	19:50	19:53	0:03	Normal	7.2	After Calibration of Nox was complete the 02 levels appeared to be low while sample train was being reintroduced to analyzer	No waste was fed until the O2 & CO levels returned to the normal operating range.
1/1/2021	20:35	20:56	0:21	Normal	6.7	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.
1/1/2021	21:59	22:13	0:14	Normal	6.8	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.
1/7/2021	20:55	21:07	0:12	Normal	6.9	After Calibration of Nox was complete the 02 levels appeared to be low while sample train was being reintroduced to analyzer	No waste was fed until the O2 & CO levels returned to the normal operating range.
1/10/2021	23:49	23:52	0:03	Normal	7.4	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.
1/28/2021	8:50	8:53	0:03	Normal	7.0	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.

Carbon Monoxide > 8ppm 4 hour alarm

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Carbon Monoxide > 8ppm 4 hour alarm

Date	Start Time	Stop Time	Duration	Op. Mode	Stack CO @ 11% O2	Stack CO as mg/m^3	Explanation	Actions Taken
1/1/2021	21:00	2:00	5:00	Normal	14.7	17.0	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/3/2021	12:00	15:00	3:00	Normal	9.1	10.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/7/2021	21:00	2:00	5:00	Normal	9.8	11.3	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/11/2021	9:00	13:00	4:00	Normal	12.1	14.0	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/18/2021	5:00	6:00	1:00	Normal	9.7	11.2	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/22/2021	20:00	0:00	4:00	Normal	10.9	12.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/25/2021	19:00	22:00	3:00	Normal	10.1	11.7	CO spike caused by inconsitence feed rate.	No waste was fed during this time.
1/26/2021	11:00	15:00	4:00	Normal	10.7	12.3	CO spike caused by piles of waste falling over inside the primary chamber of the incinerator during the cycling of the internal ram.	No waste was fed during this time.

Carbon Monoxide > 8ppm 4 hour alarm

1/27/2021	1:00	4:00	3:00	Normal	9.2	10.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/27/2021	10:00	13:00	3:00	Normal	9.1	10.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/28/2021	2:00	4:00	2:00	Normal	8.4	9.7	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/30/2021	10:00	11:00	1:00	Normal	8.8	10.2	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/31/2021	12:00	13:00	1:00	Normal	8.5	9.8	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator

Oxides of Nitrogen > 98ppm 24 hr average

	Start	Stop		Op.	Stack NOx	Stack NOx		Actions
Date	Time	Time	Duration	Mode	@ 11% O2	as mg/m^3	Explanation	Taken
1/6/2021	21:00	2:00	5:00	Normal	100.5	180.9	Nozzle on the roof was clogged due to scale inside the system	Maintenance changed water flow through the ammonia nozzle to soft water. Maintenance also cleared the nozzle.
			0:00					

Quench pH out of Range (<6.4pH / >10.4pH)

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Quench pH out of Range (<6.4pH / >10.4pH)

	Start	Stop		Op.	Quench		Action
Date	Time	Time	Duration	Mode	pH	Explanation	Taken
1/9/2021	11:53	15:51	3:58	Normal	2.5	Caustic System lost prime from main line	Maintenance re primed the system
1/21/2021	22:43	10:15	11:32	Normal	4.4	Caustic System lost prime from main line	Maintenance re primed the system
1/24/2021	15:18	19:02	3:44	Normal	4	Low pH reading due to loss of flow over pH probe.	Maintenance trouble shot & corrected the flow issue.

Atomizer pH out of Range (<6.4pH / > 10.4pH)

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Atomizer pH out of Range (<6.4pH / > 10.4pH)

Date	Start	Stop	Duration	Op. Mode	Atomizer pH	Explanation	Action Taken
1/9/2021	20:47	1:13	4:26	Normal	6.2	Caustic System lost prime from main line	Maintenance re primed the system
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				

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Atomizer Amps < 36

Date	Start Time	Stop Time	Duration	Op. Mode	Atom. A amps	Atom. B amps	Explanation	Action Taken
			0:00:00					
1/29/2021	4:21:00	11:32:00	7:11:00	Normal	27.5	42.1	Atomizer A was shut-down in order to repair the lube oil line.	Maintenance repaired the lube oil line.
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					

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Carbon Bed Inlet Temperature <57C

	Start	Stop		Op.	Carbon bed		Actions
Date	Time	Time	Duration	Mode	inlet °C	Explanation	Taken
1/1/2021	22:35	2:53	4:18	Normal	58.9	High I.D. fan draft settings resulted in high carbon inlet temperatures.	The operator slowed feeding until differential temperature came under control
1/2/2021	17:15	21:42	4:27	Normal	58.3	High I.D. fan draft settings resulted in high carbon inlet temperatures.	The operator slowed feeding until differential temperature came under control

Stericycle

February 2021 Incinerator Averages, Temperatures and Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QunchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
2/1/2021	Average	12.0	2.6	49.8	934.0	1042.9	6.0	28.0	48.5	20.5	40.4	7.7	6.7	7.5	27.3	40.4	0.1	Normal(ON)
	Min	8.3	0.0	0.0	713.0	522.9	4.4	22.7	39.6	9.0	15.9	7.2	6.7	7.0	0.1	18.6	0.0	
	Max	20.4	778.8	110.7	1107.4	1077.4	6.2	37.9	50.3	22.7	46.8	9.8	6.8	7.8	42.0	43.6	1.0	
2/2/2021	Average	10.8	2.3	69.8	1008.3	1066.3	6.0	33.1	50.0	16.9	45.4	7.6	6.7	7.5	41.9	40.1	0.1	Normal(ON)
	Min	8.6	0.0	28.6	940.3	1054.8	6.0	26.6	49.1	10.9	42.7	7.3	6.7	7.1	41.8	40.0	0.0	
	Max	12.3	520.7	141.9	1047.9	1110.1	6.0	39.6	50.6	22.6	48.3	8.2	6.7	7.9	42.0	40.2	1.0	
2/3/2021	Average	10.6	2.2	64.8	1041.4	1065.2	6.0	28.1	49.4	21.3	43.3	7.3	6.7	7.4	42.1	40.4	0.0	Normal(ON)
	Min	8.6	0.0	0.4	992.1	1057.8	6.0	26.6	49.0	16.6	42.5	7.3	6.7	7.2	41.9	40.0	0.0	
	Max	12.0	461.3	348.5	1068.3	1094.8	6.0	33.7	50.3	22.6	45.5	7.4	6.7	7.7	42.9	41.9	0.0	
2/4/2021	Average	11.2	2.4	74.9	1040.3	1066.2	6.0	31.7	49.8	18.0	44.3	6.8	6.7	7.4	42.7	41.9	0.6	Normal(ON)
	Min	9.5	0.0	29.6	988.0	1058.8	6.0	26.6	48.9	14.6	42.4	3.8	6.7	7.2	42.0	41.8	0.0	
	Max	12.4	680.7	204.0	1071.2	1088.0	6.0	35.7	50.3	22.3	45.7	7.4	6.7	7.7	43.0	42.0	1.0	
2/5/2021	Average	11.2	1.8	81.4	1010.5	1070.7	6.0	33.7	50.1	16.4	43.5	5.8	6.7	6.5	41.5	41.8	2.1	Normal(ON)
	Min	7.5	0.0	0.4	939.6	1058.3	6.0	29.7	49.7	14.1	41.0	4.8	6.7	4.2	41.1	41.6	1.0	
	Max	12.5	649.2	357.5	1068.6	1145.0	6.0	36.2	50.3	20.0	44.8	7.7	6.8	7.6	42.0	42.0	3.0	
2/6/2021	Average	11.3	4.2	52.2	1040.1	1063.9	6.0	30.7	50.0	19.3	41.8	6.4	6.7	4.6	41.1	41.7	0.1	Normal(ON)
	Min	8.9	0.0	20.8	902.4	1018.0	6.0	27.4	49.7	13.1	40.4	2.5	6.7	4.3	40.8	41.6	0.0	
	Max	14.2	577.3	146.0	1082.9	1085.2	6.0	37.3	50.4	22.5	45.1	7.8	6.8	5.0	41.4	41.8	3.0	
2/7/2021	Average	11.6	1.1	79.3	1051.2	1071.1	6.0	35.8	50.3	14.4	45.3	7.5	6.7	4.6	41.1	41.8	0.0	Normal(ON)
	Min	8.9	0.0	31.1	921.7	1060.1	6.0	31.6	49.9	12.4	42.4	6.6	6.7	4.4	40.8	41.6	0.0	
	Max	13.0	17.0	191.6	1106.8	1178.4	6.0	38.2	50.6	18.4	47.0	8.2	6.7	4.8	41.4	42.0	0.0	
2/8/2021	Average	11.7	1.4	81.2	1061.7	1066.7	6.0	35.7	50.1	14.4	45.8	7.6	6.7	4.6	41.1	41.7	0.0	Normal(ON)
	Min	10.1	0.0	40.1	1029.1	1041.8	6.0	32.8	49.9	12.0	44.9	6.9	6.7	4.4	40.9	41.5	0.0	
	Max	13.4	262.0	182.7	1119.2	1086.3	6.0	37.9	50.3	17.3	46.8	7.9	6.8	4.8	41.3	41.9	0.0	
2/9/2021	Average	11.6	3.3	67.6	1089.8	1064.9	6.0	34.0	50.0	16.0	44.8	7.2	6.7	4.5	41.0	41.6	0.0	Normal(ON)
	Min	8.9	0.0	0.1	1022.3	1011.1	6.0	29.2	49.7	10.8	43.1	7.0	6.7	4.4	40.9	41.4	0.0	
	Max	15.7	654.0	142.2	1131.3	1083.9	6.0	39.3	50.2	20.6	47.3	7.4	6.7	4.6	41.1	41.8	0.0	
2/10/2021	Average	12.2	2.6	49.8	1030.0	1047.5	6.0	29.6	49.8	20.2	42.9	7.1	6.7	4.3	40.9	41.6	0.0	Normal(ON) /Shut-down/Off
	Min	9.5	0.0	0.0	782.7	645.7	6.0	24.8	47.8	15.1	41.0	7.1	6.7	3.9	40.8	41.5	0.0	
	Max	20.4	366.4	131.4	1077.8	1096.8	6.0	35.0	50.1	23.1	44.6	7.2	6.8	4.5	41.1	41.7	0.0	
2/11/2021	Average	12.0	0.9	56.6	804.9	1037.5	6.0	32.5	49.9	17.4	43.6	7.0	6.7	4.3	41.1	41.7	0.1	Off/Start-up/Normal(ON)
	Min	8.7	0.0	23.0	590.0	922.6	6.0	27.8	49.5	12.7	42.2	6.8	6.7	3.7	40.8	41.5	0.0	
	Max	15.8	10.8	322.5	963.6	1072.0	6.0	37.1	51.7	23.9	45.3	7.1	6.7	5.0	41.6	42.2	1.0	
2/12/2021	Average	11.9	1.7	84.9	997.1	1065.1	6.0	34.1	50.0	15.9	43.8	7.0	6.7	4.3	41.5	42.3	0.7	Normal(ON)
	Min	7.7	0.0	52.2	889.2	1043.2	6.0	27.6	48.9	12.4	41.2	6.4	6.7	3.9	41.0	41.9	0.0	
	Max	14.8	560.5	347.7	1079.8	1089.4	6.0	37.9	50.4	21.5	45.8	8.3	6.7	4.5	42.0	42.8	1.0	
2/13/2021	Average	11.8	0.9	94.8	978.6	1065.6	6.0	31.5	50.0	18.4	42.6	7.6	6.7	3.9	41.2	42.1	0.0	Normal(ON)
	Min	10.6	0.0	51.8	865.9	1059.1	6.0	29.3	49.6	13.7	40.3	7.2	6.7	3.6	40.8	41.8	0.0	
	Max	12.8	19.0	228.4	1070.6	1071.3	6.0	36.5	50.2	20.3	44.2	8.3	6.7	4.4	41.9	42.5	0.0	
2/14/2021	Average	12.6	3.5	78.5	718.8	1035.6	6.0	26.3	47.9	21.7	40.6	7.2	6.7	3.9	41.1	42.0	0.0	Normal(ON)
	Min	5.8	0.0	50.9	612.3	884.9	6.0	23.3	46.4	16.4	38.8	6.6	6.7	3.7	40.9	41.8	0.0	
	Max	16.5	825.3	173.3	1054.2	1132.2	6.0	33.2	49.7	23.2	44.1	7.3	6.8	4.3	41.4	42.1	0.0	
2/15/2021	Average	11.7	2.9	77.9	933.0	1054.3	6.0	30.1	49.5	19.5	42.1	7.3	6.7	4.4	41.2	42.1	0.6	Normal(ON)
	Min	7.4	0.0	25.2	684.3	955.4	6.0	27.6	49.2	17.8	41.2	6.1	6.7	3.8	41.0	41.8	0.0	
	Max	15.2	469.2	361.8	1073.4	1123.3	6.0	32.2	50.0	21.7	42.8	8.3	6.7	5.0	41.5	42.4	1.0	
2/16/2021	Average	11.5	2.2	74.3	997.6	1063.6	6.0	33.5	49.9	16.4	42.5	7.5	6.7	4.5	41.0	42.0	1.4	Normal(ON)
	Min	8.2	0.0	23.2	864.8	990.8	6.0	29.3	49.7	9.7	40.0	7.0	6.7	3.8	40.8	41.8	0.0	
	Max	15.4	598.2	180.4	1080.9	1127.4	6.0	40.3	50.2	20.5	46.3	8.4	6.7	8.0	41.5	42.4	2.0	
2/17/2021	Average	11.3	1.7	46.9	1060.9	1062.3	6.0	33.5	50.0	16.5	44.4	7.1	6.7	7.3	40.9	41.9	0.0	Normal(ON)
	Min	9.4	0.4	20.0	905.2	1025.5	6.0	30.2	49.9	12.2	42.8	7.1	6.7	7.0	40.7	41.6	0.0	
	Max	14.6	296.8	124.6	1092.8	1103.7	6.0	38.0	50.2	19.8	46.8	7.7	6.7	7.9	41.1	42.0	0.0	
2/18/2021	Average	11.1	2.4	51.8	1061.5	1067.0	6.0	32.9	50.1	17.2	43.7	7.1	6.7	7.3	40.7	41.7	0.0	Normal(ON)
	Min	7.6	0.0	0.1	902.4	1056.5	6.0	28.5	49.8	9.0	41.9	7.1	6.7	7.1	40.6	41.6	0.0	
	Max	13.2	433.1	335.2	1104.6	1130.0	6.0	41.2	50.4	21.5	47.6	7.8	6.7	7.6	40.9	41.8	0.0	

Stericycle

February 2021 Incinerator Averages, Temperatures and Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTemp°C	QunchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
2/19/2021	Average	11.4	3.5	47.1	1005.7	1062.3	6.0	32.6	50.2	17.5	43.9	7.3	6.7	7.3	40.8	41.6	0.0	Normal(ON)
	Min	7.7	0.0	0.1	695.8	1011.2	6.0	27.7	49.9	13.5	42.5	7.1	6.7	7.1	40.6	41.5	0.0	
	Max	14.2	652.7	351.4	1076.5	1109.2	6.0	36.7	50.4	22.4	45.3	8.2	6.8	7.5	40.9	41.7	0.0	
2/20/2021	Average	11.0	3.1	40.2	962.6	1060.9	6.0	30.6	50.1	19.5	43.2	7.0	6.7	7.2	41.0	41.6	0.0	Normal(ON)
	Min	9.2	0.0	0.4	642.1	996.1	6.0	27.6	49.7	14.2	42.4	6.9	6.7	7.0	40.7	41.5	0.0	
	Max	14.3	406.2	304.5	1068.4	1088.0	6.0	36.1	50.4	22.5	45.1	7.1	6.8	7.4	41.2	41.9	0.0	
2/21/2021	Average	11.1	4.7	48.3	1056.2	1065.1	6.0	32.6	50.2	17.6	43.7	6.9	6.7	7.6	41.2	41.8	0.0	Normal(ON)
	Min	8.1	1.2	12.8	1003.4	1057.6	6.0	28.9	49.8	13.4	42.6	6.2	6.7	7.0	41.0	41.6	0.0	
	Max	13.6	556.3	105.6	1082.2	1087.8	6.0	36.9	50.5	21.2	45.5	7.9	6.7	11.8	41.4	42.0	0.0	
2/22/2021	Average	10.8	3.4	50.1	1030.9	1065.5	6.0	31.7	50.2	18.5	43.3	7.2	6.7	7.3	41.0	41.8	0.0	Normal(ON)
	Min	7.3	0.0	0.5	991.1	1057.1	6.0	27.6	48.3	11.6	42.3	7.1	6.7	7.0	40.8	41.6	0.0	
	Max	13.4	492.4	356.8	1067.5	1109.6	6.1	38.7	50.5	22.3	45.6	8.1	6.7	10.0	41.3	41.9	1.0	
2/23/2021	Average	11.0	4.8	45.1	1014.9	1065.5	6.0	35.6	50.7	15.0	45.0	7.1	6.7	7.1	41.0	41.7	0.0	Normal(ON)
	Min	8.5	0.3	14.3	971.9	1057.6	6.0	29.0	50.2	9.3	42.6	7.1	6.7	7.0	40.9	41.6	0.0	
	Max	13.4	574.5	356.8	1067.5	1114.6	6.1	41.5	51.0	22.3	48.0	8.1	6.7	10.0	41.3	41.9	1.0	
2/24/2021	Average	10.9	3.6	52.7	1019.1	1064.8	6.0	34.6	50.7	16.2	44.7	7.2	6.8	7.2	41.1	41.8	0.0	Normal(ON)
	Min	9.2	0.0	15.6	974.9	1056.8	6.0	30.8	50.6	12.5	43.4	7.1	5.9	7.0	40.9	41.6	0.0	
	Max	12.8	506.9	138.0	1071.4	1083.7	6.0	38.4	51.0	19.8	46.6	7.7	7.7	7.5	41.3	42.0	0.0	
2/25/2021	Average	10.9	2.1	52.2	1032.6	1063.9	6.0	33.3	50.8	17.4	43.9	7.2	6.9	7.2	41.0	41.7	0.0	Normal(ON)
	Min	9.1	0.0	2.9	963.7	1055.5	6.0	31.1	50.5	13.9	42.9	7.1	6.7	7.1	40.9	41.5	0.0	
	Max	14.2	178.9	273.1	1072.8	1076.9	6.0	37.1	51.0	19.5	45.4	7.8	7.1	7.4	41.3	41.8	0.0	
2/26/2021	Average	11.2	1.7	62.4	1011.4	1066.7	6.0	34.4	50.6	16.2	44.8	7.3	6.7	7.3	41.1	41.7	0.0	Normal(ON)
	Min	8.8	0.0	0.2	875.5	1053.6	6.0	29.4	50.3	6.4	43.0	7.2	6.6	7.1	41.0	41.6	0.0	
	Max	14.2	347.3	135.1	1096.9	1145.5	6.0	44.3	51.0	21.0	48.6	7.9	6.8	7.5	41.3	41.8	0.0	
2/27/2021	Average	11.1	2.4	54.3	1006.1	1066.1	6.0	35.0	50.5	15.5	45.4	7.2	6.6	7.1	40.9	41.6	0.0	Normal(ON)
	Min	8.5	0.0	-0.2	850.9	1055.2	6.0	29.5	49.6	8.8	43.4	7.1	6.6	7.0	40.6	41.0	0.0	
	Max	14.3	250.5	338.6	1063.2	1151.5	6.0	42.1	51.0	20.9	48.1	7.5	6.7	7.4	41.2	41.8	0.0	
2/28/2021	Average	10.9	2.3	49.2	1053.7	1063.4	6.0	34.5	50.6	16.0	45.6	7.0	6.7	7.1	40.6	41.8	0.0	Normal(ON)
	Min	7.8	0.0	-0.2	947.6	1056.8	6.0	31.3	50.3	11.7	44.4	6.9	6.5	7.0	40.5	41.6	0.0	
	Max	13.8	520.2	349.2	1130.9	1090.4	6.0	39.0	50.7	19.0	46.6	7.2	7.2	7.2	40.8	41.9	0.0	

Stericycle

February 2021 CEM Cal Log

TheDate	COSpanRes	CO Calgas	COSpan%Drift	NOxSpanRes	NOX Calgas	NOxSpan%drift	O2SpanRes	O2 Calgas	O2SpanDrift	COZeroRes	COZero%Drift	NOxZeroRes	NOxZero%Drift	O2ZeroRes	O2 Zerogas	O2ZeroDrift	Comment
2/3/2021 23:40	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/3/2021 23:43	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
2/3/2021 23:47	0	88.1	0	731	776	4.5	0	8.08	0	0	0	0	0	0	0	0	
2/5/2021 23:44	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/5/2021 23:48	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
2/5/2021 23:51	0	88.1	0	749	776	2.7	0	8.08	0	0	0	0	0	0	0	0	
2/9/2021 7:58	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	0.1	0	0.1	
2/9/2021 8:02	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/9/2021 8:07	0	88.1	0	745	776	3.1	0	8.08	0	0	0	0	0	0	0	0	
2/9/2021 8:10	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/11/2021 23:38	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/11/2021 23:41	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/11/2021 23:46	0	88.1	0	697	776	7.9	0	8.08	0	0	0	0	0	0	0	0	
2/12/2021 23:42	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/12/2021 23:45	0	88.1	0	0	776	0	8.4	8.08	0.3199997	0	0	0	0	0	0	0	
2/12/2021 23:50	0	88.1	0	748	776	2.8	0	8.08	0	0	0	0	0	0	0	0	
2/15/2021 22:24	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/15/2021 22:28	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/15/2021 22:32	0	88.1	0	777	776	0.1	0	8.08	0	0	0	0	0	0	0	0	
2/18/2021 0:05	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/18/2021 0:09	0	88.1	0	0	776	0	8.4	8.08	0.3199997	0	0	0	0	0	0	0	
2/18/2021 0:14	0	88.1	0	700	776	7.6	0	8.08	0	0	0	0	0	0	0	0	
2/18/2021 23:39	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/18/2021 23:43	0	88.1	0	0	776	0	8.4	8.08	0.3199997	0	0	0	0	0	0	0	
2/18/2021 23:49	0	88.1	0	752	776	2.4	0	8.08	0	0	0	0	0	0	0	0	
2/18/2021 23:53	0	88.1	0	0	776	0	0	8.08	0	0	0	1	0.1	0.1	0	0.1	
2/19/2021 21:34	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	0.1	0	0.1	
2/19/2021 21:37	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/19/2021 21:42	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/19/2021 21:47	0	88.1	0	755	776	2.1	0	8.08	0	0	0	0	0	0	0	0	
2/20/2021 23:49	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/20/2021 23:52	0	88.1	0	0	776	0	8.4	8.08	0.3199997	0	0	0	0	0	0	0	
2/20/2021 23:57	0	88.1	0	744	776	3.2	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 0:05	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 0:09	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/22/2021 0:14	0	88.1	0	723	776	5.3	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 2:33	91	88.1	0.2900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 2:36	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/22/2021 2:40	0	88.1	0	762	776	1.4	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 15:41	0	88.1	0	0	776	0	0	8.08	0	0	0	1	0.1	-0.1	0	0.1	
2/22/2021 15:44	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	1	0.1	-0.1	0	0.1	
2/22/2021 15:50	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	-0.1	0	0.1	
2/22/2021 15:53	0	88.1	0	748	776	2.8	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 15:57	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
2/22/2021 21:53	0	88.1	0	0	776	0	0	8.08	0	1	0.3333333	0	0	-0.1	0	0.1	
2/22/2021 21:57	90	88.1	0.1900001	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 22:02	0	88.1	0	773	776	0.3	0	8.08	0	0	0	0	0	0	0	0	
2/22/2021 22:05	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
2/24/2021 23:47	0	88.1	0	0	776	0	0	8.08	0	1	0.3333333	0	0	0	0	0	
2/24/2021 23:52	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/24/2021 23:55	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/25/2021 0:00	0	88.1	0	760	776	1.6	0	8.08	0	0	0	0	0	0	0	0	
2/25/2021 23:35	0	88.1	0	0	776	0	0	8.08	0	1	0.3333333	-1	-0.1	-0.1	0	0.1	
2/25/2021 23:38	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/25/2021 23:43	0	88.1	0	745	776	3.1	0	8.08	0	0	0	0	0	0	0	0	

Stericycle

February 2021 CEM Cal Log

TheDate	COSpanRes	CO Calgas	COSpan%Drift	NOxSpanRes	NOX Calgas	NOxSpan%drift	O2SpanRes	O2 Calgas	O2SpanDrift	COZeroRes	COZero%Drift	NOxZeroRes	NOxZero%Drift	O2ZeroRes	O2 Zerogas	O2ZeroDrift	Comment
2/25/2021 23:47	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/26/2021 23:40	0	88.1	0	0	776	0	0	8.08	0	1	0.3333333	-1	-0.1	-0.1	0	0.1	
2/26/2021 23:43	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/26/2021 23:49	0	88.1	0	726	776	5	0	8.08	0	0	0	0	0	0	0	0	
2/26/2021 23:52	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/27/2021 22:07	0	88.1	0	0	776	0	0	8.08	0	0	0	-1	-0.1	0	0	0	
2/27/2021 22:11	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/27/2021 22:15	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
2/27/2021 22:22	0	88.1	0	697	776	7.9	0	8.08	0	0	0	0	0	0	0	0	
2/28/2021 23:05	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	-0.1	0	0.1	
2/28/2021 23:09	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
2/28/2021 23:13	0	88.1	0	0	776	0	8.2	8.08	0.1199999	0	0	0	0	0	0	0	
2/28/2021 23:16	0	88.1	0	757	776	1.9	0	8.08	0	0	0	0	0	0	0	0	

Stericycle

February 2021 Incinerator Feed Data

TheDate	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	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
2/1/2021	484.4	211.2	508.6	504	512.8	518.2	339.6	392	0	0	0	0	0	0	0	0	0	0	0	518.6	325.3	446.2	556.9	509	**5826.8**	
2/2/2021	515.7	506.9	413.8	507.7	536.3	530.5	341.6	512.5	509.5	503.4	518.5	483.3	463.5	508.1	503.2	322.8	509.8	465.4	358.4	302.5	315.2	371.3	0	0	**9999.9**	
2/3/2021	637	358.7	667.6	522.7	556.9	303.5	357.1	504	514.1	502.4	514.3	400.9	510.2	504.4	503.1	500.8	505.3	451.7	532.2	205.6	154.5	293	0	0	**10000**	
2/4/2021	512.9	626.6	514.5	469.3	417.4	500.4	268.2	498	496.5	228.5	223.8	502	497.3	501.3	512.2	510.5	513.7	492.2	338.4	380.4	286	280.3	401.7	6.9	**9979**	
2/5/2021	540.9	525.3	493.9	413.6	276.5	503.8	403.5	418	496.6	511.2	498.9	498.7	510.3	505.3	500.6	496.6	498.7	504.8	226.2	218.6	514.8	156.4	253.1	0	**9966.3**	
2/6/2021	524.5	503.1	375	500.4	509.8	506	373.1	504.5	511.8	506.5	532.3	370.2	379.2	317.9	505.8	601.8	360.5	493.2	424.4	0	0	0	271.5	146	**9217.5**	
2/7/2021	476.5	476.6	470.9	428	477.2	571.4	401.8	0	533.6	511	493.4	502.7	514.9	349.3	504.6	519.9	511.8	509.5	439.8	507.6	373.4	425.9	0	0	**9999.8**	
2/8/2021	567.8	0	517.6	414.7	593.6	611	435.3	0	506.5	504.4	522.7	510	508.4	517.5	520.3	515.8	608.6	401.2	513.6	303.2	507	259.8	0	0	**9839**	
2/9/2021	454.2	541.5	459.3	411.2	533.7	599.3	304.4	496.4	500.8	517.3	498.3	500.4	499.7	497.7	501	497.5	211.5	305.2	175	503.3	505.1	129.3	301.7	0	**9943.8**	
2/10/2021	512.6	522.5	460.4	501.4	532.4	64.8	525.6	436	503	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**4058.7**	
2/11/2021	0	0	0	0	0	0	0	0	0	595.6	600.4	604.3	609.2	306.7	183.2	416.9	607.9	595.9	620.3	62.1	0	621.5	610.6	565.4	**7000**	
2/12/2021	407.6	655.4	548.1	491.9	526.9	589.4	234.4	449.4	503.2	385.5	9.1	0	0	0	0	574.3	548.1	505	526.2	518.6	532.3	0	7.4	53.8	**8066.6**	
2/13/2021	442.5	615.2	456.8	455.4	624.2	467	404.3	502.2	492.4	498.1	499.5	562.2	450.2	498.6	494.5	495.3	517.6	490.1	0	185.1	0	0	0	0	**9151.2**	
2/14/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	509.6	464.9	64.4	540.8	523.5	**2103.2**	**251892.3**
2/15/2021	6.5	0	0	119.2	511.9	192	320.6	529.9	490.4	499.2	385.4	504.2	540.8	451	510.5	501	498.9	494.9	269.6	244.2	511.6	201.9	0	506.2	**8289.9**	
2/16/2021	334.7	38.9	0	508	120.4	0	110.6	539.1	529.6	511.8	203.6	505.6	520.1	526.2	602.8	517	537	504.8	326.3	575.6	588.3	413	361.2	224.5	**9099.1**	
2/17/2021	620.8	373.5	617.7	651.6	442.1	389.3	329.3	522.8	503.9	450.5	523.1	521.1	428.4	503.5	426.1	509	520.1	506.9	536.3	0	388.8	0	0	227.4	**9992.2**	
2/18/2021	650.2	541.6	331.1	601.7	418.7	524.2	261.2	513.2	557	547.2	559.8	530.8	550	552.2	557.5	201.4	578.3	501.6	150.5	531.7	340	0	0	0	**9999.9**	
2/19/2021	654.6	647.2	598.2	611.8	606.2	558.5	142.7	540.8	546	554.3	565.1	554.2	553.4	547.3	500.6	542.7	508.3	506.7	261.4	0	0	0	0	0	**10000**	
2/20/2021	517.5	448.5	517.5	400	540.8	564.8	531.1	207	537.1	507	503.7	506	508.1	491.4	502.2	529.6	435.2	527.4	439.4	502.3	185.7	51.7	0	0	**9954**	
2/21/2021	474	542.1	433	646.8	359.8	495	410.1	372.3	518.2	510.7	506.7	500.5	502.8	502.4	526.2	513.1	525.4	509.8	429	501.6	217.4	0	0	0	**9996.9**	
2/22/2021	549	535.6	446.2	332.8	547.2	507.4	262.8	511.5	516.5	502	504.4	510.7	504.2	511.1	309.1	500.2	476.3	513	528.8	501.4	400.3	0	0	0	**9970.5**	
2/23/2021	600.7	659	493.3	548.1	242.1	520.6	259	500.3	0	310.8	546.8	538.8	504.4	505	507.2	512.8	514	509.8	318	347.8	527.6	179.8	311.7	0	**9957.6**	
2/24/2021	502	529	513.8	503.7	530.8	553.9	575	511.4	503.1	499.2	523.6	499.6	498.2	502	499.1	495	499.6	452.3	205.4	259.2	309	0	0	0	**9964.9**	
2/25/2021	541.1	567.5	548.4	552	562.6	546.7	559.1	506.8	511.8	510.9	504.5	505.3	462.5	506.3	501.9	207.9	509.3	509.9	507	303.9	70.8	0	0	0	**9996.2**	
2/26/2021	670	632.1	626.8	532.6	574	604.5	209.9	514	455.5	383	525.4	525.4	274.5	517.4	190.2	507.1	516.4	501	510.5	164.1	0	0	0	131	**9565.4**	
2/27/2021	611	460.1	629.2	660.6	662.8	623.8	156	435.6	511.6	508.9	451.6	495.6	498.8	499	502.4	503.3	500	474.9	83.4	513.6	202.8	0	0	0	**9985**	
2/28/2021	554.6	547.8	562.6	548.2	551.8	542.1	541.3	443.5	458.5	463.1	469.9	480.2	455.7	460.4	453.8	465.8	455.1	449.4	131.4	186.6	465.8	67.4	213.9	0	**9968.9**	

O2 6 minute average < 7.5

O2 < 7.5

	Start	Stop		Op.	Stack		Actions
Date	**Time**	**Time**	**Duration**	**Mode**	**O2 %**	**Explanation**	**Taken**
2/14/2021	23:15	23:25	0:10	Normal	6.6	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.
2/15/2021	14:23	14:24	0:01	Normal	7.4	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.
2/22/2021	2:46	2:47	0:01	Normal	7.4	After Calibration of Nox was complete the 02 levels appeared to be low while sample train was being reintroduced to analyzer	No waste was fed until the O2 & CO levels returned to the normal operating range.
2/22/2021	15:58	15:59	0:01	Normal	7.3	Low O2 levels were caused by multiple CO spikes.	No waste was fed until the O2 & CO levels returned to the normal operating range.

Carbon Monoxide > 8ppm 4 hour alarm

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Carbon Monoxide > 8ppm 4 hour alarm

Date	Start Time	Stop Time	Duration	Op. Mode	Stack CO @ 11% O2	Stack CO as mg/m^3	Explanation	Actions Taken
1/1/2021	21:00	2:00	5:00	Normal	14.7	17.0	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/3/2021	12:00	15:00	3:00	Normal	9.1	10.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/7/2021	21:00	2:00	5:00	Normal	9.8	11.3	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/11/2021	9:00	13:00	4:00	Normal	12.1	14.0	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/18/2021	5:00	6:00	1:00	Normal	9.7	11.2	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/22/2021	20:00	0:00	4:00	Normal	10.9	12.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/25/2021	19:00	22:00	3:00	Normal	10.1	11.7	CO spike caused by inconsitence feed rate.	No waste was fed during this time.
1/26/2021	11:00	15:00	4:00	Normal	10.7	12.3	CO spike caused by piles of waste falling over inside the primary chamber of the incinerator during the cycling of the internal ram.	No waste was fed during this time.

Carbon Monoxide > 8ppm 4 hour alarm

1/27/2021	1:00	4:00	3:00	Normal	9.2	10.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/27/2021	10:00	13:00	3:00	Normal	9.1	10.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/28/2021	2:00	4:00	2:00	Normal	8.4	9.7	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/30/2021	10:00	11:00	1:00	Normal	8.8	10.2	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
1/31/2021	12:00	13:00	1:00	Normal	8.5	9.8	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator

Oxides of Nitrogen > 98ppm 24 hr average

Date	Start Time	Stop Time	Duration	Op. Mode	Stack NOx @ 11% O2	Stack NOx as mg/m^3	Explanation	Actions Taken
2/13/2021	18:00	23:00	5:00	Normal	99.8	179.6	High NOx levels were caused by freezing of the ammonia line on the SNCR.	No waste was fed during this period. Maintenance unfrozen the line and re-routed line to prevent it from freezing up.
			0:00					

Secondary Chamber Temperature < 1000°C

Date	Start Time	Stop Time	Duration	Op. Mode	Temp. °C	Explanation	Actions Taken
2/14/2021	17:15	18:46	1:31	Normal	929	Low secondary temperatures caused by the incinerator sitting idle while maintenance worked on repairing the lower ram.	No waste was fed during this period.
2/14/2021	19:06	20:04	0:58	Normal	969	Low secondary temperatures caused by the incinerator sitting idle while maintenance worked on repairing the lower ram.	No waste was fed during this period.
2/14/2021	20:53	21:43	0:50	Normal	933	Low secondary temperatures caused by the incinerator sitting idle while maintenance worked on repairing the lower ram.	No waste was fed during this period.
2/15/2021	2:00	3:31	1:31	Normal	981	Low secondary temperatures caused by the incinerator sitting idle .	No waste was fed during this period.

Quench pH out of Range (<6.4pH / >10.4pH)

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Quench pH out of Range (<6.4pH / >10.4pH)

	Start	Stop		Op.	Quench		Action
Date	Time	Time	Duration	Mode	pH	Explanation	Taken
2/4/2021	19:26	16:47	21:21	Normal	5.1	Low pH level caused by failure of the caustic pump.	Maintenance trouble shot & replaced the caustic pump.
2/6/2021	9:44	13:58	4:14	Normal	4.1	Low pH level caused by a clogged air valve on the caustic pump from the previous pump failure.	Maintenance troubleshot and cleared the clogged air valve.

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Atomizer Amps < 36

Date	Start Time	Stop Time	Duration	Op. Mode	Atom. A amps	Atom. B amps	Explanation	Action Taken
			0:00:00					
2/1/2021	0:00:00	4:22:00	4:22:00	Normal	20.6	41.9	Low amperage on Atomizer A was caused by a lube sensor failure.	Maintenance replaced the lube sensor.
2/1/2021	7:55:00	12:37:00	4:42:00	Normal/Shut-down	9.6	41.9	Low amperage on Atomizer A was caused by a lube sensor failure.	Maintenance replaced the lube sensor.
			0:00:00					
			0:00:00					
			0:00:00					
			0:00:00					
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			0:00:00					

Stericycle

March 2021 Incineration Averages, Temperatures Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTem	QunchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
3/1/2021	average	11.2	4.3	73.2	1076.0	1064.0	6.0	37.4	50.7	13.3	46.8	8.0	7.3	7.2	40.7	41.9	0.0	Normal(ON)
	min	9.2	0.1	25.6	999.7	1029.3	6.0	31.2	50.4	9.3	45.0	7.0	6.7	7.0	40.4	41.7	0.0	
	max	15.0	642.1	167.4	1112.1	1085.9	6.0	41.6	51.0	19.3	48.7	9.1	7.7	7.6	40.9	42.0	0.0	
3/2/2021	average	11.4	2.9	65.2	1051.1	1061.7	6.0	36.1	49.4	13.2	45.8	8.1	7.2	7.4	40.4	41.5	0.0	Normal(ON)
	min	9.31	0.5	22.8	873.8	992.2	6.0	33.6	40.7	5.4	39.9	7.8	6.9	7.1	40.2	41.3	0.0	
	max	15.5	164.9	147.9	1122.5	1080.9	6.3	39.3	50.9	16.4	47.9	8.4	7.7	7.7	40.6	41.8	0.0	
3/3/2021	average	11.2	3.9	53.0	1097.8	1065.0	6.0	38.4	50.6	12.2	46.7	8.6	7.4	7.2	40.7	41.7	0.0	Normal(ON)
	min	8.88	0.0	0.0	1035.6	1057.5	6.0	34.4	50.3	7.5	44.1	8.1	6.9	7.0	40.6	41.6	0.0	
	max	13.7	512.3	120.0	1170.5	1119.7	6.0	43.2	50.9	16.0	49.2	9.5	7.8	7.4	40.8	41.8	0.0	
3/4/2021	average	11.5	5.3	52.9	1086.9	1064.2	6.0	38.0	50.6	12.6	46.4	9.1	7.6	7.1	40.5	41.5	0.0	Normal(ON)/Shut-down
	min	9.3	0.0	0.2	1011.8	1035.1	6.0	32.7	50.3	7.3	43.5	8.4	7.3	7.0	40.3	41.1	0.0	
	max	14.1	670.9	148.8	1135.3	1102.9	6.0	43.5	50.9	17.6	49.2	9.4	7.8	7.3	40.8	41.9	0.0	
3/5/2021	average	16.7	1.7	24.9	723.7	624.1	6.1	27.4	33.2	5.8	29.7	10.4	8.9	7.7	20.3	20.8	0.0	Shut-down/Off
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/6/2021	average	16.7	2.2	24.9	722.9	623.2	6.1	27.4	33.1	5.7	29.6	10.4	8.9	7.7	20.3	20.7	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/7/2021	average	16.7	2.7	25.0	722.1	622.3	6.1	27.4	33.1	5.7	29.6	10.4	8.9	7.7	20.2	20.7	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/8/2021	average	16.7	3.1	25.0	721.2	621.4	6.1	27.3	33.0	5.7	29.6	10.4	8.9	7.7	20.2	20.7	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/9/2021	average	16.7	3.6	25.1	720.4	620.4	6.1	27.3	33.0	5.7	29.6	10.4	8.9	7.7	20.2	20.6	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/10/2021	average	16.7	4.0	25.1	719.6	619.5	6.1	27.3	33.0	5.7	29.5	10.4	8.9	7.7	20.1	20.6	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/11/2021	average	16.7	4.5	25.2	718.8	618.6	6.1	27.3	32.9	5.6	29.5	10.4	8.9	7.7	20.1	20.5	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/12/2021	average	16.7	5.0	25.3	717.9	617.7	6.1	27.3	32.9	5.6	29.5	10.4	8.9	7.7	20.0	20.5	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/13/2021	average	16.7	5.4	25.3	717.1	616.8	6.1	27.3	32.8	5.6	29.4	10.4	8.9	7.7	20.0	20.4	0.0	OFF
	min	9.3	0.0	0.0	261.1	133.2	5.7	17.0	11.4	-6.2	11.7	8.4	7.3	7.0	0.1	0.0	0.0	
	max	20.4	670.9	148.8	1135.3	1102.9	6.8	43.5	50.9	17.9	49.2	12.3	10.4	8.4	40.8	41.9	0.0	
3/14/2021	average	14.1	3.8	71.6	878.7	1058.7	6.0	38.4	39.9	1.5	36.5	5.8	4.0	5.2	36.8	36.0	0.3	OFF/Start-up/Normal(ON)
	min	11.0	0.0	-12.1	689.4	862.5	5.7	26.3	27.2	-0.5	25.6	4.2	1.6	3.8	12.1	5.7	0.0	
	max	20.0	379.7	236.5	1042.6	1210.3	6.2	77.3	83.9	6.6	75.5	8.7	9.1	6.9	41.5	41.5	1.0	
3/15/2021	average	14.0	4.3	66.3	947.3	1077.0	6.0	34.5	48.0	13.5	34.5	7.5	7.2	7.3	42.5	43.1	0.4	Normal(ON)
	min	7.7	0.0	-0.3	714.6	1039.7	5.9	28.5	31.9	3.4	27.3	7.0	6.7	6.9	40.9	40.9	0.0	
	max	15.7	721.3	353.3	1034.4	1187.2	6.0	44.2	50.7	21.1	39.2	8.4	8.8	7.6	43.9	45.0	1.0	
3/16/2021	average	13.5	4.4	58.4	880.1	1076.4	6.0	33.4	50.1	16.7	39.9	7.3	7.0	7.3	41.6	41.6	0.2	Normal(ON)
	min	8.7	0.0	-0.4	642.5	1020.3	6.0	24.7	47.8	7.6	35.0	7.2	6.6	7.1	40.9	41.2	0.0	
	max	16.0	736.4	167.7	982.5	1152.5	6.0	42.5	50.9	23.4	45.8	7.4	7.5	7.6	42.8	43.0	1.0	
3/17/2021	average	13.7	3.6	52.4	876.9	1079.2	6.0	32.5	50.2	17.6	40.9	7.3	6.8	7.2	40.9	41.4	0.0	Normal(ON)
	min	11.1	0.0	12.6	686.8	994.9	6.0	26.5	48.3	8.0	37.1	7.2	6.6	7.0	40.7	41.1	0.0	
	max	16.6	773.0	149.6	1024.1	1124.1	6.0	43.6	51.7	22.7	48.6	7.4	7.1	7.5	41.1	41.6	1.0	
3/18/2021	average	13.3	4.6	59.5	970.9	1075.4	6.0	35.9	50.5	14.7	42.4	7.3	6.7	7.3	40.9	41.4	0.1	Normal(ON)/Shut-down/Off/Start-up
	min	9.3	0.0	-0.4	747.1	1014.1	6.0	28.6	49.6	9.7	37.2	7.1	6.5	7.0	40.5	41.1	0.0	
	max	18.0	690.8	155.3	1032.2	1145.4	6.0	41.4	51.3	22.4	46.2	7.4	7.0	7.8	41.1	41.5	1.0	

Stericycle

March 2021 Incineration Averages, Temperatures Ranges

TheDate		OX6min	COmin	NOXmin	PrimTemp°C	SecTemp°C	SNCR	DemTemp°C	CarbTemp°C	DiffTemp°C	IDFanTem	QunchPH	CondPH	AtomPH	AtomA	AtomB	HEPADP	OpMode
3/19/2021	average	12.7	2.3	67.9	994.0	1084.3	6.0	35.2	50.1	15.0	42.1	7.2	6.6	7.3	40.9	41.3	0.1	Start-up/Normal(ON)
	min	11.4	0.0	26.1	919.0	1059.5	6.0	31.5	49.7	8.6	39.7	7.1	6.5	7.1	40.6	41.2	0.0	
	max	14.6	512.2	102.2	1075.3	1167.0	6.1	42.9	53.3	18.4	45.4	7.4	6.6	8.7	41.1	41.5	1.0	
3/20/2021	average	12.9	4.2	47.2	963.1	1089.6	6.0	30.4	50.1	19.7	40.5	7.2	6.6	7.4	40.9	41.4	0.0	Normal(ON)
	min	10.9	0.0	11.8	928.1	1073.3	6.0	25.5	49.0	14.1	37.3	7.1	6.5	7.2	40.7	41.2	0.0	
	max	14.4	508.2	133.1	1012.4	1131.4	6.0	36.8	51.0	23.6	43.8	7.3	6.7	7.6	41.2	41.6	0.0	
3/21/2021	average	13.3	3.5	57.4	934.7	1083.1	6.0	30.6	50.4	19.8	40.7	7.3	6.7	7.4	40.8	41.4	0.0	Normal(ON)
	min	10.4	0.0	12.4	720.6	1066.4	6.0	26.2	49.7	12.8	38.6	7.1	6.6	7.0	40.7	41.2	0.0	
	max	15.5	874.5	145.1	1049.5	1114.5	6.0	38.3	51.1	23.5	44.4	7.4	6.9	7.8	41.0	41.5	0.0	
3/22/2021	average	12.7	3.8	44.9	914.2	1088.9	6.0	32.4	50.5	18.2	42.1	7.2	6.6	7.4	40.9	41.3	0.1	Normal(ON)
	min	10.6	0.0	8.7	730.1	1072.6	6.0	26.2	49.5	9.5	38.3	7.1	6.5	7.2	40.7	41.2	0.0	
	max	14.9	856.7	130.2	977.9	1129.5	6.0	41.5	51.1	23.3	48.4	7.5	6.8	7.6	41.1	41.4	1.0	
3/23/2021	average	13.1	5.3	70.9	957.5	1088.3	6.0	31.8	50.5	18.7	41.1	7.6	6.8	7.4	40.7	41.2	0.1	Normal(ON)
	min	7.1	0.0	-6.6	878.4	1072.4	6.0	26.5	49.3	11.7	37.6	7.3	6.5	7.2	40.6	41.1	0.0	
	max	20.0	671.3	212.7	1013.6	1114.9	6.0	39.5	51.2	23.4	46.2	7.9	7.2	7.7	40.8	41.3	1.0	
3/24/2021	average	12.8	5.0	47.9	910.3	1083.8	6.0	35.3	51.0	15.7	42.4	7.2	7.0	7.3	40.7	41.1	0.0	Normal(ON)
	min	10.2	0.0	-6.6	738.2	1038.5	6.0	26.5	49.3	8.1	37.6	7.1	6.5	7.1	40.5	41.0	0.0	
	max	20.0	841.0	212.7	1013.6	1142.1	6.1	43.2	51.4	23.4	47.3	7.9	7.4	7.7	40.8	41.3	1.0	
3/25/2021	average	12.7	2.2	56.3	931.8	1078.4	6.0	33.0	50.7	17.7	40.9	6.9	6.7	7.4	41.3	41.1	0.0	Normal(ON)/Shut-down/Off/Start-up/Normal(ON)
	min	10.0	0.0	-6.6	716.1	715.4	6.0	25.0	47.2	9.8	32.8	5.8	6.6	7.1	38.6	38.9	0.0	
	max	20.4	434.6	199.7	1027.8	1109.1	6.5	41.6	51.5	23.3	46.2	7.4	7.0	7.6	42.7	41.8	0.0	
3/26/2021	average	12.5	3.9	56.6	909.7	1087.5	6.0	32.2	50.5	18.4	41.4	8.7	6.6	7.2	42.4	40.8	0.0	Normal(ON)
	min	10.0	0.0	1.2	797.3	1078.3	6.0	27.0	50.2	12.5	38.9	6.5	6.2	6.5	42.2	40.5	0.0	
	max	14.5	862.6	159.9	1032.1	1105.7	6.0	38.5	51.1	23.2	45.1	10.1	6.9	7.6	42.6	41.0	0.0	
3/27/2021	average	15.0	192.9	64.2	829.9	890.6	6.0	31.0	49.2	18.2	41.0	8.3	7.7	7.4	42.3	40.7	0.0	Normal(ON)
	min	9.6	0.0	0.3	674.0	386.8	6.0	20.3	43.9	12.1	33.8	7.3	6.2	6.5	42.2	40.6	0.0	
	max	20.0	3168.0	232.1	1088.1	1110.7	6.0	38.9	51.1	23.9	45.3	10.2	9.2	8.9	42.4	40.8	0.0	
3/28/2021	average	12.7	1.2	65.5	1000.7	1071.6	6.0	40.3	51.0	10.8	45.0	7.4	7.0	6.6	42.3	40.6	0.1	Normal(ON)
	min	10.7	0.0	22.2	694.1	1008.6	6.0	32.2	50.6	6.2	42.1	7.2	6.7	6.5	42.1	40.5	0.0	
	max	14.5	106.7	184.6	1110.0	1190.6	6.0	44.7	51.4	18.4	49.7	8.2	8.0	7.3	42.4	40.7	1.0	
3/29/2021	average	13.0	3.5	72.2	1076.1	1071.5	6.0	39.8	51.2	11.3	41.9	7.1	7.0	6.7	42.3	40.5	0.3	Normal(ON)
	min	10.7	0.0	0.5	1009.2	1035.1	6.0	31.1	50.5	7.3	35.6	7.0	6.7	6.5	42.1	40.2	0.0	
	max	15.6	706.4	240.0	1125.7	1127.7	6.0	44.1	51.6	19.5	45.5	7.2	7.4	7.4	42.4	40.6	1.0	
3/30/2021	average	13.1	4.0	75.7	990.5	1060.7	6.0	38.1	50.9	12.8	40.2	7.0	7.2	7.3	42.5	40.9	0.0	Normal(ON)
	min	11.7	0.0	29.6	923.3	1016.6	6.0	30.8	50.4	9.6	35.4	6.9	6.8	6.9	42.2	40.5	0.0	
	max	15.7	768.2	227.3	1038.9	1105.7	6.0	41.2	51.3	19.8	43.2	7.1	7.6	7.8	43.0	41.4	0.0	
3/31/2021	average	13.1	3.2	75.7	1050.8	1051.3	6.0	39.2	51.0	11.8	41.1	7.0	6.8	6.8	42.4	40.7	0.0	Normal(ON)
	min	11.0	0.0	22.2	1009.7	1001.8	6.0	36.0	50.4	9.1	37.8	7.0	6.6	6.4	42.0	40.5	0.0	
	max	15.2	449.3	194.6	1087.2	1075.3	6.0	41.6	51.4	15.1	43.7	7.0	7.0	7.4	42.6	40.9	0.0	

Stericycle

February 2021 CEM Cal Log

TheDate	COSpanRes	CO Calgas	COSpan%Drift	NOxSpanRes	NOX Calgas	NOxSpan%drift	O2SpanRes	O2 Calgas	O2SpanDrift	COZeroRes	COZero%D	NOxZeroRes	NOxZero%Drift	O2ZeroRes	O2 Zerogas	O2ZeroDrift	Comment
3/3/2021 23:36	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/3/2021 23:40	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/3/2021 23:45	0	88.1	0	759	776	1.7	0	8.08	0	0	0	0	0	0	0	0	
3/3/2021 23:48	0	88.1	0	0	776	0	8.4	8.08	0.3199997	0	0	0	0	0	0	0	
3/4/2021 4:35	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/4/2021 4:40	0	88.1	0	708	776	6.8	0	8.08	0	0	0	0	0	0	0	0	
3/4/2021 4:43	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
3/15/2021 23:08	0	88.1	0	0	776	0	0	8.08	0	0	0	-1	-0.1	0	0	0	
3/15/2021 23:12	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/15/2021 23:16	0	88.1	0	0	776	0	8.4	8.08	0.3199997	0	0	0	0	0	0	0	
3/15/2021 23:21	0	88.1	0	736	776	4	0	8.08	0	0	0	0	0	0	0	0	
3/18/2021 0:10	0	88.1	0	0	776	0	0	8.08	0	0	0	-1	-0.1	0	0	0	
3/18/2021 0:14	87	88.1	0.1099999	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/18/2021 0:18	0	88.1	0	735	776	4.1	0	8.08	0	0	0	0	0	0	0	0	
3/18/2021 0:21	0	88.1	0	0	776	0	8.3	8.08	0.2200003	0	0	0	0	0	0	0	
3/18/2021 7:36	0	88.1	0	0	776	0	0	8.08	0	0	0	-1	-0.1	0	0	0	
3/18/2021 7:40	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/18/2021 7:51	0	88.1	0	765	776	1.1	0	8.08	0	0	0	0	0	0	0	0	
3/18/2021 7:54	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
3/20/2021 23:34	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/20/2021 23:40	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/20/2021 23:43	1	88.1	8.71	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 15:42	0	88.1	0	0	776	0	0	8.08	0	1	0.333333	1	0.1	0	0	0	
3/23/2021 15:50	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 15:54	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 15:58	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
3/23/2021 16:02	0	88.1	0	0	776	77.6	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:09	0	88.1	0	20	776	75.6	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:14	0	88.1	0	97	776	67.9	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:19	0	88.1	0	421	776	35.5	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:23	0	88.1	0	776	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:27	0	88.1	0	0	776	0	0	8.08	0	0	0	5	0.5	0	0	0	
3/23/2021 16:32	0	88.1	0	761	776	1.5	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:36	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/23/2021 16:40	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
3/25/2021 23:50	0	88.1	0	0	776	0	0	8.08	0	0	0	1	0.1	0	0	0	
3/25/2021 23:53	88	88.1	1.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/25/2021 23:58	0	88.1	0	961	776	18.5	0	8.08	0	0	0	0	0	0	0	0	
3/26/2021 0:02	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	
3/26/2021 23:52	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	-0.1	0	0.1	
3/26/2021 23:55	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 0:00	0	88.1	0	500	776	27.6	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 0:04	0	88.1	0	0	776	0	8	8.08	8.00E-02	0	0	0	0	0	0	0	
3/27/2021 6:42	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	-0.1	0	0.1	
3/27/2021 6:47	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 6:55	0	88.1	0	0	776	0	0	8.08	0	0	0	0	0	-0.1	0	0.1	
3/27/2021 9:11	0	88.1	0	0	776	0	0	8.08	0	88	29.33333	23	2.3	19.8	0	19.8	
3/27/2021 9:15	127	88.1	3.89	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 9:19	0	88.1	0	17	776	75.9	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 9:22	0	88.1	0	0	776	0	20.1	8.08	12.02	0	0	0	0	0	0	0	
3/27/2021 11:20	0	88.1	0	0	776	0	0	8.08	0	0	0	2	0.2	0	0	0	
3/27/2021 11:24	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 11:29	0	88.1	0	98	776	67.8	0	8.08	0	0	0	0	0	0	0	0	
3/27/2021 11:32	0	88.1	0	0	776	0	8.1	8.08	2.00E-02	0	0	0	0	0	0	0	

Stericycle

February 2021 CEM Cal Log

TheDate	COSpanRes	CO Calgas	COSpan%Drift	NOxSpanRes	NOX Calgas	NOxSpan%drift	O2SpanRes	O2 Calgas	O2SpanDrift	COZeroRes	COZero%D	NOxZeroRes	NOxZero%Drift	O2ZeroRes	O2 Zerogas	O2ZeroDrift	Comment
3/29/2021 21:37	0	88.1	0	0	776	0	0	8.08	0	1	0.333333	0	0	-0.2	0	0.2	
3/29/2021 21:41	89	88.1	9.00E-02	0	776	0	0	8.08	0	0	0	0	0	0	0	0	
3/29/2021 21:44	0	88.1	0	0	776	0	8	8.08	8.00E-02	0	0	0	0	0	0	0	

Stericycle

March 2021 Incineration Feed Data

TheDate	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	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
3/1/2021	593.4	610.2	603.2	585.1	0	565.8	567.2	460.6	456	462.4	451.4	460.4	457	455.5	458.6	450.8	455.8	451.6	172.6	507.6	505.9	268	0	0	**9999.1**	
3/2/2021	504	539.5	505.2	523.4	530.8	520.8	0	526.2	513.8	502.3	507.3	505.4	125.9	511.8	528.6	521.8	155.6	520.3	510.8	0	44.6	426.4	567	334.5	**9926**	
3/3/2021	506.7	500.4	573.3	622.9	482.5	524.6	210.2	0	519.9	535	522.5	517.9	407.7	511.7	513.4	504.9	466.7	504.9	507.1	0	498.2	279	0	98.1	**9807.6**	
3/4/2021	575.4	607.4	604.7	500.6	13	620.4	597.7	452.4	453.2	452	450.8	452.2	390.5	456.1	411.3	559.7	0	484.1	573.5	504.1	323.3	0	0	0	**9482.4**	
3/5/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/6/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/7/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/8/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/9/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/10/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/11/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/12/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/13/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**0**	
3/14/2021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	503.6	541.9	603.7	350.7	367.7	318.9	**2686.5**	
3/15/2021	522	515.5	509.2	626.2	573.3	624.5	329.5	303.7	450	0	271.4	504.5	507.2	512.6	502.1	504.4	503.2	377	506.2	506.8	506	0	0	109.6	**9764.9**	
3/16/2021	549.3	0	375.2	550.6	575.5	530.4	150.9	25.8	559.5	558	417.3	504	510.7	183.8	0	0	0	480	503.1	500.7	270	541.6	500.6	507.4	**8794.4**	**176285.4**
3/17/2021	520.5	538.1	322.6	320.8	0	0	0	0	0	35	0	0	409.6	508.2	500.7	506.2	507.2	0	0	551.4	558.5	270.4	553	477.7	**6579.9**	
3/18/2021	379.8	509.1	193.3	503.4	556.7	573.3	552.1	0	495.3	503.5	501.5	503	503.9	504.2	0	0	0	0	0	0	423.1	425.9	425.9	425.3	**7979.3**	
3/19/2021	424.9	422	430.1	420.7	427	422.4	423.5	496.2	436	440	435.3	435.4	465.6	433.8	427.2	425.5	428	429.7	277	454.8	452.8	305.9	457.3	228.9	**10000**	
3/20/2021	452.9	433.7	371.8	451.1	460.5	392.6	0	424.2	0	0	423.6	423.2	434.1	421.6	448.2	427	442.4	480.8	386.4	384.8	457	454.8	466.2	473.6	**9110.5**	
3/21/2021	453.7	450.1	452.9	456.4	460	454.8	482	452.4	456.2	455	278.6	456.4	0	454	0	0	452.4	453.2	106.2	0	0	0	0	142.8	**6917.1**	
3/22/2021	242	229	581.7	479	488	450.4	453.2	459.3	434.6	429.6	437.4	425.1	497.8	422.2	427.6	433.2	420.1	428.8	314.7	0	0	307.4	497.2	0	**8858.3**	
3/23/2021	457.6	451.2	456.6	278.5	0	239.6	0	428.9	424.5	0	0	326	366	0	0	0	0	522.2	336.8	452.6	377.2	459.6	456.2	426.8	**6460.3**	
3/24/2021	254.3	466.9	401.8	459.4	0	463.4	463.1	420.7	457.9	427.5	328	0	0	0	0	0	0	455.1	380.9	404.5	464.3	246.5	463	454.2	**7011.5**	
3/25/2021	455.3	164.2	135.3	465.3	468.6	374.7	461.2	351.1	462.9	247.7	455.4	0	0	0	0	0	0	410.8	178.8	0	0	461.9	295.1	511.7	**5900**	
3/26/2021	504.2	507.8	27.7	504.8	514.1	549.9	526.6	397.8	192.1	262.6	0	0	0	167.4	206.5	505.9	322.5	469	168.9	511.9	513.3	508.5	407.1	80.1	**7848.7**	
3/27/2021	504.5	477.1	0	527.6	502.5	154.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2166.2**	
3/28/2021	501.8	484.5	485.7	556.6	527.3	544.2	422.7	428.3	465.2	457.1	456.4	451.4	468.6	467.6	473.4	450.7	453.3	452.9	295.7	519.2	502.6	0	100.2	0	**9965.4**	
3/29/2021	532.9	542.2	552.1	539.2	538.9	542.8	532.5	450.8	464.3	459.3	461.4	456.5	462.6	456.6	464	454.2	463.5	496.8	323.5	515.8	289	1.1	0	0	**10000**	
3/30/2021	502.8	503.6	502.3	504.4	502.1	510.4	476	184	502	227.2	504.4	340.9	391.4	466.8	515.2	444.1	605.3	113.9	419.8	503.8	512.5	169.3	310.9	222.6	**9935.7**	
3/31/2021	0	219.1	528.4	331.4	0	430.5	507.1	268.7	394.8	182	524.7	0	464.9	451.8	450.3	60.4	0	504.5	439.2	0	177	504.5	136.4	515.9	**7091.6**	

O2 6 minute average < 7.5

O2 < 7.5

	Start	Stop		Op.	Stack		Actions
Date	**Time**	**Time**	**Duration**	**Mode**	**O2 %**	**Explanation**	**Taken**
3/23/2021	16:03	16:08	0:05	Normal	7.2	After Calibration of Nox was complete the 02 levels appeared to be low while sample train was being reintroduced to analyzer	No waste was fed until the O2 & CO levels returned to the normal operating range.

Carbon Monoxide > 8ppm 4 hour alarm

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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
3/1/2021	11:00	15:00	4:00	Normal	9.8	11.3	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/4/2021	15:00	19:00	4:00	Normal	12.8	14.8	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/15/2021	16:00	21:00	5:00	Normal	11.6	13.4	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/16/2021	13:00	14:00	1:00	Normal	8.1	9.3	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/16/2021	16:00	17:00	1:00	Normal	8.1	9.3	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/17/2021	1:00	7:00	6:00	Normal	12.4	14.3	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/18/2021	10:00	16:00	6:00	Normal	10.8	12.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/19/2021	17:00	18:00	1:00	Normal	9.2	10.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator

Carbon Monoxide > 8ppm 4 hour alarm

3/20/2021	2:00	3:00	1:00	Normal	8.2	9.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/20/2021	4:00	6:00	2:00	Normal	10.1	11.7	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/20/2021	10:00	14:00	4:00	Normal	11	12.7	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/22/2021	20:00	21:00	1:00	Normal	9.5	11.0	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/23/2021	9:00	10:00	1:00	Normal	10.8	12.5	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/23/2021	12:00	13:00	1:00	Normal	9.2	10.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator

Carbon Monoxide > 8ppm 4 hour alarm

3/24/2021	11:00	15:00	4:00	Normal	14.3	16.5	At approximately 10:40am the CO levels in the incinerator exceeded our permit on the 12-hour average. The 12-hour average went from 5.39ppm to 9.58ppm due to a one-hour average of 50.68ppm. The minute averages for the spike were 193.79ppm, 841.01ppm, 88ppm and 17.24ppm. The OSI was working alongside the Incinerator operator who then put a load into the machine (the load weighed 52.05kg). While loading the next load into the hopper, the OSI heard a loud “boom” sound and then saw flames coming out of the incinerator under the fire door filling the hopper with smoke as well as flames coming out from around the ram system.	No waste was fed until the CO level returned to the normal operating.
3/26/2021	10:00	13:00	3:00	Normal	10.9	12.6	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/27/2021	6:00	16:00	10:00	Normal	531.3	613.1	High CO levels occurred due to an electrical fault in the limit switch system that then caused the upper burner to shut off. At the same time the flame scanner for the upper burner had failed, this prevented the upper burner from relighting.	After the issue was identified, the flame scanner was replaced and the burner became operational again. The flame scanner had been replaced in September 2020 and was on a annual replacment schedule. Due to the failure the flame scanner is now on a semi-annual replacment scheudle. No waste was fed during this period.

Carbon Monoxide > 8ppm 4 hour alarm

3/29/2021	15:00	18:00	3:00	Normal	10.4	12.0	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator
3/31/2021	0:00	4:00	4:00	Normal	9.6	11.1	Waste fell over in the incinerator or into the ash pit	Operator stopped feeding for 30 minutes to allow machine to burn the waste down inside the incinerator

Carbon Monoxide > 8ppm 12 hour alarm

Carbon Monoxide > 8ppm 12 hour alarm

Date	Start Time	Stop Time	Duration	Op. Mode	Stack CO @ 11% O2	Stack CO as mg/m^3	Explanation	Actions Taken
3/24/2021	11:00	13:00	2:00	Normal	8.9	10.3	At approximately 10:40am the CO levels in the incinerator exceeded our permit on the 12-hour average. The 12-hour average went from 5.39ppm to 9.58ppm due to a one-hour average of 50.68ppm. The minute averages for the spike were 193.79ppm, 841.01ppm, 88ppm and 17.24ppm. The OSI was working alongside the Incinerator operator who then put a load into the machine (the load weighed 52.05kg). While loading the next load into the hopper, the OSI heard a loud "boom" sound and then saw flames coming out of the incinerator under the fire door filling the hopper with smoke as well as flames coming out from around the ram system.	No waste was fed until the CO level returned to the normal operating.
3/27/2021	7:00	0:00	17:00	Normal	313.5	361.8	High CO levels occurred due to an electrical fault in the limit switch system that then caused the upper burner to shut off. At the same time the flame scanner for the upper burner had failed, this prevented the upper burner from relighting.	After the issue was identified, the flame scanner was replaced and the burner became operational again. The flame scanner had been replaced in September 2020 and was on a annual replacment schedule. Due to the failure the flame scanner is now on a semi-annual replacment scheudle. No waste was fed during this period.

Secondary Chamber Temperature < 1000°C

Date	Start Time	Stop Time	Duration	Op. Mode	Temp. °C	Explanation	Actions Taken
3/27/2021	5:50	20:18	14:28	Normal	782	Low upper chamber temperatures occurred due to an electrical fault in the limit switch system that then caused the upper burner to shut off. At the same time the flame scanner for the upper burner had failed, this prevented the upper burner from relighting.	After the issue was identified, the flame scanner was replaced and the burner became operational again. The flame scanner had been replaced in September 2020 and was on a annual replacment schedule. Due to the failure the flame scanner is now on a semi-annual replacment scheudle. No waste was fed during this period.

Quench pH out of Range (<6.4pH / >10.4pH)

Quench pH out of Range (<6.4pH / >10.4pH)

	Start	Stop		Op.	Quench		Action
Date	Time	Time	Duration	Mode	pH	Explanation	Taken
3/25/2021	18:40	21:52	3:12	Normal	6.1	Caustic System lost prime from main line	Maintenance re primed the system

Condenser pH out of range (<6.4pH / >10.4pH)

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Condenser pH out of range (<6.4pH / >10.4pH)

	Start	Stop		Op.	Condenser		Action
Date	Time	Time	Duration	Mode	pH	Explanation	Taken
3/26/2021	23:04	4:16	5:12	Normal	6.3	Caustic Pump lost prime	Maintenance reprimed system
			0:00				
			0:00				
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Atomizer pH out of Range (<6.4pH / > 10.4pH)

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Atomizer pH out of Range (<6.4pH / > 10.4pH)

Date	Start	Stop	Duration	Op. Mode	Atomizer pH	Explanation	Action Taken
3/14/2021	18:15	22:01	3:46	Normal	4.7	Caustic pump lost prime	Maintenance re primed the system
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				
			0:00				

Differential from Demister < 10 C

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Differential from Demister < 10°C

	Start	Stop		Op.	Differential Temp		Actions
Date	Time	Time	Duration	Mode	Outlet °C	Explanation	Taken
3/4/2021	5:49	8:49	3:00	Normal	8.7	High Demister Temperatures caused by waste falling over inside the incinerator	The operator slowed feeding until differential temperature came under control
3/14/2021	18:13	1:18	7:05	Normal	2.4	Low differential temperature caused by incorrect reheat steam valve setting on start-up	Maintenance adjusted the valve to the proper setting.
3/15/2021	5:21	10:14	4:53	Normal	5.6	High Demister Temperatures caused by waste falling over inside the incinerator	The operator slowed feeding until differential temperature came under control
3/28/2021	4:02	8:58	4:56	Normal	7.7	Cooling Tower system pressure dropped to 20PSI	Maintenance turned on secondary pump to allow system to increase pressure
3/28/2021	12:24	17:58	5:34	Normal	9.6	Cooling Tower system pressure dropped to 20PSI	Maintenance turned on secondary pump to allow system to increase pressure
3/29/2021	3:24	12:22	8:58	Normal	8.4	Low differential temperatures caused by high primary chamber temperatures transfering heat through the APC system.	Maintenance monitored the differential temperature.