



REPUBLIC
SERVICES

28470 Citrin Drive Romulus, MI 48174
o 734.946.1000 republicservices.com

April 30th, 2022

Mr. Allan Batka
United States Environmental Protection Agency
Region 5 (WU-16J)
77 West Jackson Blvd.
Chicago, IL 60604

Re: RIES Monthly Report

Dear Mr. Batka:

Republic Industrial and Energy Solutions, LLC (RIES) hereby submits the Ninety Eighth Monthly Report ("MR") in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011). RIES is providing all the attached information in the same sequence as required by both subject permits, i.e. Part II. D.1 (a-i), Part III, Attachment A, and Part III, Attachment E.G.2 & E.I.

RIES accepted F039 waste in March of 2022 so as stated on page A-3 of RIES's two EPA UIC permits an analysis is required and is included in this report.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my supervision and interaction with the persons who manage and operate the system, and those persons responsible for the collection of the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

We trust that you find this report satisfactory, however, if you have any questions or comments, please feel free to contact us.

Sincerely,



John K. Frost

cc: Rick Sauve (Republic Services)

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2022CURRENT REPORTING MONTH March

Date (month, year) of the first injection into either well at the Citrin Road Facility

November 2013

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
MI-163-1W-C010, Well #1-12			
Current Month	1,819,157	0	1,819,157
Since facility first injected			44,356,251
MI-163-1W-C011, Well #2-12			
Current Month	1,581,564	0	1,581,564
Since facility first injected			23,759,398
		Lifetime Combined	68,115,648

Conversion factors

365.25 days per year ÷ 12 months per year = 30.4375 days per month

30.4375 days per month × 1440 minutes per day = 43,830 minutes per month

CalculationsWhole number of months of injection 9999 lifetime number of months of injection × 43,830 minutes/month= 4,339,170 minutes of injectionLifetime combined injected volume 68,115,648 ÷ 4,339,170 minutes of injection= 15.70 gpm average injection rate

WELL 1 DATA

Injection Well 1, March 2022

	Injection Pressure (psig)		Annulus Tank Level (Inch)		Annulus Pressure (psig)		Injection pH		Flow Rate (gpm)		Differential Pressure (psig)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
3/1/2022	122.2	869.6	26.5	26.7	1132.9	1455.7	7.0	7.4	0.0	76.6	577.0	1043.3
3/2/2022	123.4	866.0	26.5	26.7	1148.3	1438.6	6.6	7.5	0.0	75.6	522.6	1051.1
3/3/2022	129.2	866.7	26.5	26.7	1057.3	1438.6	1.4	7.4	0.0	75.6	417.6	1031.6
3/4/2022	146.0	917.1	26.4	26.6	1052.6	1391.1	5.1	7.6	0.0	76.7	422.4	982.9
3/5/2022	118.7	891.8	26.5	26.7	1096.4	1495.1	1.9	7.7	0.0	75.5	515.4	1013.1
3/6/2022	111.1	842.7	26.6	26.8	1131.2	1462.3	7.0	7.4	0.0	75.5	592.7	1044.7
3/7/2022	109.9	916.9	26.6	26.7	1141.1	1463.0	7.0	7.4	0.0	75.5	517.0	1053.0
3/8/2022	117.7	884.4	26.5	26.7	1156.2	1669.2	1.8	7.3	0.0	75.8	572.0	1042.3
3/9/2022	125.2	898.1	26.6	26.7	1214.7	1612.7	1.9	7.4	0.0	75.5	545.8	1125.6
3/10/2022	80.4	910.3	26.6	26.7	1071.5	1435.3	7.1	7.4	0.0	99.9	391.3	1041.0
3/11/2022	153.3	894.9	26.5	26.6	1044.3	1475.3	2.6	7.4	0.0	76.5	459.0	970.9
3/12/2022	124.3	879.5	26.5	26.6	1061.2	1413.0	7.1	7.4	0.0	75.6	423.7	1013.6
3/13/2022	109.2	861.2	26.4	26.5	1051.3	1388.0	7.1	7.5	0.0	75.6	466.2	1016.2
3/14/2022	110.6	898.8	26.4	26.7	1081.1	1403.2	7.0	7.4	0.0	75.9	482.9	1022.9
3/15/2022	134.4	895.4	26.6	26.8	1104.6	1437.6	6.9	7.3	0.0	76.5	496.5	985.2
3/16/2022	140.9	906.7	26.6	26.7	1117.0	1494.3	7.0	7.4	0.0	76.8	488.3	989.3
3/17/2022	147.0	915.9	26.6	26.8	1106.9	1466.4	6.9	7.3	0.0	76.2	520.9	982.1
3/18/2022	138.3	931.1	26.7	26.8	1139.8	1501.6	2.2	7.5	0.0	76.4	541.9	1002.6
3/19/2022	135.5	914.2	26.7	26.8	1153.2	1501.3	2.4	7.5	0.0	79.4	549.3	1017.3
3/20/2022	126.9	897.0	26.6	26.7	1148.4	1505.3	7.1	7.6	0.0	79.5	593.3	1022.7
3/21/2022	122.4	916.6	26.6	26.8	1143.1	1579.9	5.5	7.6	0.0	79.3	582.8	1059.8
3/22/2022	104.0	924.8	26.6	26.8	1175.0	1561.4	5.7	7.5	0.0	75.9	602.8	1083.7
3/23/2022	142.2	925.5	26.6	26.7	1172.0	1591.2	5.5	7.4	0.0	75.9	553.3	1052.6
3/24/2022	104.6	947.0	26.6	26.7	1184.0	1553.2	5.8	7.4	0.0	74.4	588.1	1091.8
3/25/2022	144.7	954.2	26.6	26.7	1160.2	1585.3	6.8	10.2	0.0	74.2	580.6	1015.5
3/26/2022	110.5	941.4	26.6	26.7	1044.3	1573.0	1.3	9.1	0.0	211.9	457.6	1062.1
3/27/2022	136.8	896.3	26.5	26.6	1112.8	1456.4	1.5	7.7	0.0	70.6	515.7	989.0
3/28/2022	130.6	889.1	26.4	26.5	1125.1	1546.4	4.5	8.2	0.0	73.2	530.8	994.7
3/29/2022	116.6	910.4	26.4	26.6	1137.8	1521.8	5.0	9.2	0.0	73.2	459.5	1022.5
3/30/2022	139.9	908.0	26.5	26.7	1104.3	1510.7	4.5	7.1	0.0	74.4	446.7	991.1
3/31/2022	129.6	907.7	26.5	26.7	1132.9	1494.8	4.5	8.3	0.0	73.7	551.2	1005.3

Circle Chart Index

Republic Industrial Energy Solutions, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure (chart value x 30)

Channel #2

Red Pen — Well 1 Annulus Pressure (chart value x 30)

Channel #3

Green Pen — Well 1 Flow Rate (chart value x 4)

Channel #4

Black Pen — Well 1 Annulus Tank Level (chart value x 0)

Chart Recorder #2

Channel #1

Blue Pen — Well 2 Injection Pressure (chart value x 30)

Channel #2

Red Pen — Well 2 Annulus Pressure (chart value x 30)

Channel #3

Green Pen — Well 2 Flow Rate (chart value x 4)

Channel #4

Black Pen — Well 2 Annulus Tank Level (chart value x 0)

Chart Recorder #3

Channel #1

Blue Pen — Injection pH Well 1 & 2 (chart value 3.3)

Channel #2

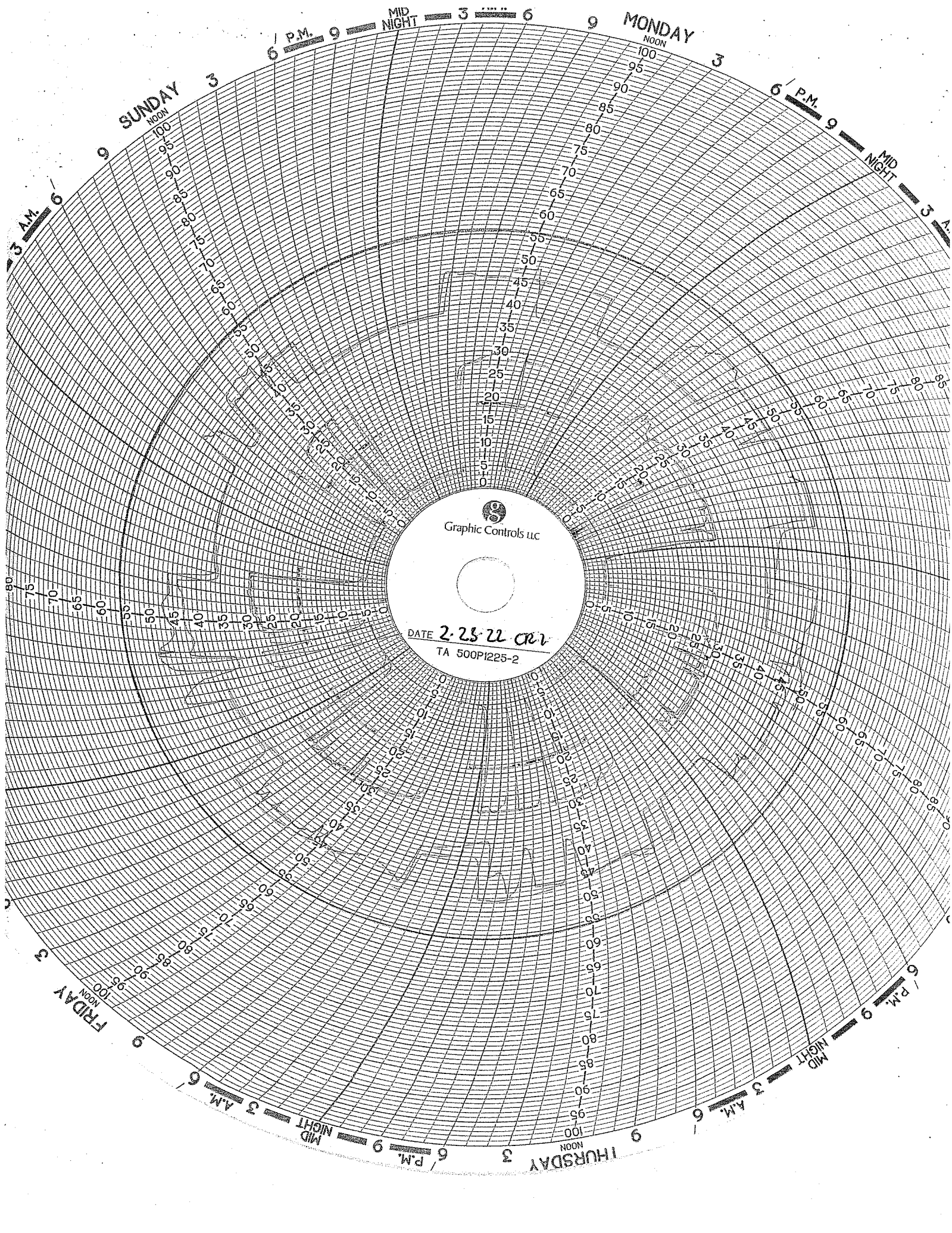
Red Pen — Well 1 Monthly Volume (chart value x 100,000)

Channel #3

Green Pen — Well 2 Monthly Volume (chart value x 100,000)

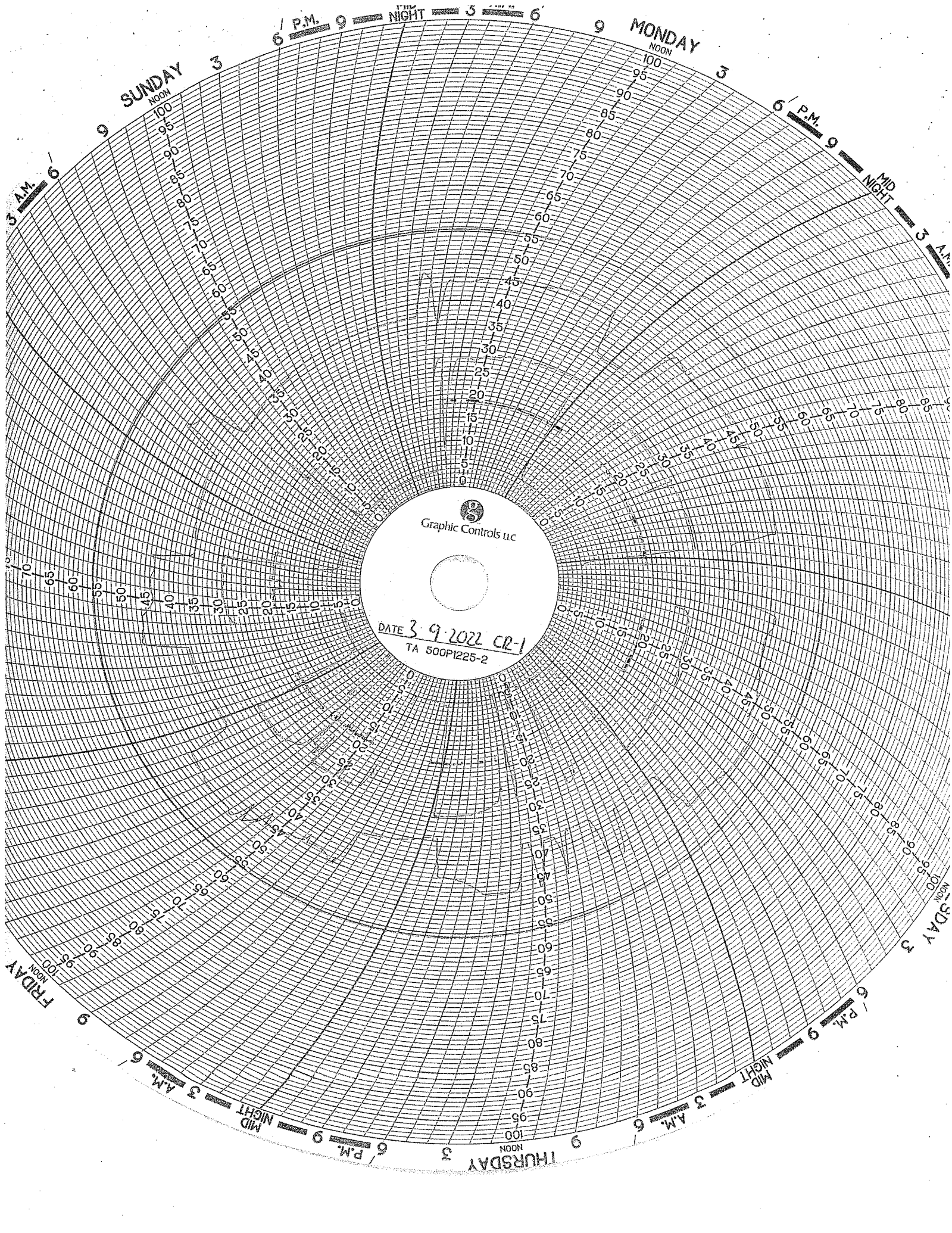
channel *tm*

Black Pen — Temperature (chart value x 0)



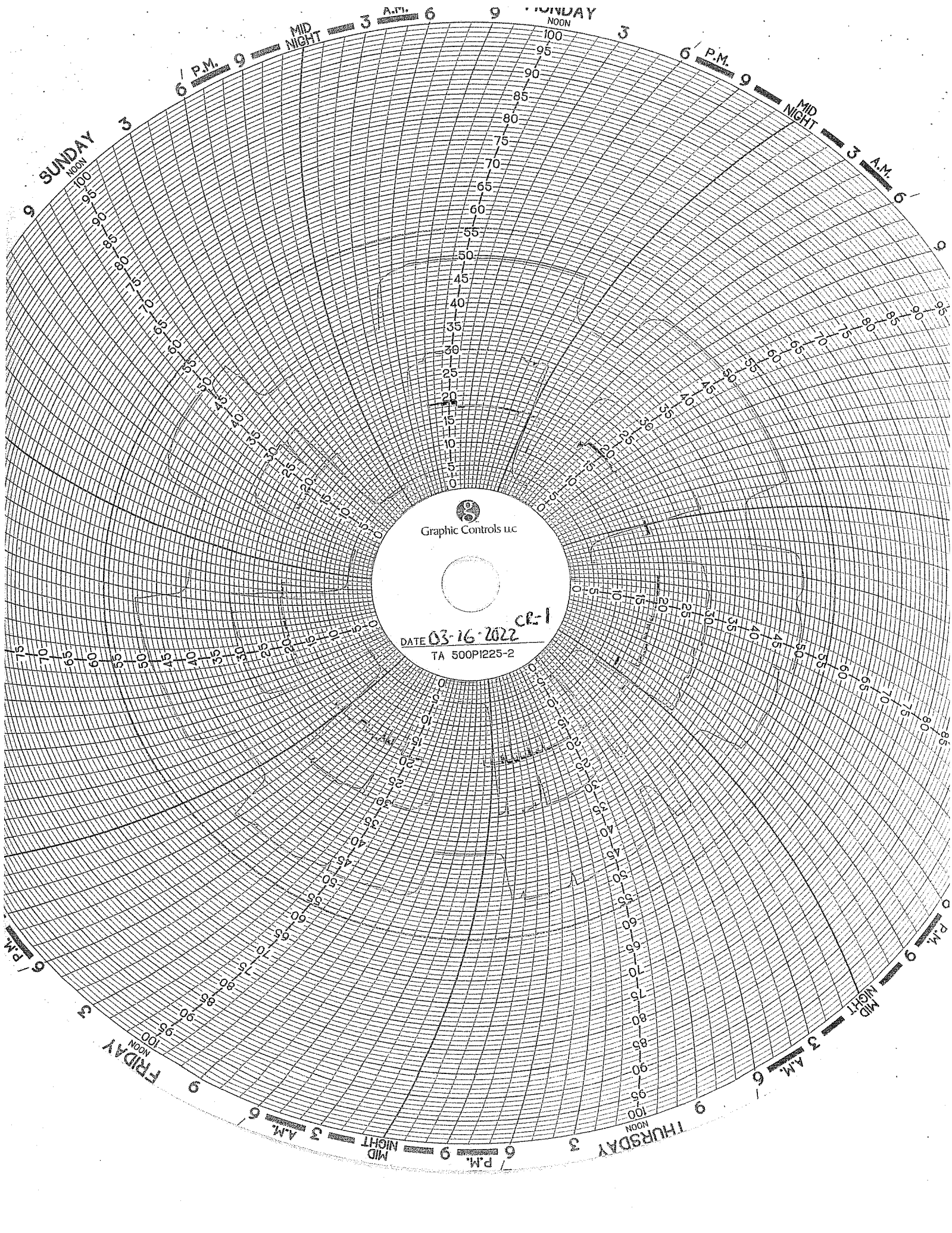
Graphic Controls LLC

DATE 2-23-22 *CRV*
TA 500PI225-2



Graphic Controls LLC

DATE 3-9-2022 CR-1
TA 500PI225-2

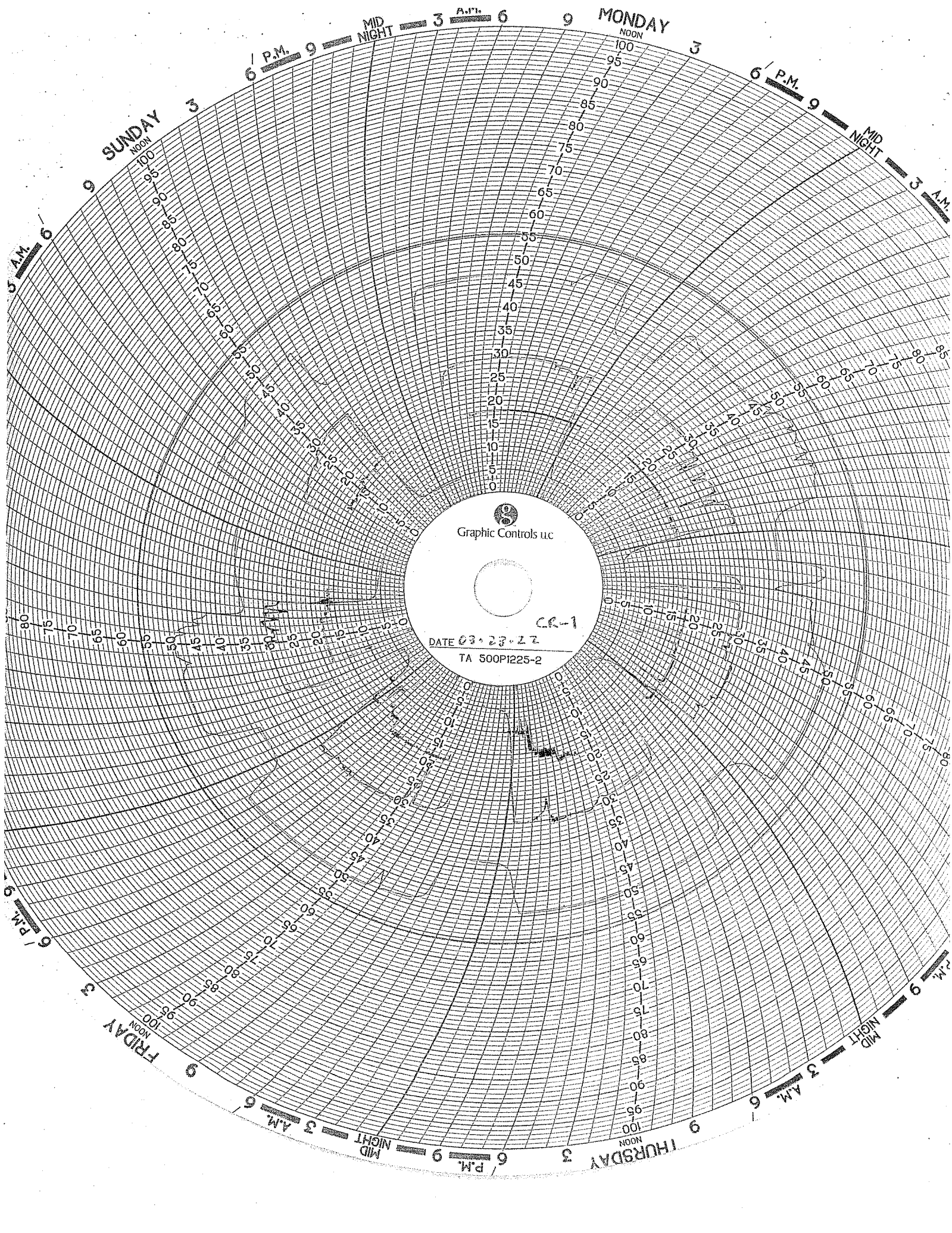


Graphic Controls LLC

DATE 03-16-2022

TA 500PI225-2

CR-1

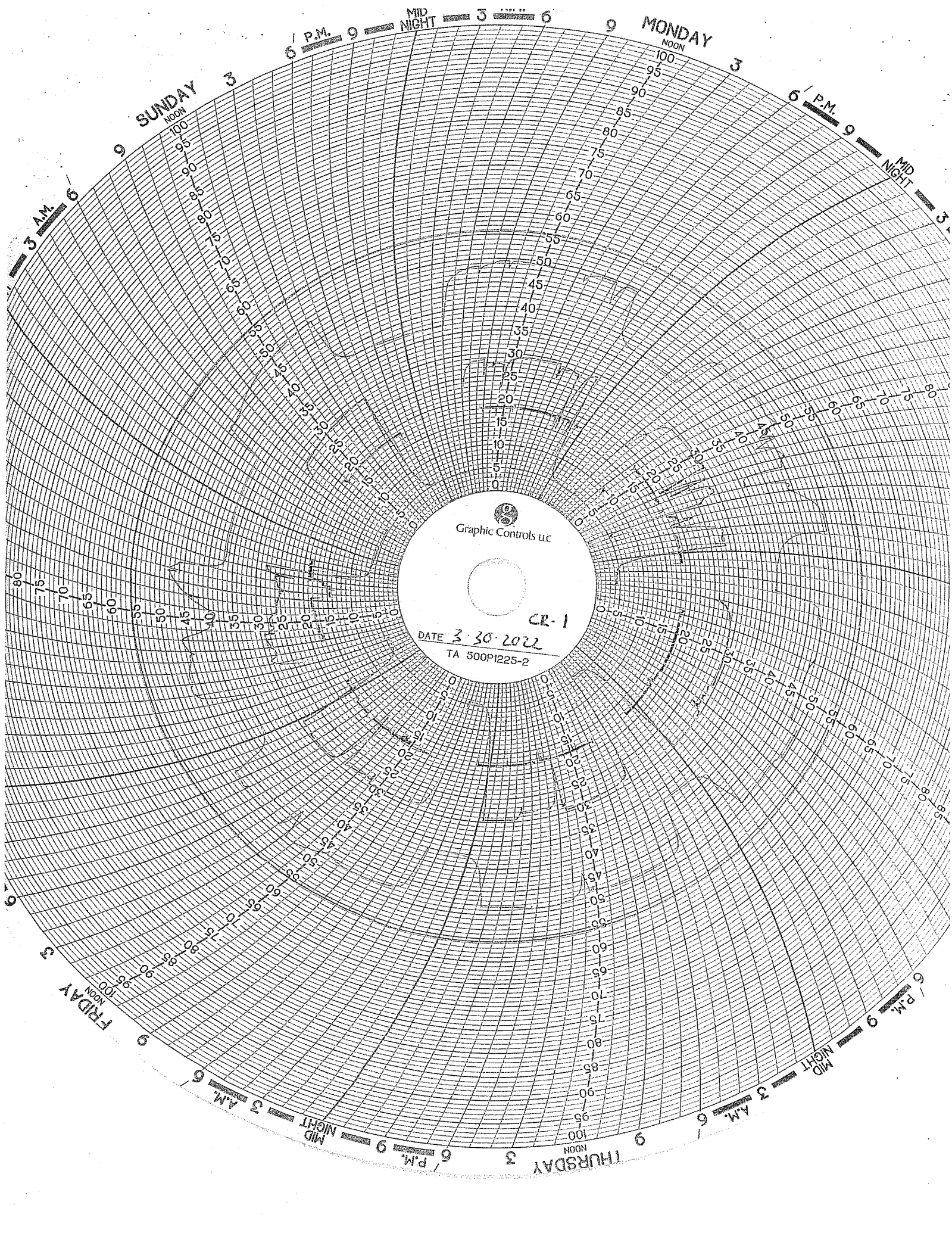


Graphic Controls LLC

CR-1

DATE 03-23-22

TA 500P1225-2



Graphic Controls LLC

CR-1

DATE 3-30-2022

TA 500P1225-2

WELL 2 DATA

Injection Well 2, March 2022

	Injection Pressure (psig)		Annulus Tank Level (inch)		Annulus Pressure (psig)		Injection pH		Flow Rate (gpm)		Differential Pressure (psig)	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
3/1/2022	98.2	872.8	31.4	31.6	1160.0	1556.3	2.0	7.9	0.0	78.3	607.0	1119.0
3/2/2022	138.5	890.9	31.5	31.6	1185.3	1515.5	1.9	8.4	0.0	77.6	487.7	1061.0
3/3/2022	107.8	861.9	31.4	31.6	1061.9	1,479.7	1.4	7.0	0.0	77.5	436.9	1081.3
3/4/2022	129.7	923.1	31.4	31.5	1059.2	1,457.9	2.2	9.1	0.0	77.7	480.2	1030.4
3/5/2022	87.3	800.5	31.4	31.6	1,124.0	1,540.2	1.9	7.7	0.0	78.1	675.7	1118.1
3/6/2022	91.4	773.5	31.6	31.7	1193.1	1,581.6	1.9	6.3	0.0	78.4	729.0	1,141.0
3/7/2022	77.7	859.8	31.5	31.7	1,201.1	1,560.3	1.3	7.3	0.0	77.7	564.5	1128.0
3/8/2022	72.1	899.3	31.5	31.6	1,194.2	1,694.2	1.8	7.3	0.0	77.7	593.3	1123.9
3/9/2022	131.6	920.5	31.5	31.7	1248.1	1,756.4	1.7	7.3	0.0	78.8	550.6	1158.8
3/10/2022	103.6	921.2	31.5	31.7	1,120.6	1,653.1	1.7	7.4	0.0	78.8	462.6	1118.8
3/11/2022	154.6	930.8	31.4	31.6	1,141.8	1,646.9	1.8	7.3	0.0	78.6	462.0	1032.7
3/12/2022	108.8	891.9	31.4	31.6	1,204.8	1,603.1	4.4	7.3	0.0	78.3	501.4	1,114.0
3/13/2022	55.8	820.0	31.3	31.4	1,182.5	1,506.4	5.0	6.7	0.0	77.8	686.0	1127.1
3/14/2022	39.0	904.1	31.4	31.7	1,173.4	1,528.9	1.7	7.4	0.0	78.7	545.4	1135.4
3/15/2022	143.1	917.2	31.5	31.7	1,155.3	1,504.3	2.1	7.3	0.0	78.5	541.2	1034.8
3/16/2022	150.2	925.8	31.5	32.0	1,161.0	1,540.2	4.0	7.4	0.0	78.3	529.6	1030.9
3/17/2022	154.9	922.7	31.9	32.1	1,164.3	1,609.6	5.3	7.3	0.0	78.9	584.0	1025.5
3/18/2022	126.7	908.3	32.0	32.1	1,193.8	1,613.8	2.2	7.3	0.0	79.0	600.1	1105.6
3/19/2022	134.8	891.9	32.0	32.1	1,204.7	1,566.5	2.3	7.5	0.0	79.6	650.0	1074.4
3/20/2022	123.5	879.0	31.9	32.0	1,199.3	1,605.9	5.6	7.4	0.0	79.4	673.7	1103.9
3/21/2022	118.6	884.2	31.9	32.1	1,203.4	1,628.2	5.5	7.5	0.0	79.4	650.3	1092.5
3/22/2022	103.6	907.9	32.0	32.1	1,222.5	1,675.7	5.2	7.9	0.0	79.5	671.2	1128.9
3/23/2022	147.8	914.0	31.9	32.0	1,225.7	1,720.1	5.5	7.4	0.0	79.6	592.5	1078.5
3/24/2022	102.9	912.8	31.9	32.1	1,239.0	1,699.6	4.4	8.4	0.0	78.3	648.1	1146.3
3/25/2022	157.0	910.3	32.0	32.1	1,227.7	1,776.8	5.3	11.0	0.0	77.5	628.9	1071.3
3/26/2022	113.5	926.3	31.9	32.1	1,080.0	1,643.9	1.3	9.1	0.0	79.1	479.4	1166.4
3/27/2022	136.9	892.8	31.8	31.9	1,166.8	1,621.7	1.5	8.9	0.0	79.2	601.8	1050.9
3/28/2022	131.8	886.4	31.7	31.8	1,187.3	1,611.3	4.5	8.2	0.0	77.5	579.0	1057.4
3/29/2022	117.3	904.6	31.7	31.9	1,190.0	1,582.4	5.0	9.2	0.0	77.5	499.5	1073.1
3/30/2022	142.3	904.2	31.8	32.0	1,172.4	1,566.9	4.4	7.1	0.0	79.0	487.7	1038.8
3/31/2022	133.0	905.9	31.9	32.0	1,185.2	1,550.4	4.5	8.3	0.0	78.8	602.8	1052.6

Circle Chart Index

Republic Industrial Energy Solutions, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure (chart value x 30)

Channel #2

Red Pen — Well 1 Annulus Pressure (chart value x 30)

Channel #3

Green Pen — Well 1 Flow Rate (chart value x 4)

Channel #4

Black Pen — Well 1 Annulus Tank Level (chart value x 0)

Chart Recorder #2

Channel #1

Blue Pen — Well 2 Injection Pressure (chart value x 30)

Channel #2

Red Pen — Well 2 Annulus Pressure (chart value x 30)

Channel #3

Green Pen — Well 2 Flow Rate (chart value x 4)

Channel #4

Black Pen — Well 2 Annulus Tank Level (chart value x 0)

Chart Recorder #3

Channel #1

Blue Pen — Injection pH Well 1 & 2 (chart value 3.3)

Channel #2

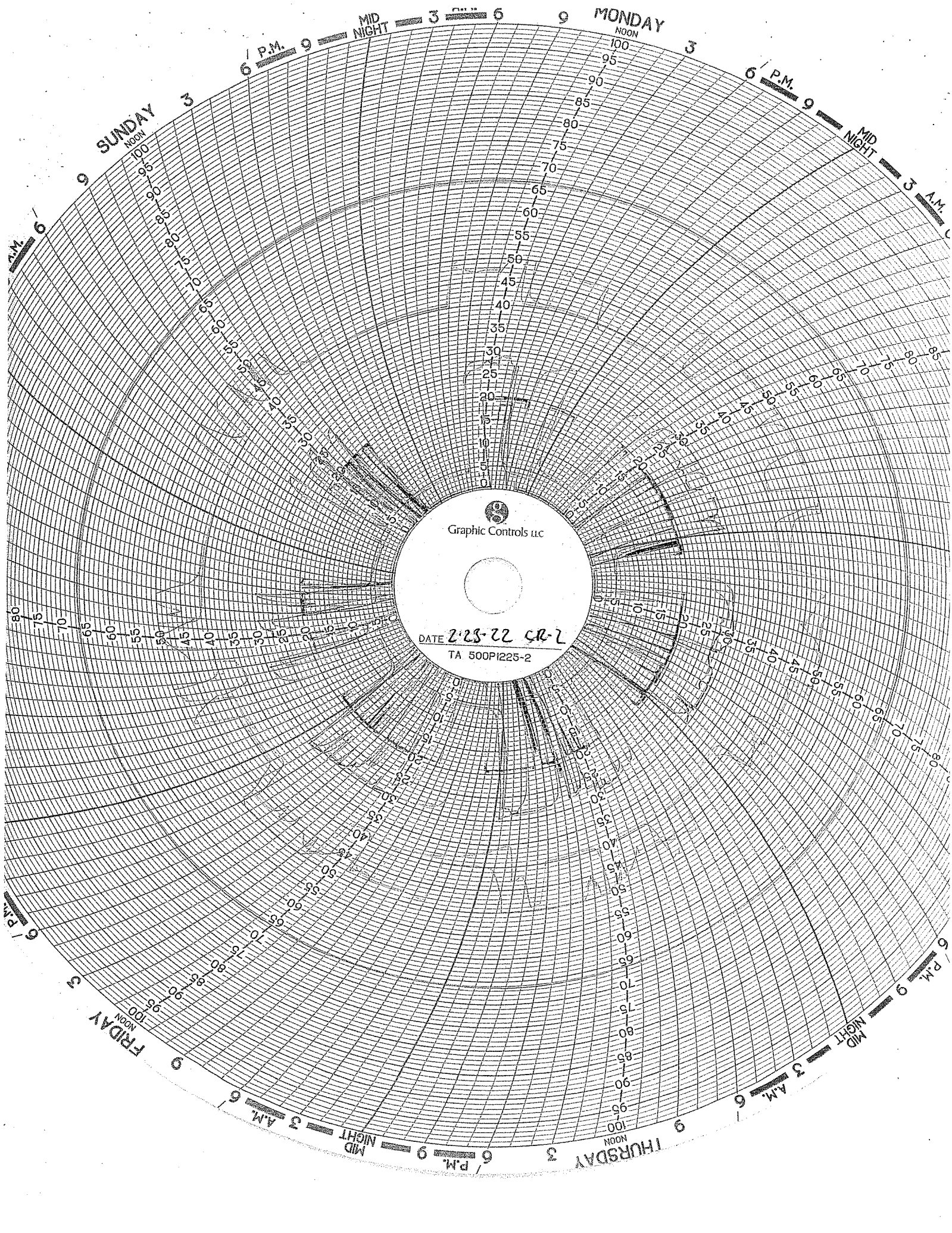
Red Pen — Well 1 Monthly Volume (chart value x 100,000)

Channel #3

Green Pen — Well 2 Monthly Volume (chart value x 100,000)

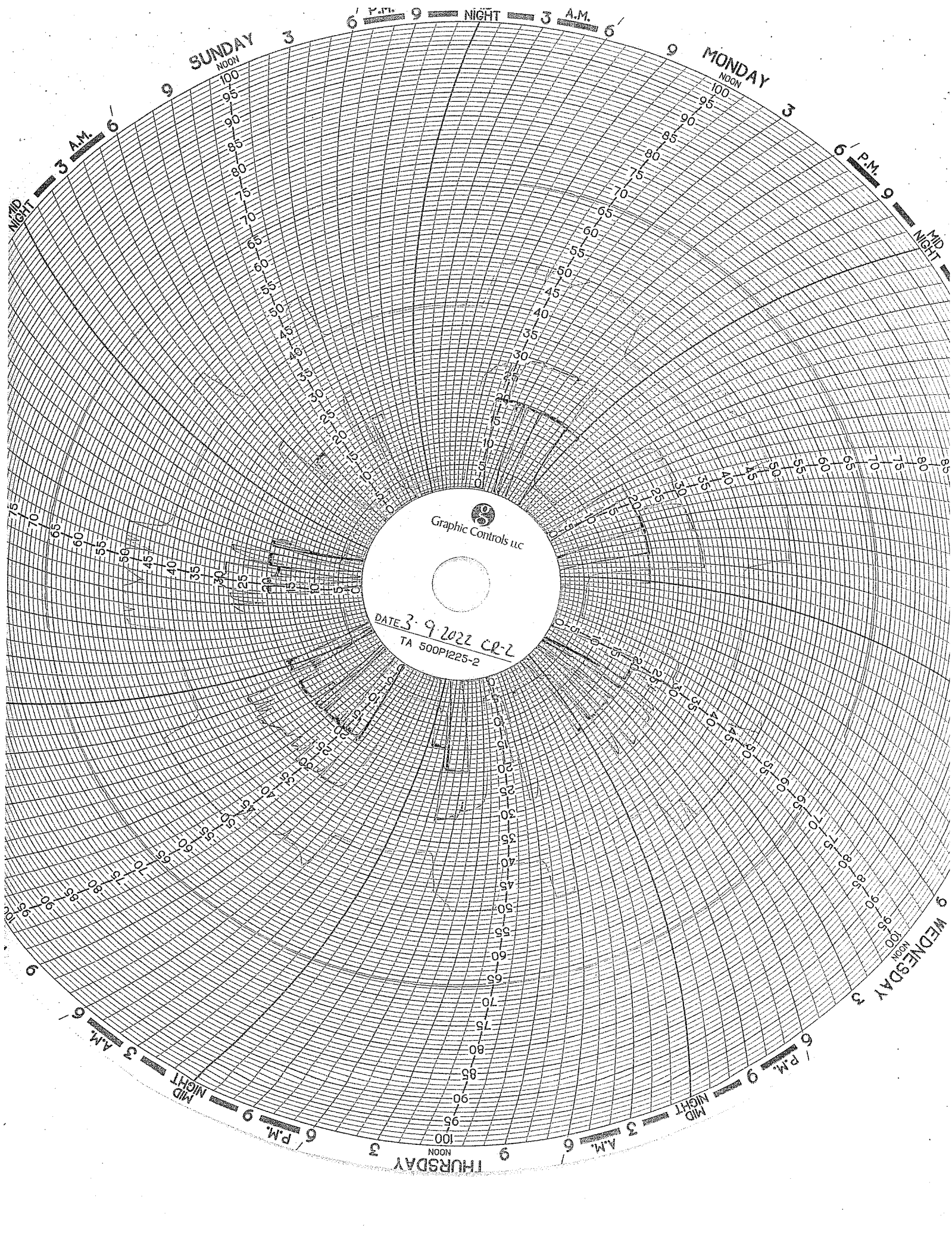
channel *tm*

Black Pen — Temperature (chart value x 0)



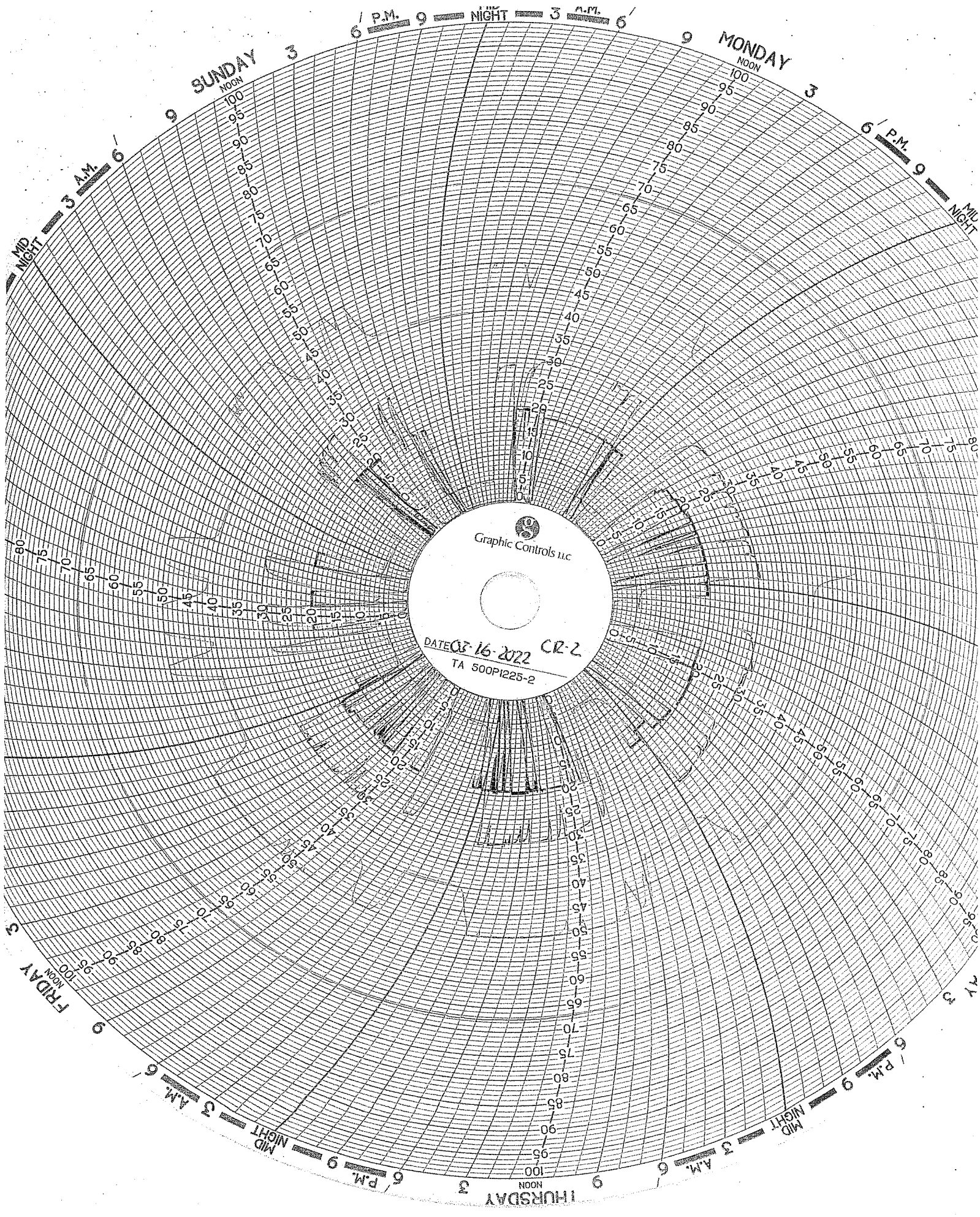
Graphic Controls LLC

DATE 2-23-22 CR-2
TA 500PI225-2



Graphic Controls LLC

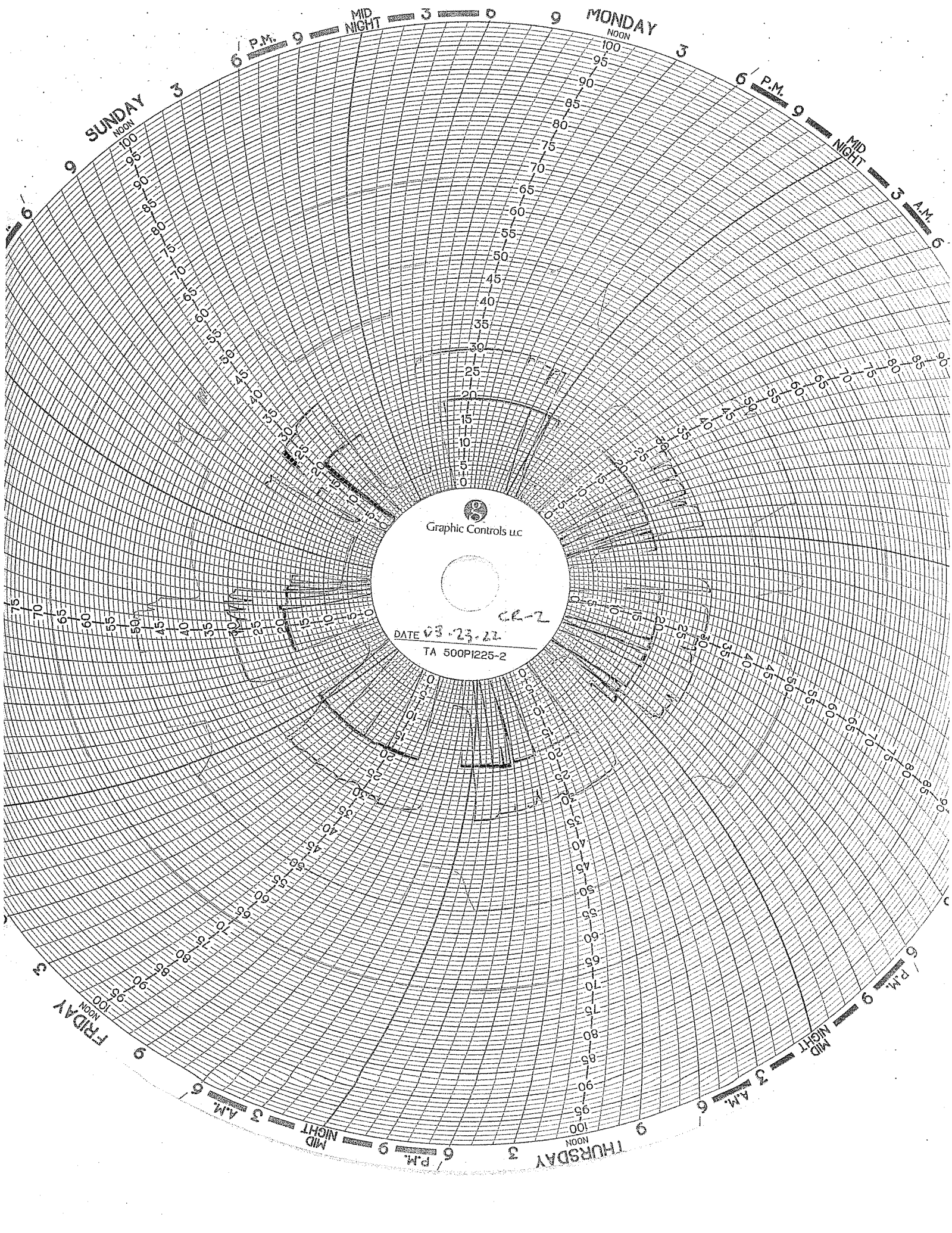
DATE 3-9-2022 CR-2
TA 500PI225-2



Graphic Controls LLC

DATE 03-16-2022 CR-2

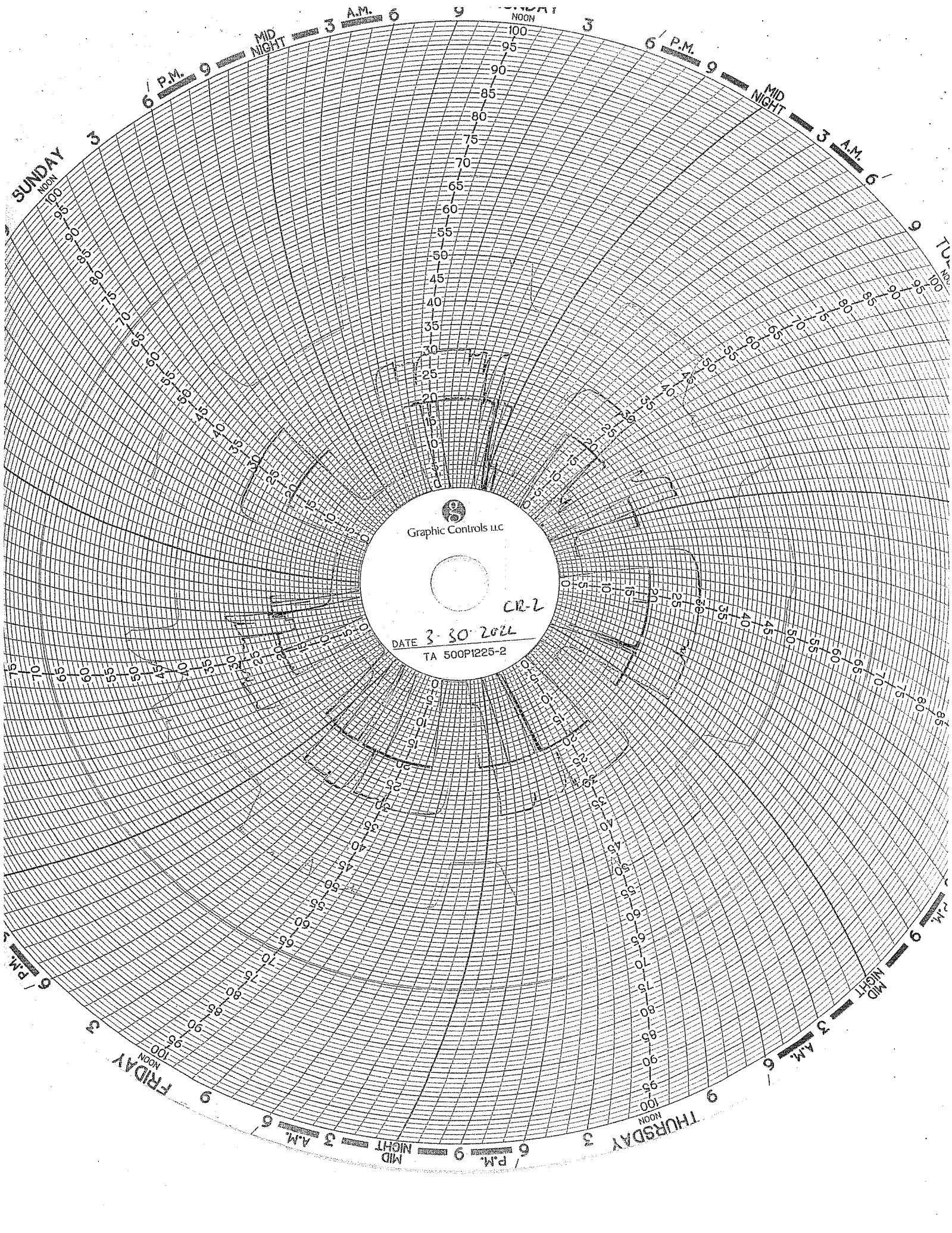
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Graphic Controls LLC

DATE 03-23-22

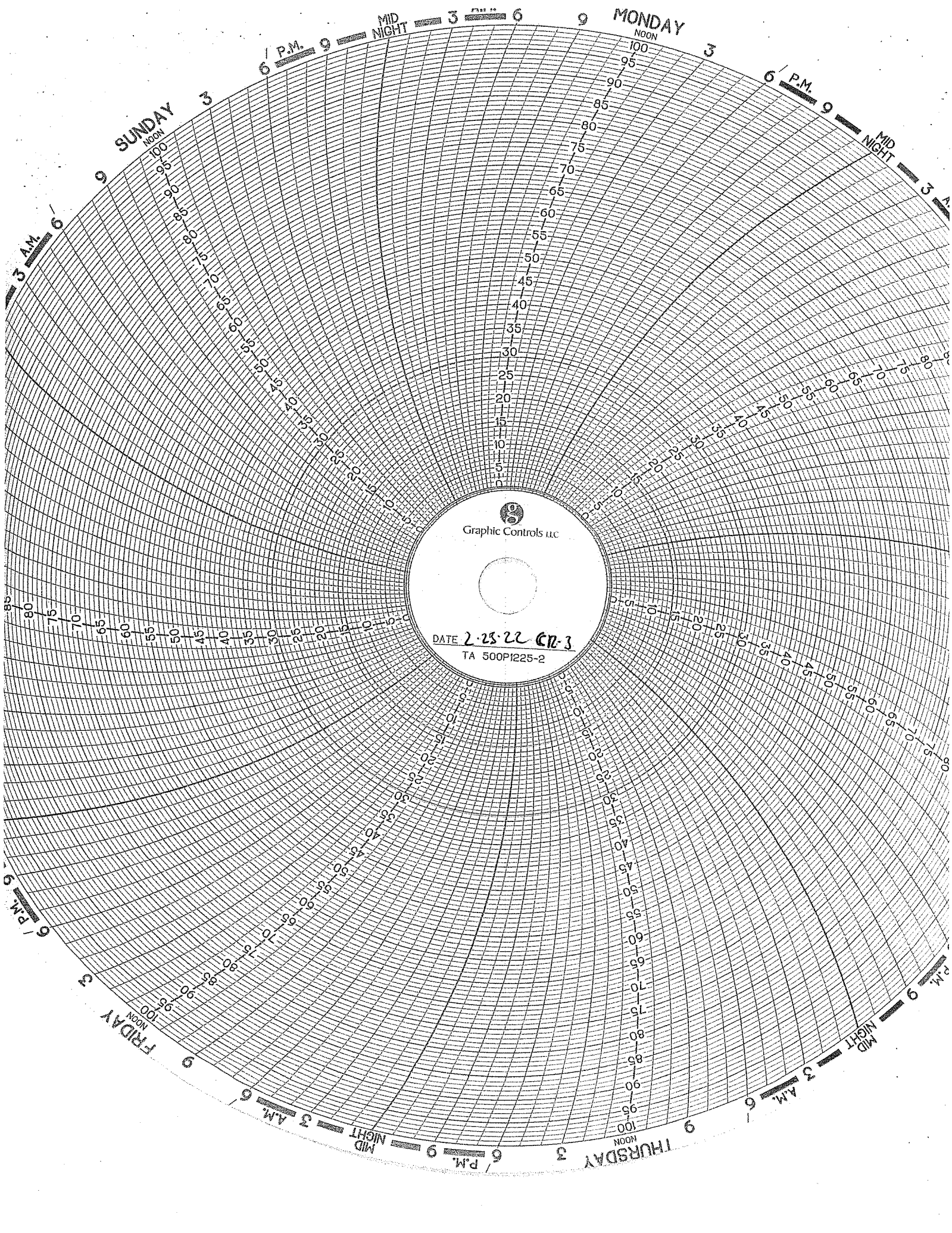
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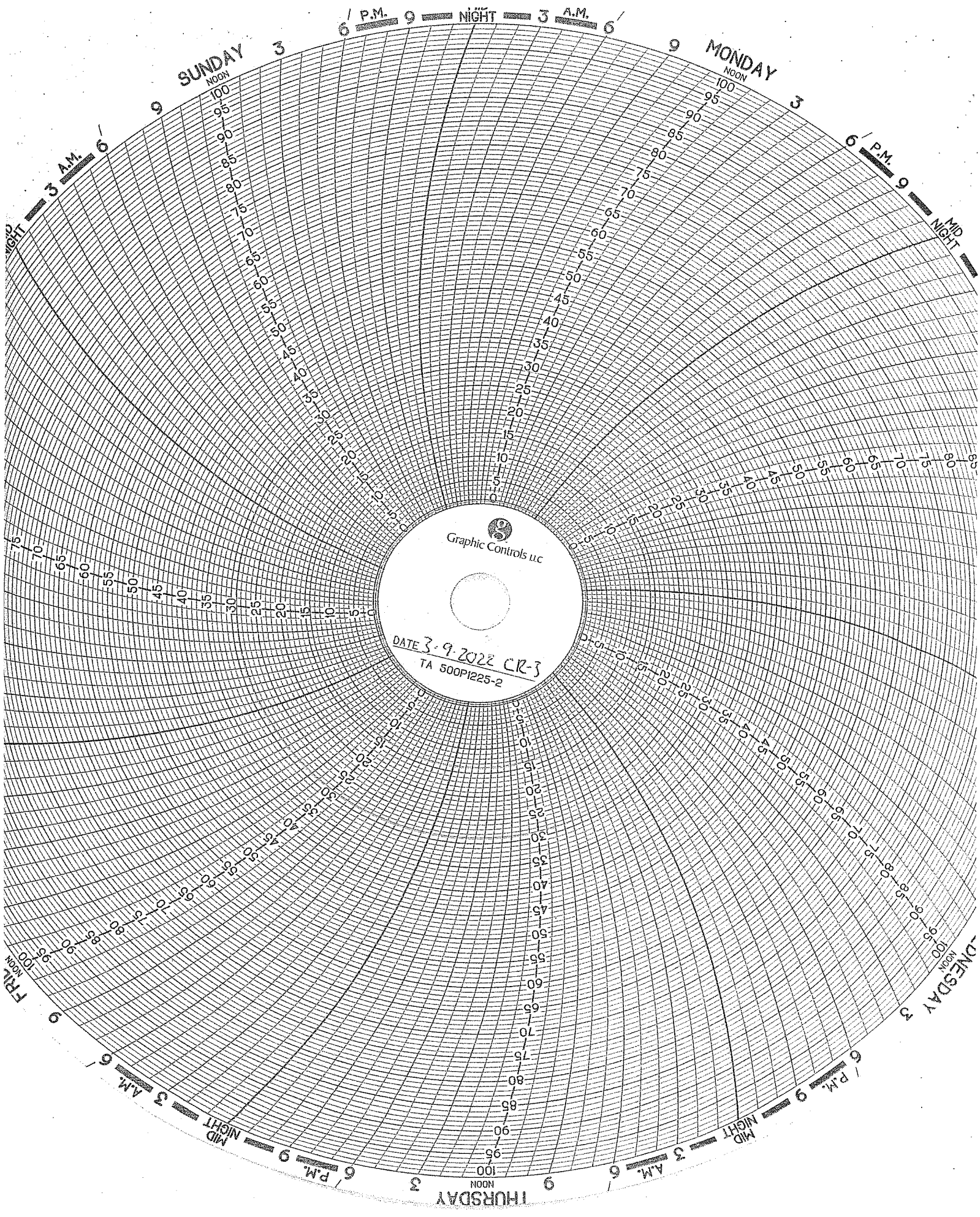
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DATE 3-30-2022
TA 500PI225-2



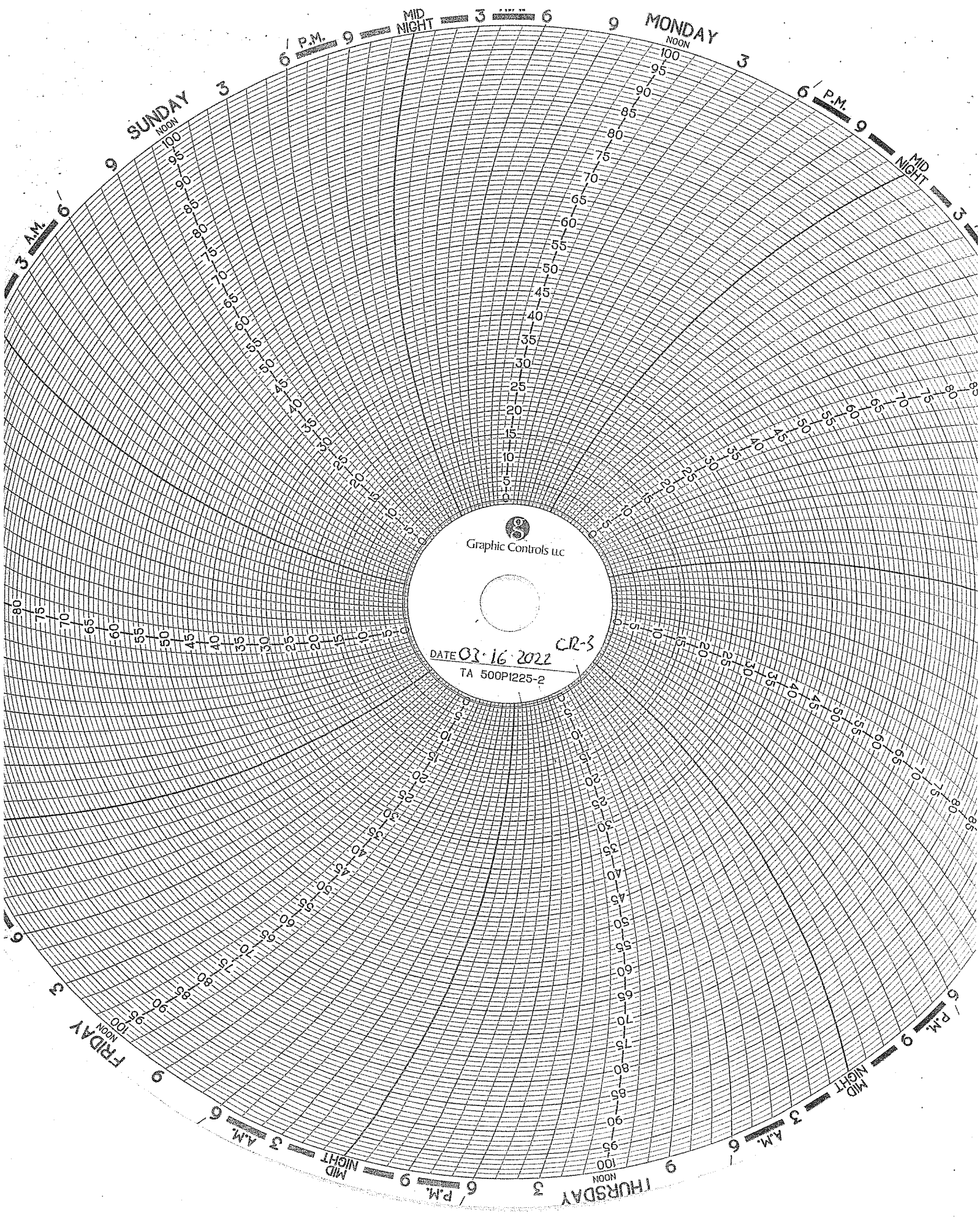
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DATE 2-25-22 EN-3
TA 500P1225-2



Graphic Controls LLC

DATE 3-9-2022 CR-3
TA 500PI225-2

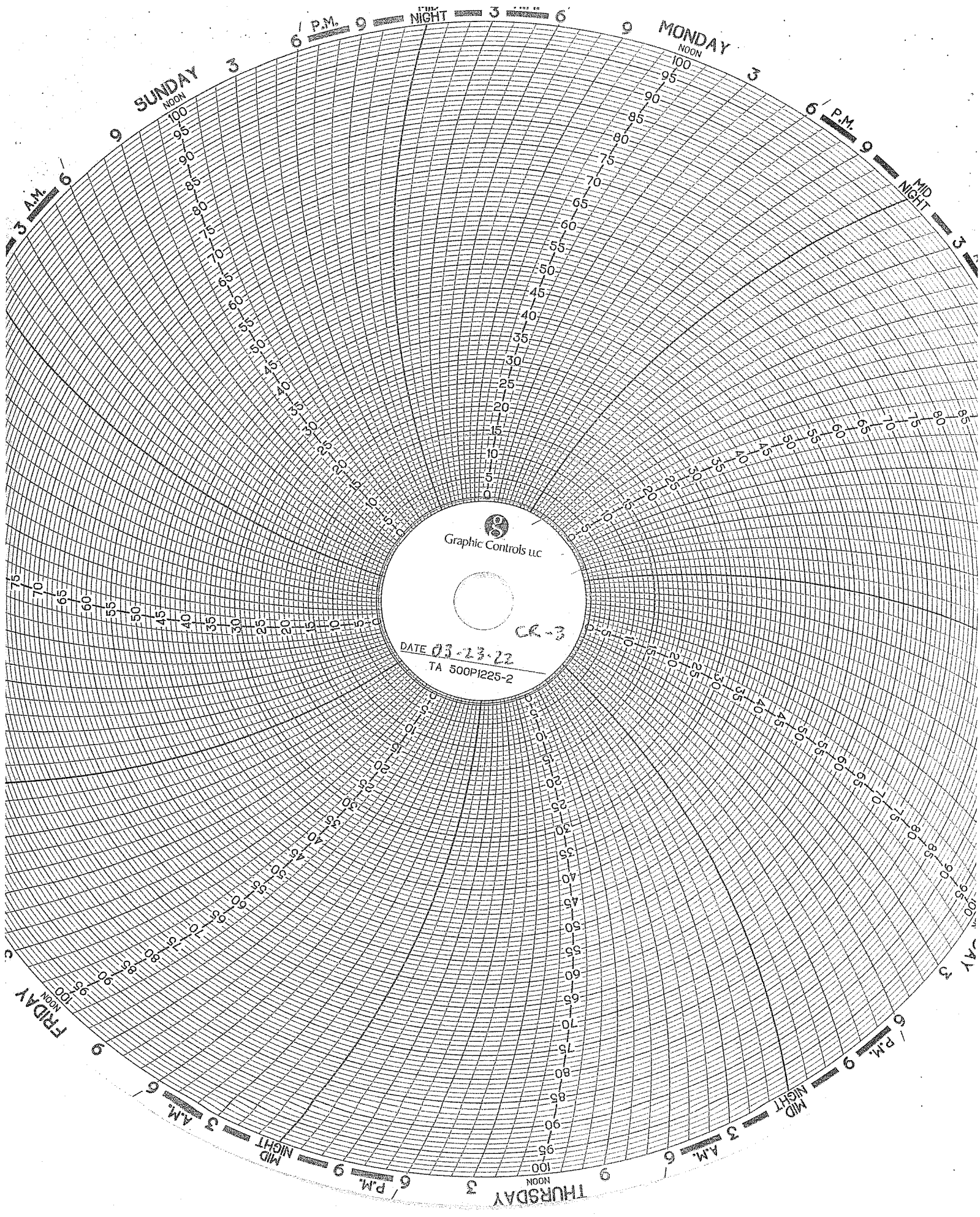


Graphic Controls LLC

DATE 03-16-2022

CR-3

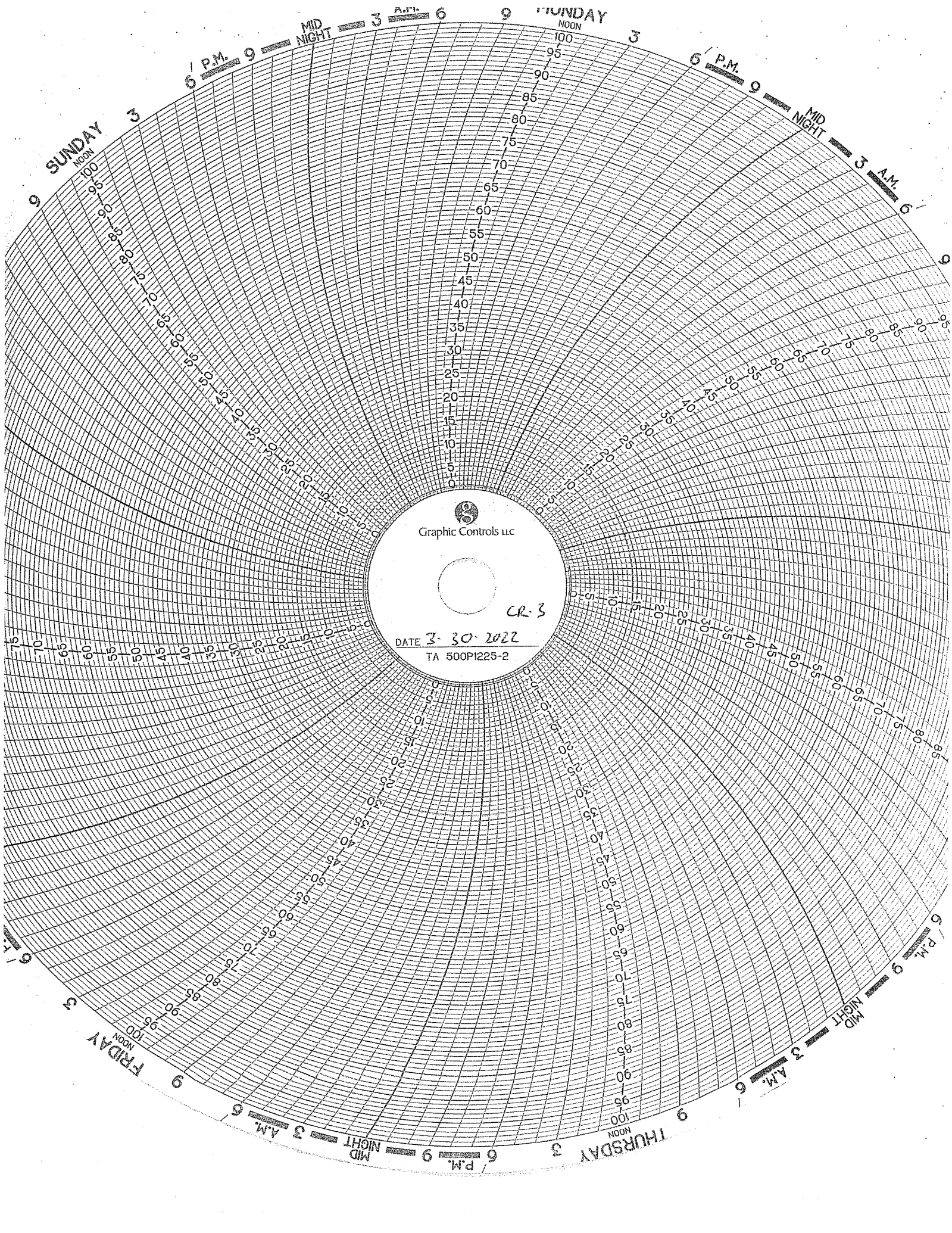
TA 500PI225-2



Graphic Controls LLC

CR-3

DATE 03-23-22
TA 500PI225-2



Graphic Controls LLC

CR-3

DATE 3-30-2022
TA 500PI225-2

CORROSION MONITORING

CORROSION MONITORING PLAN
COUPON SUMMARY

Date	Hastelloy	Stainless Steel	Fiberglass	
	(C267)	(316L)	(Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 g	7.196 g	
7/11/2014	13.323 g	10.304 g	7.196 g	
8/12/2014	13.328 g	10.045 g	7.182 g	
9/17/2014	13.321 g	9.997 g	7.090 g	
10/30/2014	13.321 g	9.387 g	7.075 g	
11/21/2014	13.320 g	9.386 g	7.069 g	
12/19/2014	13.321 g	9.315 g	7.084 g	
1/12/2015	13.321 g	9.289 g	7.063 g	New hastelloy coupon
2/23/2015	13.339 g	9.286 g	7.005 g	
3/31/2015	13.339 g	9.286 g	7.005 g	
4/27/2015	13.335 g	9.130 g	6.852 g	
5/21/2015	13.336 g	9.124 g	6.809 g	
6/12/2015	13.334 g	9.126 g	6.819 g	
7/27/2015	13.337 g	9.127 g	6.818 g	
8/26/2015	13.337 g	9.022 g	6.780 g	
9/21/2015	13.336 g	8.987 g	6.792 g	
10/19/2015	13.335 g	8.985 g	6.797 g	
11/16/2015	13.334 g	8.982 g	6.788 g	
12/17/2015	13.334 g	8.933 g	6.791 g	
1/29/2016	13.334 g	8.931 g	6.788 g	
2/16/2016	13.332 g	8.799 g	6.757 g	
3/31/2016	13.339 g	9.286 g	7.005 g	
4/22/2016	13.333 g	8.590 g	6.744 g	
5/31/2015	13.334 g	6.084 g	6.784 g	
6/30/2016	13.328 g	10.942 g	6.793 g	New stainless steel coupon
8/3/2016	13.326 g	10.529 g	6.743 g	
8/29/2016	13.325 g	10.020 g	6.723 g	
10/27/2016	13.325 g	8.765 g	6.708 g	
11/29/2016	13.327 g	8.571 g	6.740 g	
12/12/2016	13.323 g	8.223 g	6.717 g	
1/3/2017	13.325 g	8.059 g	6.712 g	
2/28/2017	13.324 g	7.634 g	6.727 g	
3/24/2017	13.325 g	7.370 g	6.732 g	
4/28/2017	13.325 g	6.736 g	6.736 g	
5/11/2017	13.323 g	7.352 g	6.689 g	
6/12/2017	13.323 g	7.357 g	6.689 g	
7/5/2017	13.323 g	7.355 g	6.689 g	New Fiberglass coupon
8/30/2017	13.324 g	7.353 g	18.105 g	
9/28/2017	13.325 g	7.352 g	18.060 g	
10/11/2017	13.324 g	7.350 g	18.038 g	
11/16/2017	13.325 g	7.363 g	18.047 g	
12/12/2017	13.326 g	7.308 g	18.307 g	

CORROSION MONITORING PLAN
COUPON SUMMARY

Date	Hastelloy	Stainless Steel	Fiberglass	
1/29/2018	13.326 g	10.930 g	18.027 g	New stainless steel coupon
2/9/2018	13.325 g	10.932 g	18.044 g	
3/19/2018	13.325 g	10.926 g	18.030 g	
4/16/2018	13.336 g	10.863 g	18.068 g	
5/17/2018	13.325 g	10.858 g	18.037 g	
6/20/2018	13.325 g	10.855 g	18.029 g	
7/12/2018	13.326 g	10.852 g	18.032 g	
8/21/2018	13.326 g	10.854 g	18.031 g	
9/14/2018	13.326 g	10.852 g	18.036 g	
10/10/2018	13.326 g	10.851 g	18.031 g	
11/20/2018	13.326 g	10.853 g	18.032 g	
12/11/2018	13.326 g	10.852 g	18.033 g	
1/14/2019	13.326 g	10.852 g	18.033 g	
2/20/2019	13.326 g	10.850 g	18.033 g	
3/15/2019	13.326 g	10.850 g	18.033 g	
4/10/2019	13.326 g	10.848 g	18.031 g	
5/17/2019	13.326 g	10.849 g	18.036 g	
6/5/2019	13.326 g	10.848 g	18.031 g	
7/8/2019	13.326 g	10.845 g	18.032 g	
8/12/2019	13.326 g	10.845 g	18.032 g	
9/8/2019	13.326 g	10.842 g	18.029 g	
10/17/2019	13.326 g	10.842 g	18.030 g	
11/20/2019	13.326 g	10.842 g	18.030 g	
12/11/2019	13.326 g	10.842 g	18.030 g	
1/16/2020	13.326 g	10.840 g	18.033 g	
2/6/2020	13.326 g	10.836 g	18.034 g	
3/3/2020	13.326 g	10.842 g	18.034 g	Well 1 workover new well
4/9/2020	13.328 g	10.839 g	18.037 g	
5/12/2020	13.322 g	10.830 g	18.035 g	
6/16/2020	13.316 g	10.771 g	18.009 g	
7/16/2020	13.308 g	10.560 g	17.843 g	
8/25/2020	13.310 g	10.214 g	17.773 g	
9/24/2020	13.289 g	9.796 g	17.656 g	
10/19/2020	13.282g	9.737g	17.621g	
11/5/2020	13.280g	9.728g	17.600g	
12/3/2020	13.281g	9.730g	17.689g	
2/10/2021	13.284g	9.728g	17.683g	
3/9/2021	13.290g	9.733g	17.585g	
4/13/2021	13.288g	9.730g	17.649g	
5/18/2021	13.282g	9.691g	17.543g	
6/17/2021	13.279g	9.639g	17.546g	
7/19/2021	13.278g	9.480g	17.507g	
8/3/2021	13.278g	9.437g	17.467g	
9/14/2021	13.277g	9.392g	17.467g	
10/11/2021	13.277g	9.359g	17.465g	
11/3/2021	13.277g	9.350g	17.273g	
12/15/2021	13.276g	9.351g	17.256g	
1/17/2022	13.276g	9.351g	17.256g	
2/15/2022	13.276g	9.347g	16.965g	
3/18/2022	13.281g	9.368g	17.246g	

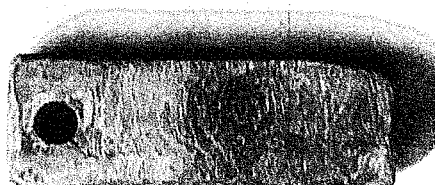
Date: 03/18/2022
Material: C1563/316L
Weight: 9.368 g.



Date: 03/18/2022
Material: C276 5
Weight: 13.281 g.



Date: 03/18/2022
Material: Fiberglass
Weight: 17.246 g.



CORROSION MONITORING COUPONS BASELINE VISUAL DESCRIPTION

November 4, 2013

Fiberglass

The fiberglass coupon is Red Box 2000 type and is 2-1/2 inches long by 1/2 inch wide and 1/4 inches thick. It is a dark orange (rust) in color with a glossy shine on one side a polished look on the opposite side and the cut edges look sanded.

Hastelloy

The hastelloy coupon is identified as C276 with serial number 1. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

Stainless Steel

The stainless steel coupon is identified as 316L with serial number C1562. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

October 22, 2015

• **TEST REPORT** •

PN 125322

PO 00154

PLASTICS TESTING DEPARTMENT

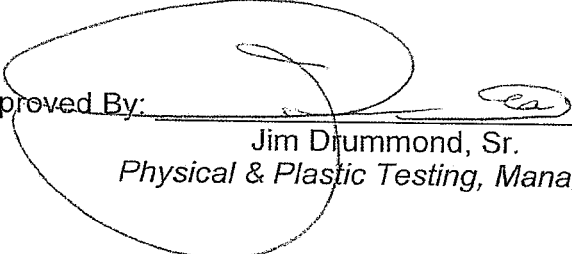
Prepared For:

John Frost
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Prepared By:


Melissa Martin
Sr. Project Technician

Approved By:


Jim Drummond, Sr.
Physical & Plastic Testing, Manager



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Progress Through Innovation, Technology and Customer Satisfaction

October 22, 2015

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 125322

SUBJECT: Barcol Hardness on one material.

RECEIVED: One small section identified as; Fiberglass Coupon.

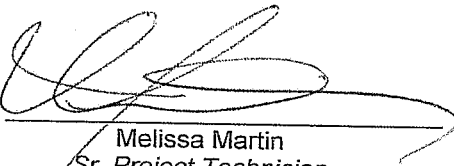
BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

Results

Barcol Hardness, Instant

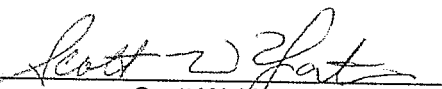
96

Prepared By:


Melissa Martin
Sr. Project Technician

to

Approved By:


Scott W. Yates
Plastics Testing Assistant Manager



AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Progress Through Innovation, Technology and Customer Satisfaction

December 12, 2016

TEST REPORT

PN 132662

PO

PLASTICS TESTING DEPARTMENT

Prepared For:

John Frost
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Prepared By:

Melissa Martin
Senior Project Technician

Rev 041916

Approved By:

Jim Drummond
Physical Testing, Manager



*Certificate Numbers 255.01 & 255.02

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December 12, 2016

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 132662

SUBJECT: Barcol Hardness on one (1) material.


RECEIVED: One (1) small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

RESULTS

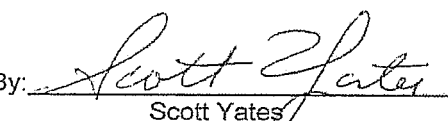
Barcol Hardness, Instant 96

Prepared By:


Melissa Martin
Senior Project Technician

wk

Approved By:


Scott Yates
Plastics Testing, Assistant Manager

ARDL is ISO 17025 accredited by A2LA for the test methods listed on the certificates referenced on page one. NOTE: Non-ISO 17025 accredited test methods are designated with the ^ symbol to differentiate from ISO 17025 accredited methods in the body of the test report.



AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Progress Through Innovation, Technology and Customer Satisfaction

December 13, 2017

TEST REPORT

PN 139140

PO#

PLASTIC TESTING DEPARTMENT

Prepared For:

John Frost
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Prepared By:

Melissa Martin
Sr Project Technician

Approved By:

Jim Drummond
Rubber & Plastic Testing, Manager

Rev 041916



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Registered

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December 13, 2017

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 139140

SUBJECT: Barcol Hardness on one material.

RECEIVED: One small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

Results

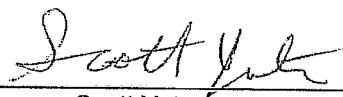
Barcol Hardness, Instant

96

Prepared By: 

Melissa Martin
Sr Project Technician

sc

Approved By: 

Scott Yates
Plastics Testing, Assistant Manager

ARDL is ISO 17025 accredited by A2LA for the test methods listed on the certificates referenced on page one. NOTE: Non-ISO 17025 accredited test methods are designated with the ^ symbol to differentiate from ISO 17025 accredited methods in the body of the test report.

Ghesquiere Plastic Testing, Inc.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: November 15, 2013
Test Date: October 15 - November 14, 2013

Report #1310-77651
Performed for:
Environmental Geo-Technologies
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.
(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

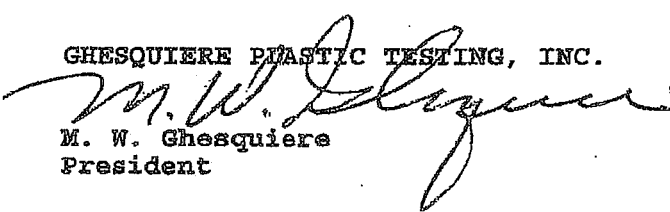
The following determination was made based upon the above test:

BARCOL HARDNESS

	<u>Hardness</u>
Specimen 1	90

Specimen is being returned with this report for further evaluation.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/kni

Ghesquiere Plastic Testing, Inc.

20460 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: February 17, 2014
Test Date: February 14 - 17, 2014

Report #1402-78036
Performed for:
Environmental Geo-Technologies
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.
(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1: 90

Specimen was returned to the client on February 17, 2014.

REPORT PREPARED:

Ghesquiere Plastic Testing, Inc.

M. W. Ghesquiere
President

MWG/dm

Ghesquiere Plastic Testing, Inc.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3535
FAX (313) 885-1771

Report Date: June 16, 2014
Test Date: June 13 - 16, 2014

Report #1406-78499
Performed for:
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.
(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

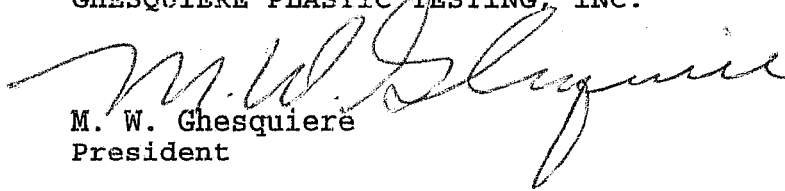
Hardness

Specimen 1

85

Specimen was returned to the client June 16, 2014.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/dm

October 2, 2014

• TEST REPORT •

PN 118325

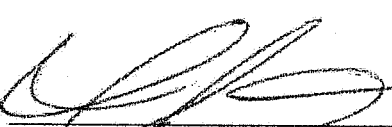
PO Attn: John Frost

PLASTICS TESTING DEPARTMENT

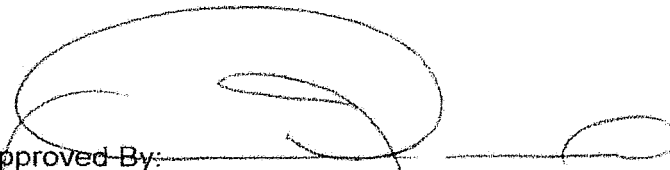
Prepared For:

John Frost
Environmental Geo-Technologies, LLC
28470 Citrin Drive
Romulus, MI 48174

Prepared By:


Melissa Martin
Sr. Project Technician

Approved By:


Jim Drummond
Physical & Plastics Testing, Manager



A Testing Lab
*Certificate Numbers 255.01 & 255.02

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Testing. Development. Problem Solving.

October 2, 2014

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN118325

SUBJECT: Barcol Hardness on one material.
PO# Attn: John Frost

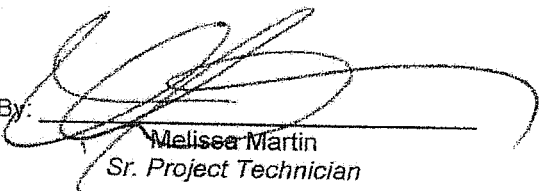
RECEIVED: One small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a

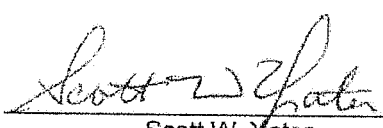
Results

Barcol Hardness, Instant

97

Prepared By: 

Melissa Martin
Sr. Project Technician

Approved By: 

Scott W. Yates
Plastics Testing Assistant Manager

st

www.ardl.com

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BARCOL HARDNESS REPORT

Customer: Republic Industrial and Energy Solutions, LLC

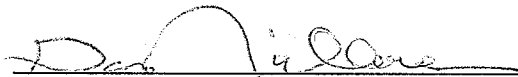
Component Tested: Test Coupon

PO Number: 9575553 **Job Number:** 3415

Calibration: **Disc:** 43 - 48 **Actual Reading:** 45

Barcol Readings	1	2	3	Average
Side One:	62	63	58	61
Side Two:	58	60	57	58
Overall Average:				60

Tested By:


(signature)

Gary Nicholson
(print or type name)

Date: 01/12/2021

BARCOL HARDNESS REPORT

Customer: Republic Industrial and Energy Solutions, LLC

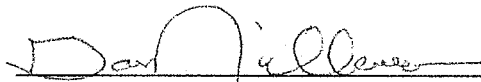
Component Tested: Test Coupon

PO Number: 10159792 Job Number: 3556

Calibration: Disc: 43 - 48 Actual Reading: 45

Barcol Readings	1	2	3	Average
Side One:	56	60	60	59
Side Two:	60	62	62	61
Overall Average:				60

Tested By:


(signature)

Gary Nicholson
(print or type name)

Date: 10/11/2021

COOROSION MONITORING COUPONS VISUAL DESCRIPTION

March 2022

Fiberglass Coupon

The coupon has changed to a dark purple color and is smooth. Its cut edges appear sanded. The coupon is free of cracks, pitting, swelling, blemishes, and corrosion. There is no obvious effect on this coupon since last month.

Hastelloy Coupon

This coupon is identified as C276 with Serial Number 5. The coupon is silver in color with a lightly sandblasted texture. It is clean and free of pits, cracks, and blemishes. There is no effect to this coupon.

Stainless Steel Coupon

The coupon has corrosion surrounding the hole where it's bolted in the pipe. More pitting is visible throughout the coupon. There has been a significant volume of pumping to both Well #1 and Well #2. The coupon has been exposed to a large amount of hazardous waste since last month.

MAINTENANCE

UIC Monthly Maintenance Log

No Maintenance this month

INJECTION FINGERPRINTS

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-31-22
Receiving ID#	ZOS 31 22 07
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	YES
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.41
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	78
Conductivity	18.41 mS
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.31.22
Receiving ID#	108312206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.81
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	24.15
% Solids	2.38
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/31-2022
Receiving ID#	203312205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7146
pH (S.U.)	6.61
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	76
Conductivity	14.24mS
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	Area
Lab Signature/Initials	AP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/31/22
Receiving ID#	103312204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	557-1
Client	
Transporter	
Time in	
Time out	
Received by	JA
Sampled by	ALW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.54
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	1758
% Solids	4.02
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.R.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-31-22
Receiving ID#	103312203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.68
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	14.04 mS
% Solids	0.71
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-31-22
Receiving ID#	108312207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	13.90 mS
% Solids	3.29
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-31-22
Receiving ID#	103312201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.80
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	14.08 mS
% Solids	3.45
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/30-2022
Receiving ID#	203302209
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	246
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	08
% Solids	1.71
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/30 - 2022
Receiving ID#	203302205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.15
Cyanides? (mg/L)	-
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	14.75
% Solids	2.25
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.30.22
Receiving ID#	203302204 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	SM

LAB INFORMATION	
Compatible? (RT#)	YES
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.99
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	24.7ms
% Solids	3.11
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/30-2022
Receiving ID#	8-03302206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	10
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.47
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	81
% Solids	2.95
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.30.22
Receiving ID#	203302207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	YES
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	01
% Solids	2.81
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-30-22
Receiving ID#	IOS 302208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	yes
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.81
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	06
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-30-22
Receiving ID#	IC3302203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	3140
pH (S.U.)	6.67
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67
Conductivity	9.23 us
% Solids	0.47
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-30-22
Receiving ID#	IO3302202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.62
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	7.90
% Solids	1.56
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-30-22
Receiving ID#	IC330 2201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.68
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64
Conductivity	7.00 _{ms}
% Solids	0.98
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/29-2022
Receiving ID#	803292208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.83
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	12.95 mS
% Solids	2.65
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DB

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/29-2002
Receiving ID#	20329207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.81
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	21.5 mS
% Solids	31.2
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-29-22
Receiving ID#	203292206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.88
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	L4
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	18.03ms
% Solids	2.66
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.29.22
Receiving ID#	IO329220S
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62
Conductivity	16.09 ms
% Solids	3.20
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3/29/22
Receiving ID#	103292209
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.85
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63
Conductivity	17.32 mS
% Solids	0.34
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-29-22
Receiving ID#	103292203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.73
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67
Conductivity	9.89
% Solids	1.21
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-29-22
Receiving ID#	203292201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	73
Conductivity	10.22
% Solids	
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-29-22
Receiving ID#	103292202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5100
pH (S.U.)	6.79
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67
Conductivity	8.63
% Solids	
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-28-22
Receiving ID#	103287201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	JDZ


LAB INFORMATION	
Compatible? (RT#)	Yes
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.83
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	12.42ms
% Solids	3.18
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-28-22
Receiving ID#	703282202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>

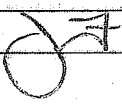
LAB INFORMATION	
Compatible? (RT#)	<i>[X]</i>
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.79
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	13.52ms
% Solids	3.32
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-28-22
Receiving ID#	103782203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	14.34ms
% Solids	3.58
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-28-22
Receiving ID#	F03282204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.86
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Liq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	15.05ms
% Solids	3.40
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/28-2022
Receiving ID#	203282205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	14.90
% Solids	3.09
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DL

FINGERPRINT FORM

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RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/28-2022
Receiving ID#	203282206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	240
pH (S.U.)	6.75
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	15.10
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-28-02
Receiving ID#	EO3282207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	Aw

LAB INFORMATION	
Compatible? (RT#)	Yes
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	4131ms
% Solids	2.76
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	DB

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	6/28-2022
Receiving ID#	203282208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	2.11
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	14.54
% Solids	50.1
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/28/2022
Receiving ID#	803282209
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.58
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	0.5
% Solids	2.97
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	T03272204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.91
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	13.05
% Solids	2.88
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-27-22
Receiving ID#	IOS272203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.88
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	Lq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	>0
Conductivity	13.45MS
% Solids	2.61
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-27-22
Receiving ID#	205 2722 03
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	yes
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.80
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.07
Physical Description	hazy
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	20.2 ms
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	WD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-27-22
Receiving ID#	203272202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.46
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	10.7ms
% Solids	3.58
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	5-27-22
Receiving ID#	IOS272202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	Aw

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.60
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	13.47mS
% Solids	3.67
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-26-22
Receiving ID#	103262201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	JF

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>146
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	12.44 mS
% Solids	2.40
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-26-22
Receiving ID#	203262202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>110
pH (S.U.)	6.83
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	>0
Conductivity	12.49 μ S
% Solids	1.42
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-26-22
Receiving ID#	IC3262203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	JA

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.75
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	10.75ms
% Solids	2.11
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/26-2022
Receiving ID#	203262204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	2.68
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	17.51ms
% Solids	3.09
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-27-22
Receiving ID#	T032722ASSI-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT# Y)	YOS
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2148
pH (S.U.)	6.48
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	
Conductivity	13.01ms
% Solids	4.05
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	RP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-27-22
Receiving ID#	103272201-SST2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.50
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	10.55ms
% Solids	0.40
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	JS

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/25-2022
Receiving ID#	803252208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.70
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	8.29mS
% Solids	2.01
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/25-2022
Receiving ID#	203252208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	4
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.48
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	13.38
% Solids	3.55
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-25-22
Receiving ID#	Z03252207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

SST-2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.95
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	8,70
% Solids	3,49
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.25.22
Receiving ID#	203252207 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	10.27
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	16.55ms
% Solids	3.88
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/25-2022
Receiving ID#	803252206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	4
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	9.15
% Solids	3.33
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/25-2022
Receiving ID#	803252206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	4
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	9.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	16.47mS
% Solids	3.28
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/25-2022
Receiving ID#	203252205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	4
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.86
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	4.95MS
% Solids	2.13
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/25-2022
Receiving ID#	203252205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	8.35
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	15.08 mS
% Solids	1.81
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-25-22
Receiving ID#	10325204 SSI
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.96
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65
Conductivity	10.7 nS
% Solids	2.70
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-25-22
Receiving ID#	D03252004 9512
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	Yes
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	10.33
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65
Conductivity	22.2 mS
% Solids	2.17
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-25-22
Receiving ID#	I03252203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.89
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64
Conductivity	10.56 mS
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-25-22
Receiving ID#	103252202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	J. J.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.80
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64
Conductivity	10.49
% Solids	2.68
Turbidity	Yes No
Color	Brown
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3/25/22
Receiving ID#	103252201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. H
Sampled by	J. F

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67
Conductivity	10.32
% Solids	
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. H

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-24-22
Receiving ID#	Z03242208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>146
pH (S.U.)	6.92
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65
Conductivity	9.83 mS
% Solids	3.16
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/24-2022
Receiving ID#	803242207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.25
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	10.44
% Solids	1.71
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/24-2022
Receiving ID#	803242207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.20
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	80
Conductivity	16.07
% Solids	2.25
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	PP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/24-2022
Receiving ID#	203242206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	>0
Conductivity	10.94
% Solids	3.44
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/24 - 2022
Receiving ID#	803242206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	>12.3
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	17.40
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/24-2022
Receiving ID#	I03242205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	BB

SS7-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66
Conductivity	17.08 uS
% Solids	1.18
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/24-2022
Receiving ID#	203242205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.43
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	19.52 mc
% Solids	4.84
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-24-22
Receiving ID#	I03242204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	
pH (S.U.)	6.89
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65
Conductivity	10.00 mS
% Solids	1.32
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-24-22
Receiving ID#	I03242203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(G.H.)
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.98
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	106
Conductivity	10.43 mS
% Solids	2.65
Turbidity	Yes No
Color	
TSS (%)	(0.1)
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	13-24-22
Receiving ID#	IO3242202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.80
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66
Conductivity	11.08 mg
% Solids	20.1
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-24-22
Receiving ID#	I03242201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>JD</i>
Sampled by	<i>JD</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.92
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	10.38
% Solids	2.59
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	103232208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>190
pH (S.U.)	6.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65
Conductivity	15.83ms
% Solids	4.39
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/23-2022
Receiving ID#	203232207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.56
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	12.22 mS
% Solids	3.21
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8-23-22
Receiving ID#	103232203 SITE
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	JM

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	9.96ms
% Solids	1.43
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	203232203 SST
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 110
pH (S.U.)	6.86
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	19.77
% Solids	0.49
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	203232205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	11.43 ms
% Solids	20.1
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	103232209
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	yes
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	7.02
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	22.8ms
% Solids	3.80
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DB

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	I03232204 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2190
pH (S.U.)	2.33
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	21.4 mS
% Solids	2.17
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	I03232204 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.63
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20
Conductivity	11.94ms
% Solids	2.6%
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/23-2022
Receiving ID#	203232206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.51
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	13.53 mS
% Solids	20.1
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-23-22
Receiving ID#	103232202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JJ
Sampled by	JJ

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	3140
pH (S.U.)	6.83
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	108
Conductivity	10.04 mS
% Solids	0.40
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JJ

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3/23/22
Receiving ID#	203232251
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	14.29
% Solids	1.63
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/22/2022
Receiving ID#	203222209
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	DD
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.22.22
Receiving ID#	203 22 2 208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>146
pH (S.U.)	6.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	
% Solids	2.1%
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/22-2022
Receiving ID#	203222207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BS

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.81
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	
% Solids	0.47
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/22/2022
Receiving ID#	803222207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST 1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.9
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	
% Solids	3.42
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	203222206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.69
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	103222203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.88
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	6.2
% Solids	1.00
Turbidity	Yes No
Color	
TSS (%)	501
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	IO3222204 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	9.94
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	13.4 ms
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	103222204 EST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.88
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	2.025
% Solids	3.72
Turbidity	Yes No
Color	
TSS (%)	LOI
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	103222202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.92
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.09
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	6.92
% Solids	2.17
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	203222222
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.98
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	2.6 ms
% Solids	1.49
Turbidity	Yes No
Color	
TSS (%)	30.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/22/2022
Receiving ID#	203222205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.03
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	
% Solids	0.81
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/22-2022
Receiving ID#	203222205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	140
pH (S.U.)	8.80
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	
% Solids	2.49
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	103222206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	yes
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	8.48
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.
Conductivity	
% Solids	1.23
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-22-22
Receiving ID#	IOS222206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.47
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68
Conductivity	
% Solids	3.46
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	ZOS 212208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>146
pH (S.U.)	6.94
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.1
Conductivity	15.5
% Solids	2.24
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/21-2022
Receiving ID#	203212207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BGB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70
Conductivity	11.4ms
% Solids	2.71
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.21.22
Receiving ID#	203212206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	yes
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.83
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.2
Conductivity	29.2
% Solids	1.99
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	703212205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW
LAB INFORMATION	
Compatible? (RT#)	Yes
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.4
Conductivity	18.4
% Solids	2.76
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-20-22
Receiving ID#	I03202202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

SST-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.92
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	33.0ms
% Solids	3.08
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-20-22
Receiving ID#	IO3202202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	AW

SST-2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.78
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	43.1 mS
% Solids	0.28
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.R.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-20-22
Receiving ID#	Z03 20 2203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JTT
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5148
pH (S.U.)	6.92
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	37.8 mS
% Solids	50.1
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	RD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	2032122-02
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	DM
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.97
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	36-8 mS
% Solids	50.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DM

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	IO3212204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	TL

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.78
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	38.2
% Solids	6.42
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	I03212203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

SST-2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	1140
pH (S.U.)	6.83
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	37.2 mS
% Solids	20.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	I03212201 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.72
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	399 μ S
% Solids	1.04
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-21-22
Receiving ID#	IO3212201 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	JF

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	7.02
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69
Conductivity	321 ns
% Solids	< 0.1
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-20-22
Receiving ID#	203202201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.85
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	1 g
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	76.8
Conductivity	30.8 mS
% Solids	3.40
Turbidity	Yes No
Color	
TSS (%)	20.11
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.20.22
Receiving ID#	Z05202201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(J.T.)
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	76.5
Conductivity	38.2 mS
% Solids	1.42
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	(J.T.)

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-19-22
Receiving ID#	I03192205 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	240
pH (S.U.)	6.93
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	74.8
Conductivity	24.7MS
% Solids	1.62
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-19-22
Receiving ID#	IC3192201 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.44
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	L9
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	25.0
Conductivity	26.7MS
% Solids	
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DJD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-19-22
Receiving ID#	103192203 SST2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.85
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	Lq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	24.5
Conductivity	280.2 mS
% Solids	3.40
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-19-22
Receiving ID#	I03192202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>


LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	25.4
Conductivity	28.7ms
% Solids	1.75
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	RD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-19-22
Receiving ID#	I03192201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.42
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	24.8
Conductivity	40.5 mS
% Solids	2.85
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	Db

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	I03182203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.80
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	L4
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.1
Conductivity	2802ms
% Solids	3.43
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	I03182202 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2110
pH (S.U.)	6.75
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	L8
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	74.5
Conductivity	264 uS
% Solids	2.65
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	203182206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	2.67
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.1
Conductivity	26.7ms
% Solids	2.44
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	203182205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	4.25
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	76.2
Conductivity	42.5 mS
% Solids	2.14
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	203182205 SSF-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW
LAB INFORMATION	
Compatible? (RT#)	YES
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.90
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.6
Conductivity	27.7ms
% Solids	2.01
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/18/2022
Receiving ID#	203182204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB


LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.0
Conductivity	
% Solids	2.37
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	


RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	103182201 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	J. J.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.54
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.9
Conductivity	43.0 us
% Solids	3.52
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-18-22
Receiving ID#	FOBI82201 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.51
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	Lc
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.7
Conductivity	28.1
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.17.22
Receiving ID#	I0317220S
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JST
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.62
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	74.2
Conductivity	30.3 mS
% Solids	3.27
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-17-22
Receiving ID#	203172204 SST2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.P.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.59
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.2
Conductivity	28.3 mS
% Solids	3.05
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	PD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-17-22
Receiving ID#	IOS 17 2204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M
Sampled by	AW

SST1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.02
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.052
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	74.4
Conductivity	28.145
% Solids	2.86
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-17-22
Receiving ID#	203172203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.P.
Sampled by	A.W.

SSP2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.57
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.0
Conductivity	27.6 μ S
% Solids	2.38
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.17.22
Receiving ID#	103172203 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	5.77 - 10.620
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.3
Conductivity	37.9 μ S
% Solids	2.23
Turbidity	Yes No
Color	
TSS (%)	40.4
Radiation Screen (as needed)	
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-17-22
Receiving ID#	I03172202 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.50
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.0
Conductivity	26.4
% Solids	1.46
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-17-22
Receiving ID#	103172202 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.38
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.1
Conductivity	39.4 mS
% Solids	2.26
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-22
Receiving ID#	103162204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	G.H
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.62
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.8
Conductivity	26.6 mc
% Solids	1.95
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	G.H

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-22
Receiving ID#	203162204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

SST-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	140
pH (S.U.)	7.72
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.4
Conductivity	45.6 ms
% Solids	1.95
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.16.22
Receiving ID#	Z0316220S
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

SST-L

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.85
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.4
Conductivity	28.9 mS
% Solids	2.55
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-22
Receiving ID#	203162205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.63
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	27.0
Conductivity	27.7 mS
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/16-2022
Receiving ID#	2031622010
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	Bb

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	10.63
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	77.0
Conductivity	21.3 mS
% Solids	2.36
Turbidity	Yes No
Color	
TSS (%)	LOV
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-17-22
Receiving ID#	103172201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	
pH (S.U.)	10.62
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.5
Conductivity	22.7
% Solids	2.00
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-22
Receiving ID#	203162203 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	J. J.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.52
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.2
Conductivity	24.7 us
% Solids	1.57
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-22
Receiving ID#	546103162203 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.37
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.7
Conductivity	47.6 μ S
% Solids	0.21
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-22
Receiving ID#	103162201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.52
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.6
Conductivity	20.2 mS
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-20
Receiving ID#	IC03162202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

SST-2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.99
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.4
Conductivity	20.7 mS
% Solids	<0.1
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-16-20
Receiving ID#	I03162202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

SST-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.13
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.1
Conductivity	40.1 mS
% Solids	3.33
Turbidity	Yes No
Color	
TSS (%)	
Radiation Screen (as needed)	
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-15-22
Receiving ID#	Z03152206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2190
pH (S.U.)	6.57
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<206
Specific Gravity	1.01
Physical Description	Light
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.3
Conductivity	24.2 uS
% Solids	2.4 g
Turbidity	Yes No
Color	136 u.u.
TSS (%)	20.1
Radiation Screen (as needed)	None
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/15-2002
Receiving ID#	203152204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	BB

SST 1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>190
pH (S.U.)	3.64
Cyanides? (mg/L)	138
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	LA
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	34.1ms
% Solids	1.43
Turbidity	Yes No
Color	Clear
TSS (%)	20.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/15-2022
Receiving ID#	2031522.04
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.54
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.6
Conductivity	24.8mS
% Solids	2.12
Turbidity	Yes No
Color	Beup
TSS (%)	0.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/15/2002
Receiving ID#	203152205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.67
Cyanides? (mg/L)	< 26
Sulfides? (ppm)?	< 260
Specific Gravity	1.01
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.7
Conductivity	24.6
% Solids	4.07
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	None
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-15-22
Receiving ID#	103152203 55T-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.72
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.1
Conductivity	29.2 mS
% Solids	<0.10
Turbidity	Yes No
Color	
TSS (%)	<0.10
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-15-22
Receiving ID#	103152203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. H.
Sampled by	J. H.

SST-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	3.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.6
Conductivity	32.9 ms
% Solids	<0.10
Turbidity	Yes No
Color	
TSS (%)	<0.10
Radiation Screen (as needed)	
Lab Signature/Initials	J. H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-15-22
Receiving ID#	103152202 sst 1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	OB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	4.86
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.7
Conductivity	37.3 mS
% Solids	2.82
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/15/22
Receiving ID#	FO3152202 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. H.
Sampled by	A. H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	7.01
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	60.1
Conductivity	24.6
% Solids	0.20
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-15-22
Receiving ID#	103152201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.7
Conductivity	29.4
% Solids	2.09
Turbidity	Yes No
Color	
TSS (%)	
Radiation Screen (as needed)	
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	I03142206 SS7-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.97
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.8
Conductivity	24.7ns
% Solids	2.32
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	203142207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.45
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Le
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.3
Conductivity	300ms
% Solids	2.48
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	203142206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	4.09
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	64
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.6
Conductivity	344.9mS
% Solids	3.01
Turbidity	Yes No
Color	6 (44)
TSS (%)	20.1
Radiation Screen (as needed)	NO
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.14.22
Receiving ID#	103142208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.92
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.3
Conductivity	24.5ms
% Solids	3.25
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	N/A
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	203142203 SST2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.J
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.52
Cyanides? (mg/L)	230
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.1
Conductivity	27.4
% Solids	2.18
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	J.T.J

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	IO3142202 SST
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	4.32
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	6-g
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	20.0
Conductivity	32.6 mS
% Solids	3.07
Turbidity	Yes No
Color	664Y
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	IO2142202 SSTR
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(J.T.)
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.9
Conductivity	23.7ms
% Solids	
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	(J.T.)

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	203142201 SSTI
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	4.44
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	47.1 mS
% Solids	
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-13-22
Receiving ID#	IG3132202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	5.91
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.8
Conductivity	73.4
% Solids	5.43
Turbidity	Yes No
Color	
TSS (%)	
Radiation Screen (as needed)	
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-14-22
Receiving ID#	203142201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.52
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.0
Conductivity	27.4
% Solids	J.M. 8.43 - 0.70
Turbidity	Yes No
Color	
TSS (%)	
Radiation Screen (as needed)	
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-13-22
Receiving ID#	203132201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.76
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<206
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.7
Conductivity	50 mS
% Solids	0.81
Turbidity	Yes No
Color	Black
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-13-22
Receiving ID#	IOS132201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.3
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Liq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.0
Conductivity	14.5ms
% Solids	2.37
Turbidity	Yes No
Color	Black
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12/2022
Receiving ID#	20322202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.A.
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.55
Cyanides? (mg/L)	236
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.4
Conductivity	24.7 mS
% Solids	2.77
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	None
Lab Signature/Initials	J.F.A.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12-2022
Receiving ID#	803122202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.D.
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.72
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	L4
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.5
Conductivity	20.4ms
% Solids	2.82
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	Yes
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12-2022
Receiving ID#	203122203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M
Sampled by	BB

557-1

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 146
pH (S.U.)	6.29
Cyanides? (mg/L)	< 36
Sulfides? (ppm)?	< 266
Specific Gravity	1.01
Physical Description	hcc
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.1
Conductivity	38.1 mS
% Solids	1.78
Turbidity	Yes No
Color	TLN
TSS (%)	40.1
Radiation Screen (as needed)	N/A
Lab Signature/Initials	J.M

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12-2022
Receiving ID#	203122203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.36
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<260
Specific Gravity	1.01
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.4
Conductivity	52.5ms
% Solids	2.63
Turbidity	Yes No
Color	Black
TSS (%)	40.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12-2022
Receiving ID#	203122204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.51
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Lc
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.8
Conductivity	49.6 mS
% Solids	3.18
Turbidity	Yes No
Color	light yellow
TSS (%)	20.1
Radiation Screen (as needed)	Yes
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12-2022
Receiving ID#	203122204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.66
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	LE
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.6
Conductivity	14.50 MS
% Solids	3.08
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	1/eq
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/11-2022
Receiving ID#	203112203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	B.B.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	5.41
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	44.3ms
% Solids	0.73
Turbidity	Yes No
Color	Tan
TSS (%)	20.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.11.22
Receiving ID#	Z03112204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JJ
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.73
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	
Physical Description	Lc
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.6
Conductivity	25.0ms
% Solids	1.41
Turbidity	Yes No
Color	Black
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.11.22
Receiving ID#	Z03112204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2190
pH (S.U.)	6.23
Cyanides? (mg/L)	430
Sulfides? (ppm)?	200
Specific Gravity	1.02
Physical Description	LA
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	42.6 uS
% Solids	3.08
Turbidity	Yes No
Color	Black
TSS (%)	20.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.N

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12/2012
Receiving ID#	803122201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.44
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.1
Conductivity	22.4ms
% Solids	2.64
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	Nea
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/12/2022
Receiving ID#	203122201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	B.B.

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.11
Cyanides? (mg/L)	236
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	Le
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.7
Conductivity	39.5ms
% Solids	2.91
Turbidity	Yes No
Color	Black
TSS (%)	20.1
Radiation Screen (as needed)	Yes
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/11-2022
Receiving ID#	X03112202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. H
Sampled by	BH

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.71
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	25.0 umS
% Solids	1.84
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. H

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/11 - 2022
Receiving ID#	203112201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.69
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	60.8
Conductivity	110.76
% Solids	0.60
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-10-22
Receiving ID#	103102704
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	CB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.51
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<266
Specific Gravity	1.02
Physical Description	LA
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	55.4
Conductivity	8.31
% Solids	2.83
Turbidity	Yes (No)
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-10-22
Receiving ID#	IO3102203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.79
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2260
Specific Gravity	1.02
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.3
Conductivity	10.18MS
% Solids	3.14
Turbidity	Yes No
Color	Blowp
TSS (%)	20.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	2-10-22
Receiving ID#	203102202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	3.40
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	44.6 mg
% Solids	
Turbidity	Yes No
Color	Tan
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-10-22
Receiving ID#	IOS102202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.65
Cyanides? (mg/L)	130
Sulfides? (ppm)?	<260
Specific Gravity	1.02
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.3
Conductivity	18.22 m
% Solids	2.63
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-10-22
Receiving ID#	I03102201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.81
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.07
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.8
Conductivity	23.0 mS
% Solids	1.15
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-9-22
Receiving ID#	IO309 2205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	M

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.86
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	L4
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.6
Conductivity	22.4
% Solids	3.79
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-9-22
Receiving ID#	103092208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	4.17
Cyanides? (mg/L)	530
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.5
Conductivity	40.1 nS
% Solids	2.10
Turbidity	Yes No
Color	Clear
TSS (%)	40.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J. J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/09-2022
Receiving ID#	803092202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	7.09
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.6
Conductivity	23.5ms
% Solids	1.22
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-9-22
Receiving ID#	IC3092201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.91
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.9
Conductivity	31.5ms
% Solids	0.73
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	203082207
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	2.28
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.1
Conductivity	36.3ms
% Solids	2.44
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	1030822 of
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	OB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.74
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	1 c
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.5
Conductivity	31.0ms
% Solids	2.51
Turbidity	Yes (No)
Color	Blomp
TSS (%)	<0.1
Radiation Screen (as needed)	Recy
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.8.22
Receiving ID#	I03082208
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.75
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.4
Conductivity	42.1ms
% Solids	2.25
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	NA
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	103087204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	DB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.73
Cyanides? (mg/L)	430
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	30.4ms
% Solids	67.8-3.08
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	None
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	103052203 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	liquid
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	29.9 mS
% Solids	1.35
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	103082202 SST-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.3
Conductivity	31.5
% Solids	1.23
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	I03082201 587-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	5.70
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.3
Conductivity	42.5 mS
% Solids	3.63
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-8-22
Receiving ID#	IO3082201 SG-2
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.09
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.0
Conductivity	300 ns
% Solids	1.72
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/07-2022
Receiving ID#	203072203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.86
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.2
Conductivity	28.2ms
% Solids	
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/07-2022
Receiving ID#	I030722 04
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	BB

SNT-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.83
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Liq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.3
Conductivity	29.7mS
% Solids	3.07
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/07-2022
Receiving ID#	I03072204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.A.
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.50
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.9
Conductivity	3408ms
% Solids	3.43
Turbidity	Yes No
Color	white
TSS (%)	20.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	PP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/07-2022
Receiving ID#	I03072201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.79
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.4
Conductivity	29.3
% Solids	1.56
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/07-2022
Receiving ID#	I03072202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61.1
Conductivity	29.4 mS
% Solids	2.24
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/06/22
Receiving ID#	103062203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

SST-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	2.91
Cyanides? (mg/L)	130
Sulfides? (ppm)?	1200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.7
Conductivity	44.5ms
% Solids	2.67
Turbidity	Yes No
Color	Clear
TSS (%)	20.1
Radiation Screen (as needed)	Yes
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	02/06/22
Receiving ID#	F03062402
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	AW

SST-2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>146
pH (S.U.)	6.88
Cyanides? (mg/L)	0.36
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.3
Conductivity	20.6 mS
% Solids	3.25
Turbidity	Yes No
Color	Blomph
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	BP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-5-22
Receiving ID#	1036522081
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.N.
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.84
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<206
Specific Gravity	1.03
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.3
Conductivity	14.1 mS
% Solids	2.43
Turbidity	Yes (No)
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	None
Lab Signature/Initials	J.T.N.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-5-22
Receiving ID#	I03052201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.J.
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	4.34
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<200
Specific Gravity	1.03
Physical Description	Lq
Stream Consistency	Yes No
Oil in Sample?	Yes (No)
Temperature (F)	71.7
Conductivity	54.3 mS
% Solids	2.78
Turbidity	Yes (No)
Color	Clear
TSS (%)	0.1
Radiation Screen (as needed)	NO
Lab Signature/Initials	PP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-4-22
Receiving ID#	IO3042206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.91
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	LY
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.5ms
Conductivity	18.33ms
% Solids	2.63
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	NEO
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	2-04-22
Receiving ID#	T030472.05
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.87
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.5
Conductivity	18.68 mS
% Solids	3.13
Turbidity	Yes No
Color	Blank
TSS (%)	0.1
Radiation Screen (as needed)	None
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/04-2022
Receiving ID#	203042204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	B.B.
LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5140
pH (S.U.)	6.96
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	56.9
Conductivity	19.11
% Solids	0.35
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/04-2022
Receiving ID#	203042203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Bb
LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	4.65
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.8
Conductivity	33.2ms
% Solids	2.04
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-4-22
Receiving ID#	IC3042202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	J.M.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	140
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.07
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.6
Conductivity	14.03
% Solids	0.15
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-4-22
Receiving ID#	103042201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.10
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.7
Conductivity	13.27
% Solids	1.03
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/03-2022
Receiving ID#	I03032201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

SOT-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	3.97
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.1
Conductivity	41.1 mS
% Solids	3.90
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02-2022
Receiving ID#	803032201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.00
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.6
Conductivity	20.3 mS
% Solids	1.38
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	7/3/22
Receiving ID#	103032202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.F.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61.7
Conductivity	21.4 mS
% Solids	1.23
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03-03-22
Receiving ID#	103032203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	CS

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.80
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61.5
Conductivity	18.11
% Solids	1.53
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	NCA
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	7.5.22
Receiving ID#	IOS 03 22 04
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	3.89
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.6
Conductivity	31.4 - 5
% Solids	2.09
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-2-22
Receiving ID#	103022206
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.86
Cyanides? (mg/L)	130
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.8
Conductivity	29.5ms
% Solids	2.20
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	11.8
Lab Signature/Initials	AP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-2-22
Receiving ID#	203 02 22 CS
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

SS7-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7/46
pH (S.U.)	4.96
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Lq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.3
Conductivity	407ms
% Solids	5.19
Turbidity	Yes No
Color	Gray
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3. 2. 22
Receiving ID#	I03022205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	Am

LABORATORY INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	201
Cyanides? (mg/L)	230
Sulfides? (ppm)?	1260
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.4
Conductivity	27.9 mS
% Solids	2.41
Turbidity	Yes No
Color	Brown
TSS (%)	50.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02-2022
Receiving ID#	203022204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.09
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.1
Conductivity	44.4
% Solids	4.23
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02-2022
Receiving ID#	203022204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BB

SST2

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.08
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	58.9
Conductivity	282 mS
% Solids	1.53
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02-2022
Receiving ID#	203022203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.73
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.6
Conductivity	25.9 mS
% Solids	1.24
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02 - 2022
Receiving ID#	103022203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	DB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	4.73
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.5
Conductivity	95.2 ms
% Solids	4.17
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-2-22
Receiving ID#	103022202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.2
Conductivity	23.4 mS
% Solids	1.71
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-2-22
Receiving ID#	103022201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.78
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.4
Conductivity	29.0 μ S
% Solids	1.60
Turbidity	Yes No
Color	
TSS (%)	20.7
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-1-22
Receiving ID#	203012205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.I
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	32.2
% Solids	1.04
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-1-22
Receiving ID#	IOS012204 SS7-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.02
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.00
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.5
Conductivity	56.1ms
% Solids	2.21
Turbidity	Yes No
Color	Clear
TSS (%)	0.1
Radiation Screen (as needed)	None
Lab Signature/Initials	RD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-1-22
Receiving ID#	I03012204 SST-L
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.73
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	(Yes) No
Oil in Sample?	Yes No
Temperature (F)	66.4
Conductivity	33.125
% Solids	3.43
Turbidity	Yes No
Color	Brown
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	5.89
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.00
Physical Description	Lq
Stream Consistency	Yes No
Oil in Sample?	Yes NO
Temperature (F)	69.9
Conductivity	56.3ms
% Solids	2.39
Turbidity	Yes No
Color	Green
TSS (%)	20.1
Radiation Screen (as needed)	NO
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.74
Cyanides? (mg/L)	36
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	LG
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	32.8 mS
% Solids	3.18
Turbidity	Yes No
Color	Brown
TSS (%)	40.1
Radiation Screen (as needed)	NCR
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01 - 2022
Receiving ID#	203012201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.22
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.00
Physical Description	LC
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.9
Conductivity	31.0 MS
% Solids	1.71
Turbidity	Yes No
Color	Tan
TSS (%)	<0.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	DD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.74
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.5
Conductivity	31.2 mS
% Solids	2.25
Turbidity	Yes No
Color	Blow p
TSS (%)	<0.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	PD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	4.42
Cyanides? (mg/L)	236
Sulfides? (ppm)?	2200
Specific Gravity	1.00
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.6
Conductivity	48.8 mS
% Solids	3.03
Turbidity	Yes No
Color	Light Green
TSS (%)	0.1
Radiation Screen (as needed)	Yes
Lab Signature/Initials	DP

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01 - 2022
Receiving ID#	203012202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.75
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	LE
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.1
Conductivity	32.5 nS
% Solids	1.21
Turbidity	Yes No
Color	BROWN
TSS (%)	<0.1
Radiation Screen (as needed)	NCA
Lab Signature/Initials	DB

F039 Analysis



15-Apr-2022

Rick Sauve
Republic Industrial and Energy Solutions, LLC
28470 Cintrin Dr.
Romulus, MI 48174

Re: **F039 Leachate analysis 04.01.2022**

Work Order: **22040132**

Dear Rick,

ALS Environmental received 1 sample on 01-Apr-2022 10:30 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 46.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Les Arnold

Les Arnold
General Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

ALS Group, USA

Date: 15-Apr-22

Client: Republic Industrial and Energy Solutions, LLC

Project: F039 Leachate analysis 04.01.2022

Work Order: 22040132

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
22040132-01	March 2022 F039 Leachate analysis	Liquid		4/1/2022	4/1/2022 22:30	<input type="checkbox"/>

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
Work Order: 22040132

Case Narrative

Subcontracted analytical data has been appended to this report in its entirety.

The attached "Sample Receipt Checklist" documents the date of receipt, status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. A copy of the laboratory's scope of accreditation is available upon request.

Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting.

Any flags on MS/MSD samples not addressed in this narrative are unrelated to samples in this report.

With the following exceptions, all sample analyses achieved analytical criteria.

ALS Group, USA

Date: 15-Apr-2022

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
Sample ID: March 2022 F039 Leachate analysis
Collection Date: 4/1/2022

Work Order: 22040132
Lab ID: 22040132-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PESTICIDES						
			SW8081B		Prep: SW3511 4/6/22 16:41	Analyst: SJB
Aldrin	ND		0.30	µg/L	1	4/7/2022 04:24 PM
Surr: Decachlorobiphenyl	82.0		30-162	%REC	1	4/7/2022 04:24 PM
Surr: Tetrachloro-m-xylene	80.4		54-141	%REC	1	4/7/2022 04:24 PM
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW846 8270D		Prep: SW3510 4/8/22 16:31	Analyst: EEW
N-Nitrosodimethylamine	ND		100	µg/L	1	4/11/2022 08:19 PM
Surr: 2,4,6-Tribromophenol	0.320	S	27-83	%REC	1	4/11/2022 08:19 PM
Surr: 2-Fluorobiphenyl	50.5		26-79	%REC	1	4/11/2022 08:19 PM
Surr: 2-Fluorophenol	7.50	S	13-56	%REC	1	4/11/2022 08:19 PM
Surr: 4-Terphenyl-d14	71.8		43-106	%REC	1	4/11/2022 08:19 PM
Surr: Nitrobenzene-d5	25.5	S	29-80	%REC	1	4/11/2022 08:19 PM
Surr: Phenol-d6	0	S	10-35	%REC	1	4/11/2022 08:19 PM
SUBCONTRACTED ANALYSES						
			SUBCONTRACT			Analyst: ALS
Subcontracted Analyses	See attached		as noted		1	4/5/2022

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
WorkOrder: 22040132

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
as noted	

ALS Group, USA

Date: 15-Apr-22

Client: Republic Industrial and Energy Solutions, LLC
Work Order: 22040132
Project: F039 Leachate analysis 04.01.2022

QC BATCH REPORT

Batch ID: 194246 Instrument ID GC12 Method: SW8081B

MBLK	Sample ID: PBLKW1-194246-194246				Units: µg/L		Analysis Date: 4/7/2022 01:04 PM			
Client ID:	Run ID: GC12_220407A				SeqNo: 8308715		Prep Date: 4/6/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Aldrin	ND	0.010								
Surr: Decachlorobiphenyl	0.2075	0	0.208	0	99.8	30-162	0			
Surr: Tetrachloro-m-xylene	0.1755	0	0.208	0	84.4	54-141	0			

LCS	Sample ID: PLCSW1-194246-194246				Units: µg/L		Analysis Date: 4/7/2022 01:41 PM			
Client ID:	Run ID: GC12_220407A				SeqNo: 8308717		Prep Date: 4/6/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Aldrin	0.1652	0.010	0.167	0	98.9	46-167	0			
Surr: Decachlorobiphenyl	0.153	0	0.208	0	73.6	30-162	0			
Surr: Tetrachloro-m-xylene	0.2073	0	0.208	0	99.7	54-141	0			

LCSD	Sample ID: PLCSDW1-194246-194246				Units: µg/L		Analysis Date: 4/7/2022 02:08 PM			
Client ID:	Run ID: GC12_220407A				SeqNo: 8308718		Prep Date: 4/6/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Aldrin	0.1747	0.010	0.167	0	105	46-167	0.1652	5.59	20	
Surr: Decachlorobiphenyl	0.1605	0	0.208	0	77.2	30-162	0.153	4.78	21	
Surr: Tetrachloro-m-xylene	0.22	0	0.208	0	106	54-141	0.2073	5.93	20	

The following samples were analyzed in this batch: 22040132-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Republic Industrial and Energy Solutions, LLC
 Work Order: 22040132
 Project: F039 Leachate analysis 04.01.2022

QC BATCH REPORT

Batch ID: 194374 Instrument ID SVMS9 Method: SW846 8270D

MBLK		Sample ID: SBLKW1-194374-194374				Units: µg/L		Analysis Date: 4/11/2022 12:28 PM		
Client ID:		Run ID: SVMS9_220411A				SeqNo: 8317568		Prep Date: 4/8/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	ND	5.0								
Surr: 2,4,6-Tribromophenol	11.86	0	50	0	23.7	27-83	0			S
Surr: 2-Fluorobiphenyl	36.1	0	50	0	72.2	26-79	0			
Surr: 2-Fluorophenol	12.35	0	50	0	24.7	13-56	0			
Surr: 4-Terphenyl-d14	43.49	0	50	0	87	43-106	0			
Surr: Nitrobenzene-d5	38.5	0	50	0	77	29-80	0			
Surr: Phenol-d6	6.31	0	50	0	12.6	10-35	0			

LCS		Sample ID: SLCSW1-194374-194374				Units: µg/L		Analysis Date: 4/11/2022 12:52 PM		
Client ID:		Run ID: SVMS9_220411A				SeqNo: 8317569		Prep Date: 4/8/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	10.36	5.0	20	0	51.8	14-65	0			
Surr: 2,4,6-Tribromophenol	45.09	0	50	0	90.2	27-83	0			S
Surr: 2-Fluorobiphenyl	35.86	0	50	0	71.7	26-79	0			
Surr: 2-Fluorophenol	25.11	0	50	0	50.2	13-56	0			
Surr: 4-Terphenyl-d14	41.83	0	50	0	83.7	43-106	0			
Surr: Nitrobenzene-d5	39.29	0	50	0	78.6	29-80	0			
Surr: Phenol-d6	15.87	0	50	0	31.7	10-35	0			

MS		Sample ID: 22040104-09A MS				Units: µg/L		Analysis Date: 4/11/2022 02:26 PM		
Client ID:		Run ID: SVMS9_220411A				SeqNo: 8317570		Prep Date: 4/8/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	9.391	5.3	21.39	0	43.9	14-65	0			
Surr: 2,4,6-Tribromophenol	20.43	0	53.48	0	38.2	27-83	0			
Surr: 2-Fluorobiphenyl	42.86	0	53.48	0	80.1	26-79	0			S
Surr: 2-Fluorophenol	2.877	0	53.48	0	5.38	13-56	0			S
Surr: 4-Terphenyl-d14	43	0	53.48	0	80.4	43-106	0			
Surr: Nitrobenzene-d5	40.84	0	53.48	0	76.4	29-80	0			
Surr: Phenol-d6	1.337	0	53.48	0	2.5	10-35	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Republic Industrial and Energy Solutions, LLC
Work Order: 22040132
Project: F039 Leachate analysis 04.01.2022

QC BATCH REPORT

Batch ID: **194374** Instrument ID **SVMS9** Method: **SW846 8270D**

MSD				Sample ID: 22040104-09A MSD		Units: µg/L		Analysis Date: 4/11/2022 02:49 PM		
Client ID:		Run ID: SVMS9_220411A			SeqNo: 8317571		Prep Date: 4/8/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	10.71	5.3	21.03	0	51	14-65	9.391	13.2	30	
Surr: 2,4,6-Tribromophenol	51.08	0	52.57	0	97.2	27-83	20.43	85.7	40	SR
Surr: 2-Fluorobiphenyl	37.4	0	52.57	0	71.1	26-79	42.86	13.6	40	
Surr: 2-Fluorophenol	26	0	52.57	0	49.5	13-56	2.877	160	40	R
Surr: 4-Terphenyl-d14	45.82	0	52.57	0	87.2	43-106	43	6.35	40	
Surr: Nitrobenzene-d5	42.35	0	52.57	0	80.6	29-80	40.84	3.64	40	S
Surr: Phenol-d6	16.57	0	52.57	0	31.5	10-35	1.337	170	40	R

The following samples were analyzed in this batch: 22040132-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Hazardous Substances Limitations and Reporting

<u>RCRA CODE(S)</u>	<u>NAME</u>	<u>LIMIT (mg/ml)</u>	<u>MINIMUM⁵ MONITORING FREQUENCY</u>	<u>MINIMUM REPORTING FREQUENCY</u>
F039, P004	Aldrin	200	monthly/per load	monthly
U021	Benzidine	200	monthly/per load	monthly
P016, K017	sym-Dichloromethyl ether	160	monthly/per load	monthly
F020, F021, F022, F026, F027, F028, F032, F039, F032, K043, K099	Hexachlorodibenzo-p-dioxins	6	monthly/per load	monthly
K174, K178	Hexachlorodibenzo-p-dioxins, all	6	monthly/per load	monthly
F039, P082	Nitrosodimethylamine	200	monthly/per load	monthly
F039, K174, K178	1,2,3,4,6,7,8,9- Octachloro- dibenzofuran	6	monthly/per load	monthly
F039, K174, K178	1,2,3,4,6,7,8,9- Octachloro- dibenzo-p-dioxin	6	monthly/per load	monthly
F020, F021, F022, F026, F027, F028, F032, F039, F032, K043	Tetrachlorodibenzo-p-dioxins (TCDD)	30	monthly/per load	monthly
K174, K178	Tetrachlorodibenzo-p-dioxins (TCDD)	30	monthly/per load	monthly
P110	Tetraethyl lead	100	monthly/per load	monthly

⁵The monthly chemical analyses for the specific chemicals and waste codes required by this table apply to post-treatment "source" material for injection. A "per load" fingerprint analysis is required for each incoming waste shipment received and for each batch of post-treatment source material as specified in Part III(E) to confirm the general characteristics of the materials. The fingerprint analysis of the general characteristics of the source is not specific to these individual waste codes.

ALS Group, USA

Sample Receipt Checklist

Client Name: **REPULICINDUSTRIAL - ROMULU**

Date/Time Received: **01-Apr-22 22:30**

Work Order: **22040132**

Received by: **DS**

Checklist completed by **Diane Shaw**

02-Apr-22

Reviewed by:

eSignature

Date

eSignature

Date

Matrices: **Liquid**

Carrier name: **Courier**

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<div>3.5/4.5 c IR3</div>		
Cooler(s)/Kit(s):	<div></div>		
Date/Time sample(s) sent to storage:	<div>4/2/2022 9:44:27 AM</div>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<div></div>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



April 15, 2022

Service Request No:E2200281

Les Arnold
ALS - Holland
3352 128th Avenue
Holland, MI 49424

Laboratory Results for: 22040132

Dear Les,

Enclosed are the results of the sample(s) submitted to our laboratory April 05, 2022
For your reference, these analyses have been assigned our service request number **E2200281**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety and ALS Environmental is not responsible for use of less than the complete final report. Results apply only to the items submitted to the laboratory, as received for analysis. In accordance with the current TNI Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Corey Grandits
Project Manager

ADDRESS 10450 Stancliff Rd., Suite 210, Houston, TX 77099
PHONE +1 281 530 5656 | FAX +1 281 530 5887
ALS Group USA, Corp.
dba ALS Environmental



Certificate of Analysis

ALS Environmental - Houston HRMS
10450 Stancliff Rd, Suite 210, Houston TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

ALS Environmental

Client: ALS Holland
Project: 22040132
Sample Matrix: L

Service Request No.: E2200281
Date Received: 04/05/22

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One sample was received for analysis at ALS Environmental in Houston on 04/05/22.

The sample was received in good condition and is consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

Precision and Accuracy:

EQ2200137: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported in lieu of a MS/MSD for this extraction batch. The LCS and DLCS recoveries are within QC limits.

Method Blanks

The Method Blank EQ2200737-01 contained low levels of target compounds below the Method Reporting Limit (MRL). The associated compounds in the samples are flagged with 'B' flags where the sample result is less than ten times the level detected in the method blank.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

2378-TCDF

Samples analyzed on the DB-5MSUI column were analyzed under conditions where sufficient separation between 2,3,7,8-TCDF and its closest eluter was achieved. Confirmation of this result was not required.

Detection Limits

Detection limits are calculated for each analyte in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ Summary results for each sample have been calculated by ALS/Houston to include:

- WHO-2005 TEFs, The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds (M. Van den Berg et al., Toxicological Sciences 93(2):223-241, 2006)
- 2378-TCDF from the DB-225 column, when confirmation required

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS group USA Corp dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Client: ALS Environmental - Holland (MI)
Project: 22040132

Service Request:E2200281

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
E2200281-001	March 2022 F039 Leachate	4/1/2022	0000

Service Request Summary

Folder #: E2200281
Client Name: ALS Environmental - Holland (MI)
Project Name: 22040132
Project Number:

Report To: Les Arnold
ALS - Holland
3352 128th Avenue
Holland, MI 49424
USA

Phone Number: 616-738-7307
Cell Number: 616-836-2964
Fax Number: 616-399-6185
E-mail: les.arnold@alsglobal.com

Project Chemist: Corey Grandits

Originating Lab: HOUSTON

Logged By: CGRANDITS

Date Received: 04/05/22

Internal Due Date: 4/15/2022

QAP: LAB QAP

Qualifier Set: HRMS Qualifier Set

Formset: Lab Standard

Merged?: N

Report to MDL?: Y

P.O. Number: 22040132

EDD: No EDD Specified

1 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved

Location: EHRMS-WIC 3C

Pressure Gas:

Lab Samp No.	Client Samp No	Matrix	Collected
E2200281-001	March 2022 F039 Leachate	Aqueous Leachate	04/01/22 0000
HOUSTON		Dioxins Furans/1613B	
		II	

Service Request Summary

Folder #: E2200281
Client Name: ALS Environmental - Holland (MI)
Project Name: 22040132
Project Number:

Report To: Les Arnold
ALS - Holland
3352 128th Avenue
Holland, MI 49424
USA
Phone Number: 616-738-7307
Cell Number: 616-836-2964
Fax Number: 616-399-6185
E-mail: les.arnold@alsglobal.com

Project Chemist: Corey Grandits
Originating Lab: HOUSTON
Logged By: CGRANDITS
Date Received: 04/05/22
Internal Due Date: 4/15/2022
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: N
Report to MDL?: Y
P.O. Number: 22040132
EDD: No EDD Specified

1 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved
Location: EHRMS-WIC 3C
Pressure Gas:

Data Qualifiers

HRMS Qualifier Set

- B Indicates the associated analyte was found in the method blank at >1/10th the reported value.
- E Estimated value. The reported concentration is above the calibration range of the instrument.
- H Sample extracted and/or analyzed out of suggested holding time.
- J Estimated value. The reported concentration is below the MRL.
- K The ion abundance ratio between the primary and secondary ions were outside of theoretical acceptance limits. The concentration of this analyte should be considered as an estimate.
- P Chlorodiphenyl ether interference was present at the retention time of the target analyte. Reported result should be considered an estimate.
- Q Monitored lock-mass indicates matrix-interference. Reported result is estimated.
- S Signal saturated detector. Result reported from dilution.
- U Compound was analyzed for, but was not detected (ND).
- X See Case Narrative.
- Y Isotopically Labeled Standard recovery outside of acceptance limits. In all cases, the signal-to-noise ratios are greater than 10:1, making the recoveries acceptable.
- i The MDL/MRL have been elevated due to a matrix interference.

ALS Laboratory Group

Acronyms

Cal	Calibration
Conc	CONCetration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient



State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Arizona Department of Health Services	AZ0793-2022	5/27/2022
California Department of Health Services	2919	4/30/2022
California Department of Health Services	2919-2022	4/30/2022
Florida Department of Health	E87611-34	6/30/2022
Hawaii Department of Health	2021-2022	4/30/2022
Illinois Environmental Protection Agency	2000322021-7	5/9/2022
Kansas Department of Health and Environment	E-10352 2022	7/31/2022
Louisiana Department of Environmental Quality	03087-2021	6/30/2022
Louisiana Department of Environmental Quality	03087-2020	6/30/2022
Louisiana Department of Health and Hospitals	LA028	12/31/2022
Maine Department of Health and Human Services	2020016	6/5/2022
Maryland Department of the Environment	343	6/30/2022
Michigan Department of Environmental Quality	9971	4/30/2022
Minnesota Department of Health	2228443	12/31/2022
Nebraska Department of Health and Human Services	NE-OS-25-13	4/30/2022
Nevada Department of Conservation and Natural Resources	TX026932022-1	7/31/2022
New Hampshire Environmental Laboratory Accreditation Program	209421	4/24/2022
New Hampshire Environmental Laboratory Accreditation Program	209419	4/24/2022
New Jersey Department of Environmental Protection	TX008	6/30/2022
New York Department of Health	11707	3/31/2023
Oklahoma Department of Environmental Quality	2021-080	8/31/2022
Pennsylvania Department of Environmental Protection	68-03441-015	6/30/2022
Tennessee Department of Environment and Conservation	04016	4/30/2022
Tennessee Department of Environment and Conservation	04016-2021	4/30/2022
Texas Commission on Environmental Quality	T104704231-21-28	4/30/2022
Texas Commission on Environmental Quality	T104704231-21-27	4/30/2022
United States Department of Agriculture	P330-19-00299	10/10/2022
Utah Department of Health Environmental Laboratory Certification	TX026932021-12	7/31/2022
Washington Department of Health	C819-2022	11/14/2022

ALS ENVIRONMENTAL – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID 52200281

DB-5MSUI

SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date:	Analyst:	Samples:
04/15/22	LKL	001

Second Level - Data Review – to be filled by person doing peer review

Date:	Analyst:	Samples:
4/15/22	[Signature]	001



Chain of Custody

ALS Environmental - Houston HRMS
10450 Stancliff Rd, Suite 210, Houston TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

**Subcontractor:**

ALS Environmental - Houston HR
10450 Standcliff Rd
Suite 210
Houston, TX 77099

TEL: (713) 266-1599

FAX:

Acct #:

ALS Environmental**ALS/IN Account****Salesperson**

Customer Information		Project Information		Parameter/Method Request for Analysis																			
Purchase Order	Work Order	Project Name	Project Number	Subcontracted Analyses (SUBCONTRACT)																			
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp	A	B	C	D	E	F	G	H	I	J										
Send Report To	Les Arnold	Inv Attn	Accounts Payable	B	DICHLOS - SEE LIST																		
Address	3352 128th Ave	Address	3352 128th Ave	C																			
City/State/Zip	Holland, Michigan 49424	City/State/Zip	Holland, Michigan 49424	D																			
Phone	(616) 399-6070	Phone	(616) 399-6070	E																			
Fax	(616) 399-6185	Fax	(616) 399-6185	F																			
eMail Address	les.arnold@alsglobal.com	eMail CC		G																			
ALS Sample ID	Client Sample ID	Matrix	Collection Date 24hr	H																			
22040132-01B	March 2022 F039	Liquid	1/Apr/2022	I																			
Leachate analysis				J																			

Comments:

Form 133
#31
4/15/22

4/15/22 14:16

Relinquished by:

Date/Time

Received by:

Date/Time

Cooler IDs

Report QC Level

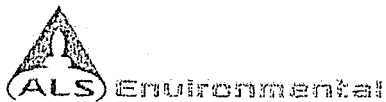
Relinquished by:

Date/Time

Received by:

Date/Time

Std



Cooler Receipt Form

Project Chemist

14

Client/Project

ALC-11

Thermometer ID

1111

Date/Time Received:

4-5-22

Initials:

24

Date/Time Logged in:

4-5-22

Initials

14

1. Method of delivery: ☐ US Mail ☒ Fed Ex ☐ UPS ☐ DHL ☐ Courier ☐ Client

2. Samples received in: ☒ Cooler ☐ Box ☐ Envelope ☐ Other

3. Were custody seals on coolers? ☐ Yes ☒ No

If yes, how many
and where?

Were they intact? ☐ Yes ☐ No ☒ N/A

Were they signed and dated? ☐ Yes ☐ No ☒ N/A

4. Packing Material: ☐ Inserts ☐ Baggies ☒ Bubble Wrap ☒ Gel Packs ☒ Wet Ice ☐ Sleeves ☐ Other

5. Foreign or Regulated Soil?

☐ Yes ☐ No

Location of Sampling:

Cooler Tracking Number	COC ID	Date Opened	Time Opened	Opened By	Temp. °C	Temp Blank?
9817 7687 3117		4-5-22	1416	24	1.8	<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

6. Were custody papers properly filled out (ink, signed, dated, etc)?

☒ Yes ☐ No

7. Did all bottles arrive in good condition (not broken, no signs of leakage)?

☒ Yes ☐ No

8. Were all sample labels complete (i.e., sample ID, analysis, preservation, etc)?

☒ Yes ☐ No

9. Were appropriate bottles/containers and volumes received for the requested tests?

☒ Yes ☐ No

10. Did sample labels and tags agree with custody documents?

☒ Yes ☐ No

Notes, Discrepancies, & Resolutions:

Service request Label:

HS-HRMSCoolerReceipt R1.0

ALS Environmental - Houston HRMS



10450 Stancliff Rd., Suite 210
Houston, TX 77099
T: +1 713 266 1599
F: +1 713 266 1599
www.alsglobal.com

SAMPLE ACCEPTANCE POLICY

This policy outlines the criteria samples must meet to be accepted by ALS Environmental – Houston HRMS.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

- ✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sample. The COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, the COC will be requested from the client.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C.
- ✓ Air samples are shipped and stored cold, at 0 to 6°C
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder. Data associated with samples received outside of this acceptance policy will be qualified on the case narrative of the final report



Preparation Information Benchsheets

ALS Environmental - Houston HRMS
10450 Stancliff Rd., Suite 210, Houston, TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

Preparation Information Benchsheet

Prep Run#: 397783
Team: Semivoa GCMS/SHIVANI NAIDU

Prep Workflow: OrgExtAq(365)
Prep Method: Method Sep Funnel/Jar

Status: Prepped
Prep Date/Time: 4/7/22 15:59

#	Lab Code	Client ID	B#	Method /Test	pH	CI	Matrix	Amt. Ext.	Sample Description
1	E2200252-001	FR Bleach Plant	.01	1613B/Dioxins Furans	7	n	Water	1976mL	orange cloudy
2	E2200253-001	Final Effluent	.01	1613B/Dioxins Furans	7	n	Water	986mL	cloudy
3	E2200254-001	Cameo	.01	1613B/Dioxins Furans	7	n	Water	1031mL	cloudy
4	E2200258-001	120867M,N	.01	1613B/Dioxins Furans	7	n	Wastewater	989mL	yellow cloudy
5	E2200259-001	IR-SW-P18/9-022	.01	1613B/Dioxins Furans	7	n	Water	970mL	yellow clear
6	E2200259-002	IR-SW-P18/9-024	.01	1613B/Dioxins Furans	7	n	Water	898mL	orange clear
7	E2200259-003	IR-SW-P18/9-025	.01	1613B/Dioxins Furans	7	n	Water	988mL	orange clear
8	E2200259-004	IR-SW-P18/9-026	.01	1613B/Dioxins Furans	7	n	Water	938mL	orange clear
9	E2200259-005	IR-SW-P18/9-027	.01	1613B/Dioxins Furans	7	n	Water	945mL	orange clear
10	E2200259-006	IR-SW-P18/9-028	.01	1613B/Dioxins Furans	7	n	Water	894mL	orange clear
11	E2200259-008	IR-SW-SW8-015	.01	1613B/Dioxins Furans	7	n	Water	877mL	yellow clear
12	E2200259-009	IR-SW-G2L-012	.01	1613B/Dioxins Furans	7	n	Water	885mL	yellow clear
13	E2200259-010	IR-PW-HCSA-001	.01	1613B/Dioxins Furans	7	n	Water	920mL	yellow cloudy
14	E2200259-011	IR-PW-HCSA-002	.01	1613B/Dioxins Furans	7	n	Water	914mL	yellow cloudy
15	E2200263-001	Effluent Tbl II+307 Comp	.02	1613B/Dioxins Furans	7	n	Water	982mL	clear
16	E2200264-001	Influent Tbl II+307 Comp	.02	1613B/Dioxins Furans	7	n	Water	943mL	black
17	E2200275-003	BP031522+ ID Composite	.01	1613B/Dioxins Furans Unadjusted	7	n	Wastewater	1000.0mL	yellow cloudy
18	E2200281-001	March 2022 F039 Leachate	.01	1613B/Dioxins Furans	7	n	Aqueous Leachate	203mL	green
19	EQ2200137-01	MB		1613B/Dioxins Furans	7	n	Liquid	1000.0mL	
20	EQ2200137-02	LCS		1613B/Dioxins Furans	7	n	Liquid	1000mL	
21	EQ2200137-03	DLCs		1613B/Dioxins Furans	7	n	Liquid	1000.0mL	
22	K2203327-001	2378 TCDF and 2378 TCDD	.01	1613B/Dioxins Furans	7	n	Water	995mL	orange cloudy
23	K2203345-009	WC-EB01-03302022	.06	1613B/Dioxins Furans	7	n	Water	1008mL	clear

Spiking Solutions

Name:	8290/1613B Cleanup Working Standard	Inventory ID	222353	Logbook Ref:	tw 04/04/22 222353	Expires On:	08/04/2022
E2200252-001	100.00µL	E2200253-001	100.00µL	E2200254-001	100.00µL	E2200259-001	100.00µL
E2200259-003	100.00µL	E2200259-004	100.00µL	E2200259-005	100.00µL	E2200259-006	100.00µL
E2200259-010	100.00µL	E2200259-011	100.00µL	E2200263-001	100.00µL	E2200264-001	100.00µL
EQ2200137-01	100.00µL	EQ2200137-01	100.00µL	EQ2200137-02	100.00µL	EQ2200137-02	100.00µL
K2203327-001	100.00µL	K2203345-009	100.00µL				

Name:	1613B Matrix Working Standard	Inventory ID	222412	Logbook Ref:	SN 4/6/22	Expires On:	10/03/2022
EQ2200137-02	100.00µL	EQ2200137-02	100.00µL	EQ2200137-03	100.00µL		

Preparation Information Benchsheet

Prep Run#: 397783
Team: Semivoa GCMS/SHIVANI NAIDU

Prep WorkFlow: OrgExtAq(365)
Prep Method: Method Sep Funnel/Jar

Status: Prepped
Prep Date/Time: 4/7/22 15:59

Name:	1613B Labeled Working Standard	Inventory ID	222433	Logbook Ref:	SN 4/7/22	Expires On:	06/18/2022
E2200252-001	1,000.00µL	E2200253-001	1,000.00µL	E2200258-001	1,000.00µL	E2200259-002	1,000.00µL
E2200259-003	1,000.00µL	E2200259-004	1,000.00µL	E2200259-006	1,000.00µL	E2200259-009	1,000.00µL
E2200259-010	1,000.00µL	E2200259-011	1,000.00µL	E2200263-001	1,000.00µL	E2200281-001	1,000.00µL
EQ2200137-01	1,000.00µL	EQ2200137-01	1,000.00µL	EQ2200137-02	1,000.00µL	EQ2200137-03	1,000.00µL
K2203327-001	1,000.00µL	K2203345-009	1,000.00µL				

Preparation Materials

Carbon, High Purity	SN 3/14/2022 (222081)	Ethyl Acetate 99.9% Minimum EtOAc	SN 12/16/21 (220923)	Glass Wool	tw 7/8/21 glass wool (218851)
Hexanes 95%	tw 12/30/21 (221138)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	SN 3/24/2022 (222245)	Sodium Hydroxide 1N NaOH	tw 08/10/21 (218694)
Tridecane (n-Tridecane)	tridecane (218692)	Silica Gel	tw 3/3/22 silica gel (222195)	sulfuric acid	8/12/21 tw (218912)
Toluene 99.9% Minimum	SN 12/23/21 (221021)	ColorpHast pH-Indicator Strips	pH-Indicator strips (217936)	Chlorine Test Strips	chlorine test strips (206954)
Sodium Sulfate Anhydrous	tw 04/12/21 (217292)				
Reagent Grade Na2SO4					

Preparation Steps

Step:	Extraction	Step:	Acid Clean	Step:	Silica Gel Clean	Step:	Final Volume
Started:	4/7/22 15:59	Started:	4/11/22 10:00	Started:	4/11/22 11:00	Started:	4/11/22 14:00
Finished:	4/8/22 16:46	Finished:	4/11/22 11:00	Finished:	4/11/22 14:00	Finished:	4/11/22 17:00
By:	SHIVANI NAIDU	By:	SHIVANI NAIDU	By:	SHIVANI NAIDU	By:	SHIVANI NAIDU
Comments		Comments		Comments		Comments	

Comments:

Reviewed By: SN Date: 4/11/22

Chain of Custody

Relinquished By:	Date:	Extracts Examined
Received By:	Date:	Yes No



Analytical Results

ALS Environmental - Houston HRMS
10450 Stancliff Rd., Suite 210, Houston, TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 203mL

Date Analyzed: 04/13/22 05:08
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537350

Data File Name: P537355
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	7.24JK		5.00	24.6	0.34	1.001	1
1,2,3,7,8-PeCDD	19.8JK		2.90	123	1.18	1.000	1
1,2,3,4,7,8-HxCDD	9.82JK		3.11	123	1.49	1.000	1
1,2,3,6,7,8-HxCDD	27.4JK		3.47	123	0.77	1.000	1
1,2,3,7,8,9-HxCDD	15.7J		3.29	123	1.26	1.007	1
1,2,3,4,6,7,8-HpCDD	282		9.35	123	0.99	1.000	1
OCDD	3590		12.5	246	0.89	1.000	1
2,3,7,8-TCDF	40.5K		5.12	24.6	0.49	1.001	1
1,2,3,7,8-PeCDF	491		9.74	123	1.64	1.001	1
2,3,4,7,8-PeCDF	364		9.32	123	1.46	1.000	1
1,2,3,4,7,8-HxCDF	4830		74.2	123	1.16	1.000	1
1,2,3,6,7,8-HxCDF	1530		82.3	123	1.18	1.000	1
1,2,3,7,8,9-HxCDF	102JK		87.9	123	1.51	1.001	1
2,3,4,6,7,8-HxCDF	393		76.8	123	1.27	1.000	1
1,2,3,4,6,7,8-HpCDF	38500		8.20	123	1.00	1.000	1
1,2,3,4,7,8,9-HpCDF	705		9.51	123	1.03	1.000	1
OCDF	58200		53.7	246	0.86	1.005	1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 203mL

Date Analyzed: 04/13/22 05:08
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537350

Data File Name: P537355
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	89.8		5.00	24.6	0.76		1
Total Penta-Dioxins	47.1J		2.90	123	1.51		1
Total Hexa-Dioxins	106J		3.29	123	1.06		1
Total Hepta-Dioxins	597		9.35	123	1.18		1
Total Tetra-Furans	2320		5.12	24.6	0.74		1
Total Penta-Furans	5040		3.09	123	1.53		1
Total Hexa-Furans	14500		80.2	123	1.13		1
Total Hepta-Furans	41700		8.83	123	1.00		1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: Percent
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 203mL

Date Analyzed: 04/13/22 05:08
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537350

Data File Name: P537355
ICAL Date: 01/18/22

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1077.000	54		25-164	0.76	1.020
13C-1,2,3,7,8-PeCDD	2000	1253.337	63		25-181	1.64	1.177
13C-1,2,3,4,7,8-HxCDD	2000	1383.310	69		32-141	1.30	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1225.369	61		28-130	1.28	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1171.452	59		23-140	1.07	1.066
13C-OCDD	4000	1925.839	48		17-157	0.90	1.141
13C-2,3,7,8-TCDF	2000	1091.655	55		24-169	0.79	0.994
13C-1,2,3,7,8-PeCDF	2000	1318.940	66		24-185	1.54	1.136
13C-2,3,4,7,8-PeCDF	2000	1340.058	67		21-178	1.56	1.168
13C-1,2,3,4,7,8-HxCDF	2000	1303.030	65		26-152	0.50	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1088.667	54		26-123	0.51	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1336.963	67		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1273.150	64		28-136	0.51	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1084.276	54		28-143	0.44	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1192.803	60		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	493.062	62		35-197	NA	1.020

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar

Toxicity Equivalency Quotient

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	7.24	5.00	24.6	1	1	7.24
1,2,3,7,8-PeCDD	19.8	2.90	123	1	1	19.8
1,2,3,4,7,8-HxCDD	9.82	3.11	123	1	0.1	0.982
1,2,3,6,7,8-HxCDD	27.4	3.47	123	1	0.1	2.74
1,2,3,7,8,9-HxCDD	15.7	3.29	123	1	0.1	1.57
1,2,3,4,6,7,8-HpCDD	282	9.35	123	1	0.01	2.82
OCDD	3590	12.5	246	1	0.0003	1.08
2,3,7,8-TCDF	40.5	5.12	24.6	1	0.1	4.05
1,2,3,7,8-PeCDF	491	9.74	123	1	0.03	14.7
2,3,4,7,8-PeCDF	364	9.32	123	1	0.3	109
1,2,3,4,7,8-HxCDF	4830	74.2	123	1	0.1	483
1,2,3,6,7,8-HxCDF	1530	82.3	123	1	0.1	153
1,2,3,7,8,9-HxCDF	102	87.9	123	1	0.1	10.2
2,3,4,6,7,8-HxCDF	393	76.8	123	1	0.1	39.3
1,2,3,4,6,7,8-HpCDF	38500	8.20	123	1	0.01	385
1,2,3,4,7,8,9-HpCDF	705	9.51	123	1	0.01	7.05
OCDF	58200	53.7	246	1	0.0003	17.5
Total TEQ						1260

2005 WHO TEFs, ND = 0

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: EQ2200137-01

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/11/22 19:00
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537325
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	2.69	5.00			1
1,2,3,7,8-PeCDD	ND	U	1.01	25.0			1
1,2,3,4,7,8-HxCDD	ND	U	1.02	25.0			1
1,2,3,6,7,8-HxCDD	ND	U	1.05	25.0			1
1,2,3,7,8,9-HxCDD	ND	U	1.04	25.0			1
1,2,3,4,6,7,8-HpCDD	3.04JK		1.11	25.0	0.75	1.000	1
OCDD	18.3J		1.31	50.0	0.82	1.001	1
2,3,7,8-TCDF	ND	U	2.23	5.00			1
1,2,3,7,8-PeCDF	ND	U	1.04	25.0			1
2,3,4,7,8-PeCDF	ND	U	0.974	25.0			1
1,2,3,4,7,8-HxCDF	1.40J		0.461	25.0	1.09	1.000	1
1,2,3,6,7,8-HxCDF	ND	U	0.500	25.0			1
1,2,3,7,8,9-HxCDF	0.967J		0.577	25.0	1.42	1.000	1
2,3,4,6,7,8-HxCDF	ND	U	0.491	25.0			1
1,2,3,4,6,7,8-HpCDF	2.31JK		0.553	25.0	0.74	1.000	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.676	25.0			1
OCDF	24.0JK		1.62	50.0	0.75	1.005	1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: EQ2200137-01

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/11/22 19:00
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537325
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	ND	U	2.69	5.00			1
Total Penta-Dioxins	ND	U	1.01	25.0			1
Total Hexa-Dioxins	ND	U	1.04	25.0			1
Total Hepta-Dioxins	ND	U	1.11	25.0			1
Total Tetra-Furans	ND	U	2.23	5.00			1
Total Penta-Furans	ND	U	1.01	25.0			1
Total Hexa-Furans	2.36J		0.505	25.0	1.09		1
Total Hepta-Furans	ND	U	0.611	25.0			1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: EQ2200137-01

Units: Percent
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/11/22 19:00
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537325
ICAL Date: 01/18/22

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	933.912	47		25-164	0.79	1.019
13C-1,2,3,7,8-PeCDD	2000	999.641	50		25-181	1.61	1.176
13C-1,2,3,4,7,8-HxCDD	2000	1081.782	54		32-141	1.30	0.992
13C-1,2,3,6,7,8-HxCDD	2000	1021.399	51		28-130	1.30	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	875.899	44		23-140	1.07	1.066
13C-OCDD	4000	1420.608	36		17-157	0.92	1.141
13C-2,3,7,8-TCDF	2000	994.281	50		24-169	0.80	0.994
13C-1,2,3,7,8-PeCDF	2000	1079.527	54		24-185	1.57	1.136
13C-2,3,4,7,8-PeCDF	2000	1108.493	55		21-178	1.61	1.167
13C-1,2,3,4,7,8-HxCDF	2000	1031.958	52		26-152	0.51	0.972
13C-1,2,3,6,7,8-HxCDF	2000	913.896	46		26-123	0.50	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1014.831	51		29-147	0.50	1.009
13C-2,3,4,6,7,8-HxCDF	2000	1041.445	52		28-136	0.51	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	806.700	40		28-143	0.43	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	845.577	42		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	439.012	55		35-197	NA	1.020



Accuracy & Precision

ALS Environmental - Houston HRMS
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Analyzed: 04/12/22
Date Extracted: 04/07/22

Duplicate Lab Control Sample Summary
Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar

Units: pg/L
Basis: NA
Analysis Lot: 760553

Lab Control Sample
EQ2200137-02

Duplicate Lab Control Sample
EQ2200137-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2,3,4,6,7,8-HpCDD	1070	1000	107	1060	1000	106	70-140	2	50
1,2,3,4,7,8-HxCDD	949	1000	95	966	1000	97	70-164	2	50
1,2,3,6,7,8-HxCDD	1000	1000	100	1010	1000	101	76-134	<1	50
1,2,3,7,8,9-HxCDD	1050	1000	105	1120	1000	112	64-162	7	50
1,2,3,7,8-PeCDD	1050	1000	105	1080	1000	108	70-142	3	50
2,3,7,8-TCDD	191	200	96	192	200	96	67-158	<1	50
OCDD	2130	2000	107	2150	2000	107	78-144	<1	50
1,2,3,4,6,7,8-HpCDF	1060	1000	106	1100	1000	110	82-122	3	50
1,2,3,4,7,8,9-HpCDF	1020	1000	102	1030	1000	103	78-138	1	50
1,2,3,4,7,8-HxCDF	879	1000	88	886	1000	89	72-134	<1	50
1,2,3,6,7,8-HxCDF	975	1000	97	1000	1000	100	84-130	3	50
1,2,3,7,8,9-HxCDF	921	1000	92	906	1000	91	78-130	2	50
1,2,3,7,8-PeCDF	939	1000	94	946	1000	95	80-134	<1	50
2,3,4,6,7,8-HxCDF	918	1000	92	896	1000	90	70-156	3	50
2,3,4,7,8-PeCDF	927	1000	93	941	1000	94	68-160	2	50
2,3,7,8-TCDF	181	200	90	187	200	93	75-158	3	50
OCDF	2180	2000	109	2200	2000	110	63-170	1	50

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Lab Control Sample
Lab Code: EQ2200137-02

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000mL

Date Analyzed: 04/12/22 23:14
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537337

Data File Name: P537348
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	191		2.73	5.00	0.79	1.001	1
1,2,3,7,8-PeCDD	1050		1.19	25.0	1.64	1.000	1
1,2,3,4,7,8-HxCDD	949		0.695	25.0	1.24	1.000	1
1,2,3,6,7,8-HxCDD	1000		0.723	25.0	1.29	1.000	1
1,2,3,7,8,9-HxCDD	1050		0.710	25.0	1.24	1.007	1
1,2,3,4,6,7,8-HpCDD	1070		0.957	25.0	1.05	1.000	1
OCDD	2130		2.83	50.0	0.91	1.000	1
2,3,7,8-TCDF	181		1.89	5.00	0.70	1.001	1
1,2,3,7,8-PeCDF	939		1.72	25.0	1.49	1.000	1
2,3,4,7,8-PeCDF	927		1.69	25.0	1.50	1.000	1
1,2,3,4,7,8-HxCDF	879		0.333	25.0	1.19	1.000	1
1,2,3,6,7,8-HxCDF	975		0.373	25.0	1.15	1.000	1
1,2,3,7,8,9-HxCDF	921		0.390	25.0	1.20	1.000	1
2,3,4,6,7,8-HxCDF	918		0.351	25.0	1.14	1.000	1
1,2,3,4,6,7,8-HpCDF	1060		1.25	25.0	1.03	1.000	1
1,2,3,4,7,8,9-HpCDF	1020		1.66	25.0	1.02	1.000	1
OCDF	2180		1.62	50.0	0.87	1.005	1

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02-2022
Receiving ID#	203022203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	BH

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	6.73
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.6
Conductivity	25.9 nS
% Solids	1.24
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/02-2022
Receiving ID#	I03022203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	DB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	4.73
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.5
Conductivity	45.2 ms
% Solids	4.17
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-2-22
Receiving ID#	I03022202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.77
Sampled by	J.77

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.2
Conductivity	23.4 uS
% Solids	1.71
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-2-22
Receiving ID#	103022201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	J.T.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.78
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.4
Conductivity	24.0 μ S
% Solids	1.60
Turbidity	Yes No
Color	
TSS (%)	20.7
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3.1.22
Receiving ID#	Z03012205
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.I
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	32.2
% Solids	1.64
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.I

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-1-22
Receiving ID#	I03012204 SS7-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.07
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.00
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.5
Conductivity	56.1 ns
% Solids	2.21
Turbidity	Yes No
Color	Clear
TSS (%)	20.1
Radiation Screen (as needed)	None
Lab Signature/Initials	AD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3-1-22
Receiving ID#	103012204
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	AW

SS7-2

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2146
pH (S.U.)	6.73
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	L9
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.4
Conductivity	33.1ms
% Solids	3.43
Turbidity	Yes No
Color	brown
TSS (%)	20.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	PD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.89
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2208
Specific Gravity	1.00
Physical Description	Lq
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.9
Conductivity	56.3 mS
% Solids	2.39
Turbidity	Yes No
Color	Green
TSS (%)	20.1
Radiation Screen (as needed)	NO3
Lab Signature/Initials	PD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012203
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	MA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.74
Cyanides? (mg/L)	36
Sulfides? (ppm)?	200
Specific Gravity	1.02
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	32.8 nS
% Solids	3.18
Turbidity	Yes No
Color	Blowmp
TSS (%)	40.1
Radiation Screen (as needed)	1400
Lab Signature/Initials	DP

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01 - 2022
Receiving ID#	203012201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	5.22
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.00
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.9
Conductivity	31.0 MS
% Solids	1.71
Turbidity	Yes No
Color	Tan
TSS (%)	<0.1
Radiation Screen (as needed)	NEB
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012201
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

55T-2

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	2110
pH (S.U.)	6.79
Cyanides? (mg/L)	230
Sulfides? (ppm)?	200
Specific Gravity	1.01
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.5
Conductivity	31.2 mS
% Solids	2.25
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	DD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	4.42
Cyanides? (mg/L)	236
Sulfides? (ppm)?	2208
Specific Gravity	1.00
Physical Description	Lg
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.6
Conductivity	48.8 mS
% Solids	3.03
Turbidity	Yes No
Color	Light Green
TSS (%)	20.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	DP

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	03/01-2022
Receiving ID#	203012202
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	BB

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.75
Cyanides? (mg/L)	<36
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	LR
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.1
Conductivity	32.5 nS
% Solids	1.71
Turbidity	Yes No
Color	BROWN
TSS (%)	<0.1
Radiation Screen (as needed)	NCA
Lab Signature/Initials	DA

F039 Analysis



15-Apr-2022

Rick Sauve
Republic Industrial and Energy Solutions, LLC
28470 Cintrin Dr.
Romulus, MI 48174

Re: **F039 Leachate analysis 04.01.2022**

Work Order: **22040132**

Dear Rick,

ALS Environmental received 1 sample on 01-Apr-2022 10:30 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 46.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Electronically approved by: Les Arnold

Les Arnold
General Manager

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
Work Order: 22040132

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
22040132-01	March 2022 F039 Leachate analysis	Liquid		4/1/2022	4/1/2022 22:30	<input type="checkbox"/>

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
Work Order: 22040132

Case Narrative

Subcontracted analytical data has been appended to this report in its entirety.

The attached "Sample Receipt Checklist" documents the date of receipt, status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. A copy of the laboratory's scope of accreditation is available upon request.

Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting.

Any flags on MS/MSD samples not addressed in this narrative are unrelated to samples in this report.

With the following exceptions, all sample analyses achieved analytical criteria.

ALS Group, USA

Date: 15-Apr-2022

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
Sample ID: March 2022 F039 Leachate analysis
Collection Date: 4/1/2022

Work Order: 22040132
Lab ID: 22040132-01
Matrix: LIQUID

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
PESTICIDES						
			SW8081B		Prep: SW3511 4/6/22 16:41	Analyst: SJB
Aldrin	ND		0.30	µg/L	1	4/7/2022 04:24 PM
Surr: Decachlorobiphenyl	82.0		30-162	%REC	1	4/7/2022 04:24 PM
Surr: Tetrachloro-m-xylene	80.4		54-141	%REC	1	4/7/2022 04:24 PM
SEMI-VOLATILE ORGANIC COMPOUNDS						
			SW846 8270D		Prep: SW3510 4/8/22 16:31	Analyst: EEW
N-Nitrosodimethylamine	ND		100	µg/L	1	4/11/2022 08:19 PM
Surr: 2,4,6-Tribromophenol	0.320	S	27-83	%REC	1	4/11/2022 08:19 PM
Surr: 2-Fluorobiphenyl	50.5		26-79	%REC	1	4/11/2022 08:19 PM
Surr: 2-Fluorophenol	7.50	S	13-56	%REC	1	4/11/2022 08:19 PM
Surr: 4-Terphenyl-d14	71.8		43-106	%REC	1	4/11/2022 08:19 PM
Surr: Nitrobenzene-d5	25.5	S	29-80	%REC	1	4/11/2022 08:19 PM
Surr: Phenol-d6	0	S	10-35	%REC	1	4/11/2022 08:19 PM
SUBCONTRACTED ANALYSES						
			SUBCONTRACT			Analyst: ALS
Subcontracted Analyses	See attached			as noted	1	4/5/2022

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Republic Industrial and Energy Solutions, LLC
Project: F039 Leachate analysis 04.01.2022
WorkOrder: 22040132

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
as noted	

ALS Group, USA

Date: 15-Apr-22

Client: Republic Industrial and Energy Solutions, LLC

Work Order: 22040132

Project: F039 Leachate analysis 04.01.2022

QC BATCH REPORT

Batch ID: 194246 Instrument ID GC12 Method: SW8081B

MBLK	Sample ID: PBLKW1-194246-194246				Units: µg/L		Analysis Date: 4/7/2022 01:04 PM			
Client ID:	Run ID: GC12_220407A				SeqNo: 8308715		Prep Date: 4/6/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aldrin	ND	0.010								
Surr: Decachlorobiphenyl	0.2075	0	0.208	0	99.8	30-162	0			
Surr: Tetrachloro-m-xylene	0.1755	0	0.208	0	84.4	54-141	0			

LCS	Sample ID: PLCSW1-194246-194246				Units: µg/L		Analysis Date: 4/7/2022 01:41 PM			
Client ID:	Run ID: GC12_220407A				SeqNo: 8308717		Prep Date: 4/6/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aldrin	0.1652	0.010	0.167	0	98.9	46-167	0			
Surr: Decachlorobiphenyl	0.153	0	0.208	0	73.6	30-162	0			
Surr: Tetrachloro-m-xylene	0.2073	0	0.208	0	99.7	54-141	0			

LCSD	Sample ID: PLCSDW1-194246-194246				Units: µg/L		Analysis Date: 4/7/2022 02:08 PM			
Client ID:	Run ID: GC12_220407A				SeqNo: 8308718		Prep Date: 4/6/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aldrin	0.1747	0.010	0.167	0	105	46-167	0.1652	5.59	20	
Surr: Decachlorobiphenyl	0.1605	0	0.208	0	77.2	30-162	0.153	4.78	21	
Surr: Tetrachloro-m-xylene	0.22	0	0.208	0	106	54-141	0.2073	5.93	20	

The following samples were analyzed in this batch: 22040132-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Republic Industrial and Energy Solutions, LLC
 Work Order: 22040132
 Project: F039 Leachate analysis 04.01.2022

QC BATCH REPORT

Batch ID: 194374 Instrument ID SVMS9 Method: SW846 8270D

MBLK		Sample ID: SBLKW1-194374-194374				Units: µg/L		Analysis Date: 4/11/2022 12:28 PM		
Client ID:		Run ID: SVMS9_220411A				SeqNo: 8317568		Prep Date: 4/8/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	ND	5.0								
Surr: 2,4,6-Tribromophenol	11.86	0	50	0	23.7	27-83	0			S
Surr: 2-Fluorobiphenyl	36.1	0	50	0	72.2	26-79	0			
Surr: 2-Fluorophenol	12.35	0	50	0	24.7	13-56	0			
Surr: 4-Terphenyl-d14	43.49	0	50	0	87	43-106	0			
Surr: Nitrobenzene-d5	38.5	0	50	0	77	29-80	0			
Surr: Phenol-d6	6.31	0	50	0	12.6	10-35	0			

LCS		Sample ID: SLCSW1-194374-194374				Units: µg/L		Analysis Date: 4/11/2022 12:52 PM		
Client ID:		Run ID: SVMS9_220411A				SeqNo: 8317569		Prep Date: 4/8/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	10.36	5.0	20	0	51.8	14-65	0			
Surr: 2,4,6-Tribromophenol	45.09	0	50	0	90.2	27-83	0			S
Surr: 2-Fluorobiphenyl	35.86	0	50	0	71.7	26-79	0			
Surr: 2-Fluorophenol	25.11	0	50	0	50.2	13-56	0			
Surr: 4-Terphenyl-d14	41.83	0	50	0	83.7	43-106	0			
Surr: Nitrobenzene-d5	39.29	0	50	0	78.6	29-80	0			
Surr: Phenol-d6	15.87	0	50	0	31.7	10-35	0			

MS		Sample ID: 22040104-09A MS				Units: µg/L		Analysis Date: 4/11/2022 02:26 PM		
Client ID:		Run ID: SVMS9_220411A				SeqNo: 8317570		Prep Date: 4/8/2022		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	9.391	5.3	21.39	0	43.9	14-65	0			
Surr: 2,4,6-Tribromophenol	20.43	0	53.48	0	38.2	27-83	0			
Surr: 2-Fluorobiphenyl	42.86	0	53.48	0	80.1	26-79	0			S
Surr: 2-Fluorophenol	2.877	0	53.48	0	5.38	13-56	0			S
Surr: 4-Terphenyl-d14	43	0	53.48	0	80.4	43-106	0			
Surr: Nitrobenzene-d5	40.84	0	53.48	0	76.4	29-80	0			
Surr: Phenol-d6	1.337	0	53.48	0	2.5	10-35	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Republic Industrial and Energy Solutions, LLC
 Work Order: 22040132
 Project: F039 Leachate analysis 04.01.2022

QC BATCH REPORT

Batch ID: 194374 Instrument ID SVMS9 Method: SW846 8270D

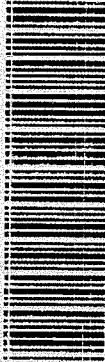
MSD				Sample ID: 22040104-09A MSD		Units: µg/L		Analysis Date: 4/11/2022 02:49 PM		
Client ID:		Run ID: SVMS9_220411A			SeqNo: 8317571		Prep Date: 4/8/2022		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
N-Nitrosodimethylamine	10.71	5.3	21.03	0	51	14-65	9.391	13.2	30	
Surr: 2,4,6-Tribromophenol	51.08	0	52.57	0	97.2	27-83	20.43	85.7	40	SR
Surr: 2-Fluorobiphenyl	37.4	0	52.57	0	71.1	26-79	42.86	13.6	40	
Surr: 2-Fluorophenol	26	0	52.57	0	49.5	13-56	2.877	160	40	R
Surr: 4-Terphenyl-d14	45.82	0	52.57	0	87.2	43-106	43	6.35	40	
Surr: Nitrobenzene-d5	42.35	0	52.57	0	80.6	29-80	40.84	3.64	40	S
Surr: Phenol-d6	16.57	0	52.57	0	31.5	10-35	1.337	170	40	R

The following samples were analyzed in this batch: 22040132-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

22040132

1990年12月1日
 1990年12月1日

[illegible]

Hazardous Substances Limitations and Reporting

<u>RCRA CODE(S)</u>	<u>NAME</u>	<u>LIMIT (mg/ml)</u>	<u>MINIMUM⁵ MONITORING FREQUENCY</u>	<u>MINIMUM REPORTING FREQUENCY</u>
F039, P004	Aldrin	200	monthly/per load	monthly
U021	Benzidine	200	monthly/per load	monthly
P016,K017	sym-Dichloromethyl ether	160	monthly/per load	monthly
F020,F021, F022,F026, F027,F028, F032,F039, F032,K043, K099	Hexachlorodibenzo-p-dioxins	6	monthly/per load	monthly
K174,K178	Hexachlorodibenzo-p-dioxins, all	6	monthly/per load	monthly
F039,P082	Nitrosodimethylamine	200	monthly/per load	monthly
F039,K174, K178	1,2,3,4,6,7,8,9- Octachloro- dibenzofuran	6	monthly/per load	monthly
F039,K174, K178	1,2,3,4,6,7,8,9- Octachloro- dibenzo-p-dioxin	6	monthly/per load	monthly
F020,F021, F022,F026, F027,F028, F032,F039, F032,K043	Tetrachlorodibenzo-p-dioxins (TCDD)	30	monthly/per load	monthly
K174,K178	Tetrachlorodibenzo-p-dioxins (TCDD)	30	monthly/per load	monthly
P110	Tetraethyl lead	100	monthly/per load	monthly

⁵The monthly chemical analyses for the specific chemicals and waste codes required by this table apply to post-treatment "source" material for injection. A "per load" fingerprint analysis is required for each incoming waste shipment received and for each batch of post-treatment source material as specified in Part III(E) to confirm the general characteristics of the materials. The fingerprint analysis of the general characteristics of the source is not specific to these individual waste codes.

ALS Group, USA

Sample Receipt Checklist

Client Name: **REPULICINDUSTRIAL - ROMULU**

Date/Time Received: **01-Apr-22 22:30**

Work Order: **22040132**

Received by: **DS**

Checklist completed by **Diane Shaw**

02-Apr-22

Reviewed by:

eSignature

Date

eSignature

Date

Matrices: Liquid

Carrier name: Courier

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.5/4.5 c</u>		<u>IR3</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>4/2/2022 9:44:27 AM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u></u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction:



April 15, 2022

Service Request No:E2200281

Les Arnold
ALS - Holland
3352 128th Avenue
Holland, MI 49424

Laboratory Results for: 22040132

Dear Les,

Enclosed are the results of the sample(s) submitted to our laboratory April 05, 2022
For your reference, these analyses have been assigned our service request number **E2200281**.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program. The test results meet requirements of the current TNI standards, where applicable, and except as noted in the laboratory case narrative provided. All results are intended to be considered in their entirety and ALS Environmental is not responsible for use of less than the complete final report. Results apply only to the items submitted to the laboratory, as received for analysis. In accordance with the current TNI Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Corey Grandits
Project Manager

ADDRESS 10450 Stancliff Rd., Suite 210, Houston, TX 77099
PHONE +1 281 530 5656 | FAX +1 281 530 5887
ALS Group USA, Corp.
dba ALS Environmental



Certificate of Analysis

ALS Environmental - Houston HRMS
10450 Stancliff Rd, Suite 210, Houston TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

ALS Environmental

Client: ALS Holland
Project: 22040132
Sample Matrix: L

Service Request No.: E2200281
Date Received: 04/05/22

CASE NARRATIVE

All analyses were performed in adherence to the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

One sample was received for analysis at ALS Environmental in Houston on 04/05/22.

The sample was received in good condition and is consistent with the accompanying chain of custody form. The sample was stored in a refrigerator at 4°C upon receipt at the laboratory.

Data Validation Notes and Discussion

Precision and Accuracy:

EQ2200137: Laboratory Control Spike/Duplicate Laboratory Control Spike (LCS/DLCS) samples were analyzed and reported in lieu of a MS/MSD for this extraction batch. The LCS and DLCS recoveries are within QC limits.

Method Blanks

The Method Blank EQ2200737-01 contained low levels of target compounds below the Method Reporting Limit (MRL). The associated compounds in the samples are flagged with 'B' flags where the sample result is less than ten times the level detected in the method blank.

K flags

EMPC - When the ion abundance ratios associated with a particular compound are outside the QC limits, samples are flagged with a 'K' flag. A 'K' flag indicates an estimated maximum possible concentration for the associated compound.

2378-TCDF

Samples analyzed on the DB-5MSUI column were analyzed under conditions where sufficient separation between 2,3,7,8-TCDF and its closest eluter was achieved. Confirmation of this result was not required.

Detection Limits

Detection limits are calculated for each analyte in each sample by measuring the height of the noise level for each quantitation ion for the associated labeled standard. The concentration equivalent to 2.5 times the height of the noise is then calculated using the appropriate response factor and the weight of the sample. The calculated concentration equals the detection limit.

The TEQ Summary results for each sample have been calculated by ALS/Houston to include:

- WHO-2005 TEFs, The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds (M. Van den Berg et al., Toxicological Sciences 93(2):223-241, 2006)
- 2378-TCDF from the DB-225 column, when confirmation required

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and ALS Environmental (ALS) is not responsible for utilization of less than the complete report.

Use of ALS group USA Corp dba ALS Environmental (ALS)'s Name. Client shall not use ALS's name or trademark in any marketing or reporting materials, press releases or in any other manner ("Materials") whatsoever and shall not attribute to ALS any test result, tolerance or specification derived from ALS's data ("Attribution") without ALS's prior written consent, which may be withheld by ALS for any reason in its sole discretion. To request ALS's consent, Client shall provide copies of the proposed Materials or Attribution and describe in writing Client's proposed use of such Materials or Attribution. If ALS has not provided written approval of the Materials or Attribution within ten (10) days of receipt from Client, Client's request to use ALS's name or trademark in any Materials or Attribution shall be deemed denied. ALS may, in its discretion, reasonably charge Client for its time in reviewing Materials or Attribution requests. Client acknowledges and agrees that the unauthorized use of ALS's name or trademark may cause ALS to incur irreparable harm for which the recovery of money damages will be inadequate. Accordingly, Client acknowledges and agrees that a violation shall justify preliminary injunctive relief. For questions contact the laboratory.

Client: ALS Environmental - Holland (MI)
Project: 22040132

Service Request:E2200281

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
E2200281-001	March 2022 F039 Leachate	4/1/2022	0000

Service Request Summary

1 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved
Location: EHRMS-WIC 3C
Pressure Gas:

Folder #: E2200281
Client Name: ALS Environmental - Holland (MI)
Project Name: 22040132
Project Number:
Report To: Les Arnold
ALS - Holland
3352 128th Avenue
Holland, MI 49424
USA
Phone Number: 616-738-7307
Cell Number: 616-836-2964
Fax Number: 616-399-6185
E-mail: les.arnold@alsglobal.com

Project Chemist: Corey Grandits
Originating Lab: HOUSTON
Logged By: CGRANDITS
Date Received: 04/05/22
Internal Due Date: 4/15/2022
QAP: LAB QAP
Qualifier Set: HRMS Qualifier Set
Formset: Lab Standard
Merged?: N
Report to MDL?: Y
P.O. Number: 22040132
EDD: No EDD Specified

E2200281-001	Client Samp No		Matrix Aqueous Leachate	Collected 04/01/22 0000	II
	March 2022	F039 Leachate			
Dioxins Furans/1613B					
HOUSTON					

1 1000 ml-Glass Bottle NM AMBER Teflon Liner Unpreserved
Location: EHRMS-WIC 3C
Pressure Gas:

Service Request Summary

Folder #:	E2200281	Project Chemist:	Corey Grandits
Client Name:	ALS Environmental - Holland (MI)	Originating Lab:	HOUSTON
Project Name:	22040132	Logged By:	CGRANDITS
Project Number:		Date Received:	04/05/22
Report To:	Les Arnold	Internal Due Date:	4/15/2022
	ALS - Holland	QAP:	LAB QAP
	3352 128th Avenue	Qualifier Set:	HRMS Qualifier Set
	Holland, MI 49424	Formset:	Lab Standard
	USA	Merged?:	N
Phone Number:	616-738-7307	Report to MDL?:	Y
Cell Number:	616-836-2964	P.O. Number:	22040132
Fax Number:	616-399-6185	EDD:	No EDD Specified
E-mail:	les.arnold@alsglobal.com		

Data Qualifiers

HRMS Qualifier Set

- B Indicates the associated analyte was found in the method blank at >1/10th the reported value.
- E Estimated value. The reported concentration is above the calibration range of the instrument.
- H Sample extracted and/or analyzed out of suggested holding time.
- J Estimated value. The reported concentration is below the MRL.
- K The ion abundance ratio between the primary and secondary ions were outside of theoretical acceptance limits. The concentration of this analyte should be considered as an estimate.
- P Chlorodiphenyl ether interference was present at the retention time of the target analyte. Reported result should be considered an estimate.
- Q Monitored lock-mass indicates matrix-interference. Reported result is estimated.
- S Signal saturated detector. Result reported from dilution.
- U Compound was analyzed for, but was not detected (ND).
- X See Case Narrative.
- Y Isotopically Labeled Standard recovery outside of acceptance limits. In all cases, the signal-to-noise ratios are greater than 10:1, making the recoveries acceptable.
 - i The MDL/MRL have been elevated due to a matrix interference.

ALS Laboratory Group

Acronyms

Cal	Calibration
Conc	CONCetration
Dioxin(s)	Polychlorinated dibenzo-p-dioxin(s)
EDL	Estimated Detection Limit
EMPC	Estimated Maximum Possible Concentration
Flags	Data qualifiers
Furan(s)	Polychlorinated dibenzofuran(s)
g	Grams
ICAL	Initial CALibration
ID	IDentifier
Ions	Masses monitored for the analyte during data acquisition
L	Liter (s)
LCS	Laboratory Control Sample
DLCS	Duplicate Laboratory Control Sample
MB	Method Blank
MCL	Method Calibration Limit
MDL	Method Detection Limit
mL	Milliliters
MS	Matrix Spiked sample
DMS	Duplicate Matrix Spiked sample
NO	Number of peaks meeting all identification criteria
PCDD(s)	Polychlorinated dibenzo-p-dioxin(s)
PCDF(s)	Polychlorinated dibenzofuran(s)
ppb	Parts per billion
ppm	Parts per million
ppq	Parts per quadrillion
ppt	Parts per trillion
QA	Quality Assurance
QC	Quality Control
Ratio	Ratio of areas from monitored ions for an analyte
% Rec.	Percent recovery
RPD	Relative Percent Difference
RRF	Relative Response Factor
RT	Retention Time
SDG	Sample Delivery Group
S/N	Signal-to-noise ratio
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Quotient

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Arizona Department of Health Services	AZ0793-2022	5/27/2022
California Department of Health Services	2919	4/30/2022
California Department of Health Services	2919-2022	4/30/2022
Florida Department of Health	E87611-34	6/30/2022
Hawaii Department of Health	2021-2022	4/30/2022
Illinois Environmental Protection Agency	2000322021-7	5/9/2022
Kansas Department of Health and Environment	E-10352 2022	7/31/2022
Louisiana Department of Environmental Quality	03087-2021	6/30/2022
Louisiana Department of Environmental Quality	03087-2020	6/30/2022
Louisiana Department of Health and Hospitals	LA028	12/31/2022
Maine Department of Health and Human Services	2020016	6/5/2022
Maryland Department of the Environment	343	6/30/2022
Michigan Department of Environmental Quality	9971	4/30/2022
Minnesota Department of Health	2228443	12/31/2022
Nebraska Department of Health and Human Services	NE-OS-25-13	4/30/2022
Nevada Department of Conservation and Natural Resources	TX026932022-1	7/31/2022
New Hampshire Environmental Laboratory Accreditation Program	209421	4/24/2022
New Hampshire Environmental Laboratory Accreditation Program	209419	4/24/2022
New Jersey Department of Environmental Protection	TX008	6/30/2022
New York Department of Health	11707	3/31/2023
Oklahoma Department of Environmental Quality	2021-080	8/31/2022
Pennsylvania Department of Environmental Protection	68-03441-015	6/30/2022
Tennessee Department of Environment and Conservation	04016	4/30/2022
Tennessee Department of Environment and Conservation	04016-2021	4/30/2022
Texas Commission on Environmental Quality	T104704231-21-28	4/30/2022
Texas Commission on Environmental Quality	T104704231-21-27	4/30/2022
United States Department of Agriculture	P330-19-00299	10/10/2022
Utah Department of Health Environmental Laboratory Certification	TX026932021-12	7/31/2022
Washington Department of Health	C819-2022	11/14/2022

ALS ENVIRONMENTAL – Houston
Data Processing/Form Production and Peer Review Signatures

SR# Unique ID 52200281

DB-5MSUI

SPB-Octyl

First Level - Data Processing - to be filled by person generating the forms

Date:	Analyst:	Samples:
04/15/22	LKL	001

Second Level - Data Review – to be filled by person doing peer review

Date:	Analyst:	Samples:
4/15/22	[Signature]	001



Chain of Custody

ALS Environmental - Houston HRMS
10450 Stancliff Rd, Suite 210, Houston TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com



Subcontractor:
ALS Environmental - Houston HR
10450 Standcliff Rd
Suite 210
Houston, TX 77099

TEL: (713) 265-1599
FAX:
Acct #:

CHAIN-OF-CUSTODY RECORD

Date: 03-Apr-22
COC ID: 19343
Due Date: 07-Apr-22

Page 1 of 1

Environmental

Salesperson

ALSHN Account

Customer Information		Project Information		Parameter/Method Request for Analysis										
Purchase Order	Work Order	Project Name	Project Number	A	B	C	D	E	F	G	H	I	J	
22040132-01B		22040132												
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp											
Send Report To	Les Arnold	Inv Attn	Accounts Payable											
Address	3352 128th Ave	Address	3352 128th Ave											
City/State/Zip	Holland, Michigan 49424	City/State/Zip	Holland, Michigan 49424											
Phone	(616) 399-6070	Phone	(616) 399-6070											
Fax	(616) 399-6185	Fax	(616) 399-6185											
eMail Address	les.arnold@alsglobal.com	eMail CC												
ALS Sample ID	Client Sample ID	Matrix	Collection Date 24hr	Bottle										
22040132-01B	March 2022 F039	Liquid	1/Apr/2022	(1) 1LPNEAT										
Leachate analysis														

Comments:

From 1300
#31
CIF-00

[Signature]

4/8/22

Date/Time

Received by:

4/15/22 14:16

Date/Time

Cooler IDs

Report/OC Level

Std

Relinquished by:

Date/Time

Received by:

Date/Time

Cooler Receipt Form

Project Chemist 64

Client/Project	ALG-11	Thermometer ID	1771
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Date/Time Received: 4-5-22 Initials: PH Date/Time Logged in: 4-6-22 Initials: PH

1. Method of delivery: ☐ US Mail ☒ Fed Ex ☐ UPS ☐ DHL ☐ Courier ☐ Client

2. Samples received in: ☒ Cooler ☐ Box ☐ Envelope ☐ Other

3. Were custody seals on coolers? ☐ Yes ☒ No If yes, how many and where?

Were they intact? ☐ Yes ☐ No ☒ N/A

Were they signed and dated? ☐ Yes ☐ No ☒ N/A

4. Packing Material: ☐ Inserts ☐ Baggies ☒ Bubble Wrap ☒ Gel Packs ☒ Wet Ice ☐ Sleeves ☐ Other

5. Foreign or Regulated Soil? ☐ Yes ☐ No Location of Sampling:

Cooler Tracking Number	COC ID	Date Opened	Time Opened	Opened By	Temp. °C	Temp Blank?
9817 7687 3227		6-4-22	1416	PH	1.8	<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

6. Were custody papers properly filled out (ink, signed, dated, etc)? ☒ Yes ☐ No

7. Did all bottles arrive in good condition (not broken, no signs of leakage)? ☒ Yes ☐ No

8. Were all sample labels complete (i.e., sample ID, analysis, preservation, etc)? ☒ Yes ☐ No

9. Were appropriate bottles/containers and volumes received for the requested tests? ☒ Yes ☐ No

10. Did sample labels and tags agree with custody documents? ☒ Yes ☐ No

Notes, Discrepancies, & Resolutions:

Service request Label:

HS-HRMSCoolerReceipt R1.0

ALS Environmental - Houston HRMS



10450 Stancliff Rd., Suite 210
Houston, TX 77099
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F: +1 713 266 1599
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SAMPLE ACCEPTANCE POLICY

This policy outlines the criteria samples must meet to be accepted by ALS Environmental – Houston HRMS.

Cooler Custody Seals (desirable, mandatory if specified in SAP):

- ✓ Intact on outside of cooler, signed and dated

Chain-of-Custody (COC) documentation (mandatory):

The following is required on each COC:

- ✓ Sample ID, the location, date and time of collection, collector's name, preservation type, sample type, and any other special remarks concerning the sample. The COC must be completed in ink.
- ✓ Signature and date of relinquishing party.

In the absence of a COC at sample receipt, the COC will be requested from the client.

Sample Integrity (mandatory):

Samples are inspected upon arrival to ensure that sample integrity was not compromised during transfer to the laboratory.

- ✓ Sample containers must arrive in good condition (not broken or leaking).
- ✓ Samples must be labeled appropriately, including Sample IDs, and requested test using durable labels and indelible ink.
- ✓ The correct type of sample bottle must be used for the method requested.
- ✓ An appropriate sample volume, or weight, must be received.
- ✓ Sample IDs and number of containers must reconcile with the COC.
- ✓ Samples must be received within the method defined holding time.

Temperature Requirement (varies by sample matrix):

- ✓ Aqueous and Non-aqueous samples must be shipped and stored cold, at 0 to 6°C.
- ✓ Tissue samples must be shipped and stored frozen, at -20 to -10°C.
- ✓ Air samples are shipped and stored cold, at 0 to 6°C
- ✓ The sample temperature must be recorded on the COC

All cooler inspections are documented on the Cooler Receipt Form (CRF). A separate CRF is completed for each service request. Any samples not meeting the above criteria are noted on the CRF and the Project Manager notified. The Project Manager must resolve any sample integrity issues with the client prior to proceeding with the analysis. Such resolutions are documented in writing and filed with the project folder. Data associated with samples received outside of this acceptance policy will be qualified on the case narrative of the final report



Preparation Information Benchsheets

ALS Environmental - Houston HRMS
10450 Stancliff Rd., Suite 210, Houston, TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

Preparation Information Benchsheet

Prep Run#: 397783
Team: Semiova GCMS/SHIVANI NAIDU

Prep WorkFlow: OrgExtAq(365)
Prep Method: Method Sep Funnel/Jar

Status: Prepped
Prep Date/Time: 4/7/22 15:59

#	Lab Code	Client ID	B#	Method /Test	pH	CI	Matrix	Amt. Ext.	Sample Description
1	E2200252-001	FR Bleach Plant	.01	1613B/Dioxins Furans	7	n	Water	1976mL	orange cloudy
2	E2200253-001	Final Effluent	.01	1613B/Dioxins Furans	7	n	Water	986mL	cloudy
3	E2200254-001	Cameo	.01	1613B/Dioxins Furans	7	n	Water	1031mL	cloudy
4	E2200258-001	120867M,N	.01	1613B/Dioxins Furans	7	n	Wastewater	989mL	yellow cloudy
5	E2200259-001	1R-SW-P18/9-022	.01	1613B/Dioxins Furans	7	n	Water	970mL	yellow clear
6	E2200259-002	1R-SW-P18/9-024	.01	1613B/Dioxins Furans	7	n	Water	898mL	orange clear
7	E2200259-003	1R-SW-P18/9-025	.01	1613B/Dioxins Furans	7	n	Water	988mL	orange clear
8	E2200259-004	1R-SW-P18/9-026	.01	1613B/Dioxins Furans	7	n	Water	938mL	orange clear
9	E2200259-005	1R-SW-P18/9-027	.01	1613B/Dioxins Furans	7	n	Water	945mL	orange clear
10	E2200259-006	1R-SW-P18/9-028	.01	1613B/Dioxins Furans	7	n	Water	894mL	orange clear
11	E2200259-008	1R-SW-SW8-015	.01	1613B/Dioxins Furans	7	n	Water	877mL	yellow clear
12	E2200259-009	1R-SW-G2L-012	.01	1613B/Dioxins Furans	7	n	Water	885mL	yellow clear
13	E2200259-010	1R-PW-HCSA-001	.01	1613B/Dioxins Furans	7	n	Water	920mL	yellow cloudy
14	E2200259-011	1R-PW-HCSA-002	.01	1613B/Dioxins Furans	7	n	Water	914mL	yellow cloudy
15	E2200263-001	Effluent Tbl II+307 Comp	.02	1613B/Dioxins Furans	7	n	Water	982mL	clear
16	E2200264-001	Influent Tbl II+307 Comp	.02	1613B/Dioxins Furans	7	n	Water	943mL	black
17	E2200275-003	BP031522+1D Composite	.01	1613B/Dioxin Furans Unadjusted	7	n	Wastewater	1000.0mL	yellow cloudy
18	E2200281-001	March 2022 F039 Leachate	.01	1613B/Dioxins Furans	7	n	Aqueous Leachate	203mL	green
19	EQ2200137-01	MB		1613B/Dioxins Furans	7	n	Liquid	1000.0mL	
20	EQ2200137-02	LCS		1613B/Dioxins Furans	7	n	Liquid	1000mL	
21	EQ2200137-03	DLCS		1613B/Dioxins Furans	7	n	Liquid	1000.0mL	
22	K2203327-001	2378 TCDF and 2378 TCDD	.01	1613B/Dioxins Furans	7	n	Water	995mL	orange cloudy
23	K2203345-009	WC-EB01-03302022	.06	1613B/Dioxins Furans	7	n	Water	1008mL	clear

Spiking Solutions

Name:	8290/1613B Cleanup Working Standard	Inventory ID	222353	Logbook Ref:	tw 04/04/22 222353	Expires On:	08/04/2022
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E2200252-001	100.00µL	E2200253-001	100.00µL	E2200254-001	100.00µL	E2200258-001	100.00µL	E2200259-001	100.00µL	E2200259-002	100.00µL
E2200259-003	100.00µL	E2200259-004	100.00µL	E2200259-005	100.00µL	E2200259-006	100.00µL	E2200259-008	100.00µL	E2200259-009	100.00µL
E2200259-010	100.00µL	E2200259-011	100.00µL	E2200263-001	100.00µL	E2200264-001	100.00µL	E2200275-003	100.00µL	E2200281-001	100.00µL
EQ2200137-01	100.00µL	EQ2200137-01	100.00µL	EQ2200137-02	100.00µL	EQ2200137-02	100.00µL	EQ2200137-03	100.00µL	EQ2200137-03	100.00µL
K2203327-001	100.00µL	K2203345-009	100.00µL								

Name:	1613B Matrix Working Standard	Inventory ID	222412	Logbook Ref:	SN 4/6/22	Expires On:	10/03/2022
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EQ2200137-02	100.00µL	EQ2200137-02	100.00µL	EQ2200137-03	100.00µL	EQ2200137-03	100.00µL
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17 of 34

Printed 4/15/22 11:49

Preparation Information Benchsheet

Preparation Information Benchsheet

Prep Run#: 397783
Team: Semivoa GCMS/SHIVANI NAIDU

Prep WorkFlow: OrgExtAq(365)
Prep Method: Method Sep Funnel/Jar

Status: Prepped
Prep Date/Time: 4/7/22 15:59

Name: 1613B Labeled Working Standard			Inventory ID	222433	Logbook Ref: SN 4/7/22	Expires On: 06/18/2022					
E2200252-001	1,000.00µL	E2200253-001	1,000.00µL	E2200254-001	1,000.00µL	E2200258-001	1,000.00µL	E2200259-001	1,000.00µL	E2200259-002	1,000.00µL
E2200259-003	1,000.00µL	E2200259-004	1,000.00µL	E2200259-005	1,000.00µL	E2200259-006	1,000.00µL	E2200259-008	1,000.00µL	E2200259-009	1,000.00µL
E2200259-010	1,000.00µL	E2200259-011	1,000.00µL	E2200263-001	1,000.00µL	E2200264-001	1,000.00µL	E2200275-003	1,000.00µL	E2200281-001	1,000.00µL
EQ2200137-01	1,000.00µL	EQ2200137-01	1,000.00µL	EQ2200137-02	1,000.00µL	EQ2200137-02	1,000.00µL	EQ2200137-03	1,000.00µL	EQ2200137-03	1,000.00µL
K2203327-001	1,000.00µL	K2203345-009	1,000.00µL								

Preparation Materials

Carbon, High Purity	SN 3/14/2022 (222081)	Ethyl Acetate 99.9% Minimum	SN 12/16/21 (220923)	Glass Wool	tw 7/8/21 glass wool (218851)
Hexanes 95%	tw 12/30/21 (221138)	Dichloromethane (Methylene Chloride) 99.9% MeCl2	SN 3/24/2022 (222245)	Sodium Hydroxide 1N NaOH	tw 08/10/21 (218694)
Tridecane (n-Tridecane)	tridecane (218692)	Silica Gel	tw 3/3/22 silica gel (222195)	sulfuric acid	8/12/21 tw (218912)
Toluene 99.9% Minimum	SN 12/23/21 (221021)	ColorpHast pH-Indicator Strips	pH-Indicator strips (217936)	Chlorine Test Strips	chlorine test strips (206954)
Sodium Sulfate Anhydrous	tw 04/12/21 (217292)				
Reagent Grade Na2SO4					

Preparation Steps

Step:	Extraction	Step:	Acid Clean	Step:	Silica Gel Clean	Step:	Final Volume
Started:	4/7/22 15:59	Started:	4/11/22 10:00	Started:	4/11/22 11:00	Started:	4/11/22 14:00
Finished:	4/8/22 16:46	Finished:	4/11/22 11:00	Finished:	4/11/22 14:00	Finished:	4/11/22 17:00
By:	SHIVANI NAIDU	By:	SHIVANI NAIDU	By:	SHIVANI NAIDU	By:	SHIVANI NAIDU
Comments		Comments		Comments		Comments	

Comments:

Reviewed By: SN Date: 4/11/22

Chain of Custody

Relinquished By:	Date:	Extracts Examined
Received By:	Date:	Yes No



Analytical Results

ALS Environmental - Houston HRMS
10450 Stancliff Rd., Suite 210, Houston, TX 77099
Phone (713)266-1599 Fax (713)266-0130
www.alsglobal.com

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 203mL

Date Analyzed: 04/13/22 05:08
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537350

Data File Name: P537355
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	7.24JK		5.00	24.6	0.34	1.001	1
1,2,3,7,8-PeCDD	19.8JK		2.90	123	1.18	1.000	1
1,2,3,4,7,8-HxCDD	9.82JK		3.11	123	1.49	1.000	1
1,2,3,6,7,8-HxCDD	27.4JK		3.47	123	0.77	1.000	1
1,2,3,7,8,9-HxCDD	15.7J		3.29	123	1.26	1.007	1
1,2,3,4,6,7,8-HpCDD	282		9.35	123	0.99	1.000	1
OCDD	3590		12.5	246	0.89	1.000	1
2,3,7,8-TCDF	40.5K		5.12	24.6	0.49	1.001	1
1,2,3,7,8-PeCDF	491		9.74	123	1.64	1.001	1
2,3,4,7,8-PeCDF	364		9.32	123	1.46	1.000	1
1,2,3,4,7,8-HxCDF	4830		74.2	123	1.16	1.000	1
1,2,3,6,7,8-HxCDF	1530		82.3	123	1.18	1.000	1
1,2,3,7,8,9-HxCDF	102JK		87.9	123	1.51	1.001	1
2,3,4,6,7,8-HxCDF	393		76.8	123	1.27	1.000	1
1,2,3,4,6,7,8-HpCDF	38500		8.20	123	1.00	1.000	1
1,2,3,4,7,8,9-HpCDF	705		9.51	123	1.03	1.000	1
OCDF	58200		53.7	246	0.86	1.005	1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 203mL

Date Analyzed: 04/13/22 05:08
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537350

Data File Name: P537355
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	89.8		5.00	24.6	0.76		1
Total Penta-Dioxins	47.1J		2.90	123	1.51		1
Total Hexa-Dioxins	106J		3.29	123	1.06		1
Total Hepta-Dioxins	597		9.35	123	1.18		1
Total Tetra-Furans	2320		5.12	24.6	0.74		1
Total Penta-Furans	5040		3.09	123	1.53		1
Total Hexa-Furans	14500		80.2	123	1.13		1
Total Hepta-Furans	41700		8.83	123	1.00		1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: Percent
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 203mL

Date Analyzed: 04/13/22 05:08
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537350

Data File Name: P537355
ICAL Date: 01/18/22

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	1077.000	54		25-164	0.76	1.020
13C-1,2,3,7,8-PeCDD	2000	1253.337	63		25-181	1.64	1.177
13C-1,2,3,4,7,8-HxCDD	2000	1383.310	69		32-141	1.30	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1225.369	61		28-130	1.28	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1171.452	59		23-140	1.07	1.066
13C-OCDD	4000	1925.839	48		17-157	0.90	1.141
13C-2,3,7,8-TCDF	2000	1091.655	55		24-169	0.79	0.994
13C-1,2,3,7,8-PeCDF	2000	1318.940	66		24-185	1.54	1.136
13C-2,3,4,7,8-PeCDF	2000	1340.058	67		21-178	1.56	1.168
13C-1,2,3,4,7,8-HxCDF	2000	1303.030	65		26-152	0.50	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1088.667	54		26-123	0.51	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1336.963	67		29-147	0.52	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1273.150	64		28-136	0.51	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1084.276	54		28-143	0.44	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1192.803	60		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	493.062	62		35-197	NA	1.020

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: 04/01/22 00:00
Date Received: 04/05/22 14:16

Sample Name: March 2022 F039 Leachate
Lab Code: E2200281-001

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar

Toxicity Equivalency Quotient

Analyte Name	Result	DL	MRL	Dilution Factor	TEF	TEF - Adjusted Concentration
2,3,7,8-TCDD	7.24	5.00	24.6	1	1	7.24
1,2,3,7,8-PeCDD	19.8	2.90	123	1	1	19.8
1,2,3,4,7,8-HxCDD	9.82	3.11	123	1	0.1	0.982
1,2,3,6,7,8-HxCDD	27.4	3.47	123	1	0.1	2.74
1,2,3,7,8,9-HxCDD	15.7	3.29	123	1	0.1	1.57
1,2,3,4,6,7,8-HpCDD	282	9.35	123	1	0.01	2.82
OCDD	3590	12.5	246	1	0.0003	1.08
2,3,7,8-TCDF	40.5	5.12	24.6	1	0.1	4.05
1,2,3,7,8-PeCDF	491	9.74	123	1	0.03	14.7
2,3,4,7,8-PeCDF	364	9.32	123	1	0.3	109
1,2,3,4,7,8-HxCDF	4830	74.2	123	1	0.1	483
1,2,3,6,7,8-HxCDF	1530	82.3	123	1	0.1	153
1,2,3,7,8,9-HxCDF	102	87.9	123	1	0.1	10.2
2,3,4,6,7,8-HxCDF	393	76.8	123	1	0.1	39.3
1,2,3,4,6,7,8-HpCDF	38500	8.20	123	1	0.01	385
1,2,3,4,7,8,9-HpCDF	705	9.51	123	1	0.01	7.05
OCDF	58200	53.7	246	1	0.0003	17.5
Total TEQ						1260

2005 WHO TEFs, ND = 0

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: EQ2200137-01

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/11/22 19:00
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537325
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	ND	U	2.69	5.00			1
1,2,3,7,8-PeCDD	ND	U	1.01	25.0			1
1,2,3,4,7,8-HxCDD	ND	U	1.02	25.0			1
1,2,3,6,7,8-HxCDD	ND	U	1.05	25.0			1
1,2,3,7,8,9-HxCDD	ND	U	1.04	25.0			1
1,2,3,4,6,7,8-HpCDD	3.04JK		1.11	25.0	0.75	1.000	1
OCDD	18.3J		1.31	50.0	0.82	1.001	1
2,3,7,8-TCDF	ND	U	2.23	5.00			1
1,2,3,7,8-PeCDF	ND	U	1.04	25.0			1
2,3,4,7,8-PeCDF	ND	U	0.974	25.0			1
1,2,3,4,7,8-HxCDF	1.40J		0.461	25.0	1.09	1.000	1
1,2,3,6,7,8-HxCDF	ND	U	0.500	25.0			1
1,2,3,7,8,9-HxCDF	0.967J		0.577	25.0	1.42	1.000	1
2,3,4,6,7,8-HxCDF	ND	U	0.491	25.0			1
1,2,3,4,6,7,8-HpCDF	2.31JK		0.553	25.0	0.74	1.000	1
1,2,3,4,7,8,9-HpCDF	ND	U	0.676	25.0			1
OCDF	24.0JK		1.62	50.0	0.75	1.005	1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: EQ2200137-01

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/11/22 19:00
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537325
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	ND	U	2.69	5.00			1
Total Penta-Dioxins	ND	U	1.01	25.0			1
Total Hexa-Dioxins	ND	U	1.04	25.0			1
Total Hepta-Dioxins	ND	U	1.11	25.0			1
Total Tetra-Furans	ND	U	2.23	5.00			1
Total Penta-Furans	ND	U	1.01	25.0			1
Total Hexa-Furans	2.36J		0.505	25.0	1.09		1
Total Hepta-Furans	ND	U	0.611	25.0			1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: EQ2200137-01

Units: Percent
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/11/22 19:00
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537325
ICAL Date: 01/18/22

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	933.912	47		25-164	0.79	1.019
13C-1,2,3,7,8-PeCDD	2000	999.641	50		25-181	1.61	1.176
13C-1,2,3,4,7,8-HxCDD	2000	1081.782	54		32-141	1.30	0.992
13C-1,2,3,6,7,8-HxCDD	2000	1021.399	51		28-130	1.30	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	875.899	44		23-140	1.07	1.066
13C-OCDD	4000	1420.608	36		17-157	0.92	1.141
13C-2,3,7,8-TCDF	2000	994.281	50		24-169	0.80	0.994
13C-1,2,3,7,8-PeCDF	2000	1079.527	54		24-185	1.57	1.136
13C-2,3,4,7,8-PeCDF	2000	1108.493	55		21-178	1.61	1.167
13C-1,2,3,4,7,8-HxCDF	2000	1031.958	52		26-152	0.51	0.972
13C-1,2,3,6,7,8-HxCDF	2000	913.896	46		26-123	0.50	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1014.831	51		29-147	0.50	1.009
13C-2,3,4,6,7,8-HxCDF	2000	1041.445	52		28-136	0.51	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	806.700	40		28-143	0.43	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	845.577	42		26-138	0.43	1.079
37Cl-2,3,7,8-TCDD	800	439.012	55		35-197	NA	1.020



Accuracy & Precision

ALS Environmental - Houston HRMS
10450 Stancliff Rd., Suite 210, Houston TX 77099
Phone (713)266-1599 Fax (713)266-0130
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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Analyzed: 04/12/22
Date Extracted: 04/07/22

Duplicate Lab Control Sample Summary
Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar

Units: pg/L
Basis: NA
Analysis Lot: 760553

Lab Control Sample
EQ2200137-02

Duplicate Lab Control Sample
EQ2200137-03

Analyte Name	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
1,2,3,4,6,7,8-HpCDD	1070	1000	107	1060	1000	106	70-140	2	50
1,2,3,4,7,8-HxCDD	949	1000	95	966	1000	97	70-164	2	50
1,2,3,6,7,8-HxCDD	1000	1000	100	1010	1000	101	76-134	<1	50
1,2,3,7,8,9-HxCDD	1050	1000	105	1120	1000	112	64-162	7	50
1,2,3,7,8-PeCDD	1050	1000	105	1080	1000	108	70-142	3	50
2,3,7,8-TCDD	191	200	96	192	200	96	67-158	<1	50
OCDD	2130	2000	107	2150	2000	107	78-144	<1	50
1,2,3,4,6,7,8-HpCDF	1060	1000	106	1100	1000	110	82-122	3	50
1,2,3,4,7,8,9-HpCDF	1020	1000	102	1030	1000	103	78-138	1	50
1,2,3,4,7,8-HxCDF	879	1000	88	886	1000	89	72-134	<1	50
1,2,3,6,7,8-HxCDF	975	1000	97	1000	1000	100	84-130	3	50
1,2,3,7,8,9-HxCDF	921	1000	92	906	1000	91	78-130	2	50
1,2,3,7,8-PeCDF	939	1000	94	946	1000	95	80-134	<1	50
2,3,4,6,7,8-HxCDF	918	1000	92	896	1000	90	70-156	3	50
2,3,4,7,8-PeCDF	927	1000	93	941	1000	94	68-160	2	50
2,3,7,8-TCDF	181	200	90	187	200	93	75-158	3	50
OCDF	2180	2000	109	2200	2000	110	63-170	1	50

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Lab Control Sample
Lab Code: EQ2200137-02

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000mL

Date Analyzed: 04/12/22 23:14
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537337

Data File Name: P537348
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	191		2.73	5.00	0.79	1.001	1
1,2,3,7,8-PeCDD	1050		1.19	25.0	1.64	1.000	1
1,2,3,4,7,8-HxCDD	949		0.695	25.0	1.24	1.000	1
1,2,3,6,7,8-HxCDD	1000		0.723	25.0	1.29	1.000	1
1,2,3,7,8,9-HxCDD	1050		0.710	25.0	1.24	1.007	1
1,2,3,4,6,7,8-HpCDD	1070		0.957	25.0	1.05	1.000	1
OCDD	2130		2.83	50.0	0.91	1.000	1
2,3,7,8-TCDF	181		1.89	5.00	0.70	1.001	1
1,2,3,7,8-PeCDF	939		1.72	25.0	1.49	1.000	1
2,3,4,7,8-PeCDF	927		1.69	25.0	1.50	1.000	1
1,2,3,4,7,8-HxCDF	879		0.333	25.0	1.19	1.000	1
1,2,3,6,7,8-HxCDF	975		0.373	25.0	1.15	1.000	1
1,2,3,7,8,9-HxCDF	921		0.390	25.0	1.20	1.000	1
2,3,4,6,7,8-HxCDF	918		0.351	25.0	1.14	1.000	1
1,2,3,4,6,7,8-HpCDF	1060		1.25	25.0	1.03	1.000	1
1,2,3,4,7,8,9-HpCDF	1020		1.66	25.0	1.02	1.000	1
OCDF	2180		1.62	50.0	0.87	1.005	1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Sample Name: Lab Control Sample
Lab Code: EQ2200137-02

Service Request: E2200281
Date Collected: NA
Date Received: NA

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000mL

Data File Name: P537348
ICAL Date: 01/18/22

Date Analyzed: 04/12/22 23:14
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537337

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	191		2.73	5.00	0.79		1
Total Penta-Dioxins	1050		1.19	25.0	1.64		1
Total Hexa-Dioxins	3000		0.709	25.0	1.24		1
Total Hepta-Dioxins	1070		0.957	25.0	1.05		1
Total Tetra-Furans	181		1.89	5.00	0.70		1
Total Penta-Furans	1870		1.70	25.0	1.49		1
Total Hexa-Furans	3690		0.362	25.0	1.19		1
Total Hepta-Furans	1020		1.64	25.0	1.02		1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Lab Control Sample
Lab Code: EQ2200137-02

Units: Percent
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000mL

Date Analyzed: 04/12/22 23:14
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537337

Data File Name: P537348
ICAL Date: 01/18/22

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	917.360	46		25-164	0.79	1.020
13C-1,2,3,7,8-PeCDD	2000	996.464	50		25-181	1.61	1.176
13C-1,2,3,4,7,8-HxCDD	2000	1272.402	64		32-141	1.30	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1180.915	59		28-130	1.29	0.994
13C-1,2,3,4,6,7,8-HpCDD	2000	1161.011	58		23-140	1.07	1.066
13C-OCDD	4000	2189.843	55		17-157	0.90	1.141
13C-2,3,7,8-TCDF	2000	958.213	48		24-169	0.80	0.994
13C-1,2,3,7,8-PeCDF	2000	1059.730	53		24-185	1.60	1.136
13C-2,3,4,7,8-PeCDF	2000	1080.940	54		21-178	1.57	1.168
13C-1,2,3,4,7,8-HxCDF	2000	1222.993	61		26-152	0.51	0.972
13C-1,2,3,6,7,8-HxCDF	2000	1027.091	51		26-123	0.50	0.975
13C-1,2,3,7,8,9-HxCDF	2000	1262.404	63		29-147	0.49	1.009
13C-2,3,4,6,7,8-HxCDF	2000	1186.778	59		28-136	0.49	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1159.818	58		28-143	0.42	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1143.240	57		26-138	0.44	1.079
37Cl-2,3,7,8-TCDD	800	487.628	61		35-197	NA	1.020

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Duplicate Lab Control Sample
Lab Code: EQ2200137-03

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/12/22 04:01
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537336
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
2,3,7,8-TCDD	192		2.93	5.00	0.75	1.001	1
1,2,3,7,8-PeCDD	1080		0.691	25.0	1.59	1.000	1
1,2,3,4,7,8-HxCDD	966		1.08	25.0	1.22	1.000	1
1,2,3,6,7,8-HxCDD	1010		1.17	25.0	1.23	1.000	1
1,2,3,7,8,9-HxCDD	1120		1.13	25.0	1.24	1.007	1
1,2,3,4,6,7,8-HpCDD	1060		1.38	25.0	1.08	1.000	1
OCDD	2150		5.80	50.0	0.88	1.000	1
2,3,7,8-TCDF	187		1.55	5.00	0.73	1.001	1
1,2,3,7,8-PeCDF	946		2.09	25.0	1.51	1.001	1
2,3,4,7,8-PeCDF	941		1.89	25.0	1.45	1.000	1
1,2,3,4,7,8-HxCDF	886		0.649	25.0	1.21	1.000	1
1,2,3,6,7,8-HxCDF	1000		0.691	25.0	1.14	1.000	1
1,2,3,7,8,9-HxCDF	906		0.667	25.0	1.16	1.000	1
2,3,4,6,7,8-HxCDF	896		0.626	25.0	1.22	1.000	1
1,2,3,4,6,7,8-HpCDF	1100		1.34	25.0	1.01	1.000	1
1,2,3,4,7,8,9-HpCDF	1030		1.79	25.0	1.00	1.000	1
OCDF	2200		3.94	50.0	0.87	1.005	1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Duplicate Lab Control Sample
Lab Code: EQ2200137-03

Units: pg/L
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/12/22 04:01
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI
Blank File Name: P537325
Cal Ver. File Name: P537322

Data File Name: P537336
ICAL Date: 01/18/22

Native Analyte Results

Analyte Name	Result	Q	EDL	MRL	Ion Ratio	RRT	Dilution Factor
Total Tetra-Dioxins	192		2.93	5.00	0.75		1
Total Penta-Dioxins	1080		0.691	25.0	1.59		1
Total Hexa-Dioxins	3090		1.13	25.0	1.22		1
Total Hepta-Dioxins	1060		1.38	25.0	1.08		1
Total Tetra-Furans	187		1.55	5.00	0.73		1
Total Penta-Furans	1900		1.99	25.0	1.51		1
Total Hexa-Furans	3690		0.658	25.0	1.21		1
Total Hepta-Furans	2130		1.54	25.0	1.01		1

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: ALS Environmental - Holland (MI)
Project: 22040132
Sample Matrix: Aqueous Leachate

Service Request: E2200281
Date Collected: NA
Date Received: NA

Sample Name: Duplicate Lab Control Sample
Lab Code: EQ2200137-03

Units: Percent
Basis: NA

Polychlorinated Dibenzodioxins and Polychlorinated Dibenzofurans by HRGC/HRMS

Analysis Method: 1613B
Prep Method: Method Sep Funnel/Jar
Sample Amount: 1000.0mL

Date Analyzed: 04/12/22 04:01
Date Extracted: 4/7/22
Instrument Name: E-HRMS-07
GC Column: DB-5MSUI

Data File Name: P537336
ICAL Date: 01/18/22

Blank File Name: P537325
Cal Ver. File Name: P537322

Labeled Standard Results

Labeled Compounds	Spike Conc.(pg)	Conc. Found (pg)	% Rec	Q	Control Limits	Ion Ratio	RRT
13C-2,3,7,8-TCDD	2000	944.679	47		25-164	0.78	1.019
13C-1,2,3,7,8-PeCDD	2000	1076.898	54		25-181	1.59	1.176
13C-1,2,3,4,7,8-HxCDD	2000	1236.496	62		32-141	1.34	0.991
13C-1,2,3,6,7,8-HxCDD	2000	1099.241	55		28-130	1.34	0.993
13C-1,2,3,4,6,7,8-HpCDD	2000	1167.860	58		23-140	1.08	1.065
13C-OCDD	4000	2216.067	55		17-157	0.90	1.141
13C-2,3,7,8-TCDF	2000	981.987	49		24-169	0.79	0.994
13C-1,2,3,7,8-PeCDF	2000	1142.601	57		24-185	1.60	1.136
13C-2,3,4,7,8-PeCDF	2000	1199.190	60		21-178	1.59	1.167
13C-1,2,3,4,7,8-HxCDF	2000	1130.538	57		26-152	0.50	0.972
13C-1,2,3,6,7,8-HxCDF	2000	983.871	49		26-123	0.50	0.974
13C-1,2,3,7,8,9-HxCDF	2000	1299.589	65		29-147	0.49	1.008
13C-2,3,4,6,7,8-HxCDF	2000	1171.974	59		28-136	0.50	0.988
13C-1,2,3,4,6,7,8-HpCDF	2000	1187.869	59		28-143	0.43	1.041
13C-1,2,3,4,7,8,9-HpCDF	2000	1142.121	57		26-138	0.44	1.079
37Cl-2,3,7,8-TCDD	800	503.315	63		35-197	NA	1.020

WASTE PROFILES



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile # 6440222513		Expiration Date 2/1/2023	
I. Decision Request:		<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change	
Disposal Facility: 6440 - Detroit Industrial Well			
Generator Name: TIMET CORPORATION			
Generator Site Address: 100 TITANIUM WAY			
City: TORONTO		County: <input type="text"/>	State: OH
		Zip: <input type="text"/>	
Name of Waste: SPENT HF/NITRIC ACID SOLUTIONS DEEP WELL			
Estimated Annual Volume: 600,000 Gallons			

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature: 

Date: 3/1/2022

Name (Printed): Stephen Brown

III. Facility Decision:

☒ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: 

Date: 3/1/2022

Name (Printed): David Frost

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr. Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # _____

GENERATOR INFORMATION

Name: Timet Corporation USEPA ID # OHD0098435134
Facility Address: 100 Titanium Way SIC/NAICS Code: 3356/ 3357, 331491
City: Toronto State: OH Zip Code: 43964
Contact: Patrick Maple Title: EHS Phone: (419) 537 5672 Fax: (419) 5375692

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: Heritage Thermal Services
Address: 1250 Saint George St.
City: East Liverpool State: OH Zip Code: 43920
Attention: Patty Vantillburg Title: Billing Phone: (419) 395-7337 Fax: () _____

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Spent HF/ Nitric Acid Solutions Deep Well

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

HF/ Nitric Pickling Lines**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes: D002, D007, D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other <input type="text"/>	
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pH: ☐ NA ☒ < 2 ☐ 2 — 4 ☐ 4 — 6 ☐ 6 — 8 ☐ 8-10 ☐ 10 — 12.5 ☐ >12.5Liquid Flash Point: ☐ <73°F ☐ 73—100°F ☐ 101—140°F ☐ 141—200°F ☒ >200°F ☐ None ☐ Closed Cup ☐ Open CupVOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <=> 1= 0.1%)

CONSTITUENT	MAX MIN			CONSTITUENT	MAX MIN		
Dihydrogen hexafluorophosphate (H2TlF6)	14	29	%	Water	66	86	%
Nitric Acid	0	10	%				%
Hydrofluoric Acid	0	3	%				%

ID: ①

Metals: Indicate if this waste contains any of the following metals
If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge

☐ TCLP ☐ TOTAL

Not Present		Concentration	Not Present		Concentration	Arsenic (As)		D004	☒ <5	ppm	ppm
PCB	☒	ppm	Aromatic Amine	☒	___ppm	Barium (Ba)		D005	☒ <100	ppm	ppm
Dioxins	☒	ppm	Pesticides	☒	___ppm	Cadmium (Cd)		D006	☒ <1	ppm	ppm
Cyanides Reactive	☒	ppm	Rodenticides	☒	___ppm	Chromium (Cr)		D007	☒ <5	ppm	107 ppm
Cyanides Total	☒	ppm	Fungicides	☒	___ppm	Lead (Pb)		D008	☒ <5	ppm	5 ppm
Sulfides Reactive	☒	ppm				Mercury (Hg)		D009	☒ <0.2	ppm	ppm
Sulfides Total	☒	ppm				Selenium (Se)		D010	☒ <1	ppm	ppm
						Silver (Ag)		D011	☒ <5	ppm	ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHA P Wastes (Benzene, etc.) ☐ Biological ☒ None Apply.

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No

2. Reportable Quantity (RQ) in pounds DDG7, DDG8 @ 10#

3. DOT Shipping Name Waste Corrosive Liquid, Acidic, Inorganic, N.O.S.

Hazard Class 8 UN/NA 3264

PG II ERG 154 Hazardous Constituents for "n.o.s." contains Hydrofluoric and nitric acid Hydrofluoric acid, nitric acid

4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes

5. Number of Units to Ship Now 2/week 6. Anticipated Volume / Units per Year: 120 loads or ☐ One Time

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Republic Industrial & Energy Solutions not to correct any inconsistencies. Any corrections Republic Industrial & Energy Solutions makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Patrick Maple

Title: Environmental Engineer

Generator's Signature:

Date: 2-1-22

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS:
waste described in the above referenced manifest.

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Republic Industrial & Energy Solutions representative.

1. _____ 2. _____

SAMPLING METHOD

COLLECTION POINT

3

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. _____ Preservation: Yes ☐ No ☐

5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

TD: 0



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222513

Expiration Date
2/1/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: TIMET CORPORATION

Generator Site Address: 100 TITANIUM WAY

City: TORONTO

County:

State: OH

Zip:

Name of Waste: SPENT HF/NITRIC ACID SOLUTIONS DEEP WELL

Estimated Annual Volume: 600,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic?

☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee?

☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature:

Date: 3/1/2022

Name (Printed): Stephen Brown

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 3/1/2022

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile #

6440222513

GENERATOR INFORMATION

Name: Timet Corporation USEPA ID # OHD0098435134
Facility Address: 100 Titanium Way SIC/NAICS Code: 3356/ 3357, 331491
City: Toronto State: OH Zip Code: 43964
Contact: Patrick Maple Title: EHS Phone: (734) 537 5672 Fax: (734) 5375692

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: Heritage Thermal Services
Address: 1250 Saint George St.
City: East Liverpool State: OH Zip Code: 43920
Attention: Patty Vantillburg Title: Billing Phone: (614) 385-7337 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Spent HF/ Nitric Acid Solutions Deep Well

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

HF/ Nitric Pickling Lines**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes: D002, D007, D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other <input type="text"/>	
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pH: ☐ NA ☒ < 2 ☐ 2 — 4 ☐ 4 — 6 ☐ 6 — 8 ☐ 8-10 ☐ 10 — 12.5 ☐ >12.5Liquid Flash Point: ☐ <73°F ☐ 73—100°F ☐ 101—140°F ☐ 141—200°F ☒ >200°F ☐ None ☐ Closed Cup ☐ Open CupVOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

Dihydrogen hexafluorotitanate (H2TIF6)	14	29	%	Water	66	86	%
Nitric Acid	0	10	%				%
Hydrofluoric Acid	0	3	%				%

ID: 10

Metals: Indicate if this waste contains any of the following metals

If Generator Knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge

☐ TCLP ☐ TOTAL

	Not Present	Concentration		Not Present	Concentration				
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/> <5	ppm
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	<input checked="" type="checkbox"/> <100	ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input checked="" type="checkbox"/> <1	ppm
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm 107
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input type="checkbox"/> <5	ppm 5
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/> <0.2	ppm
						Selenium (Se)	D010	<input checked="" type="checkbox"/> <1	ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/> <5	ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
 2. Reportable Quantity (RQ) in pounds D007, D008 @ 10x
 3. DOT Shipping Name Waste Corrosive Liquid, Acidic, Inorganic, N.O.S. Hazard Class 8 UN/NA 3264
 PG II ERG 154 Hazardous Constituents for "n.o.s." contains Hydrofluoric and nitric acid Hydrofluoric acid, nitric acid
 4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 2/week 6. Anticipated Volume / Units per Year: 120 loads or ☐ One Time
 6. Special Handling Requirements including PPE:

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Republic Industrial & Energy Solutions not to correct any inconsistencies. Any corrections Republic Industrial & Energy Solutions makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Patrick Maple

Title: Environmental Engineer

Generator's Signature: [Signature]

Date: 2-1-22

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Republic Industrial & Energy Solutions representative.

1. 2

SAMPLING METHOD

COLLECTION POINT

3

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. Preservation: Yes ☐ No ☐

5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

ID: ①

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	2/10/22
Receiving ID#	Spent HF/HNO ₃ Sol. Deep Well
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Timet Corp
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Client

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	1.03
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.13
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	69.1
Conductivity	J.H. 0.355 >1000ms
% Solids	12.83
Turbidity	Yes (No)
Color	Blue-Green
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.H.

(See Attached Lab Notes)

Lab ID: 01

Receiving & Departure Approval Form

REC04-01 - Page 1

Revision 6
1/20/20



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222474

Expiration Date
10/2/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: NETWORK MATERIALS & RESOURCES INC.

Generator Site Address: 31 GOLDEN GATE COURT

City: TORONTO

County:

State: ON

Zip:

Name of Waste: HAZARDOUS WASTEWATER

Estimated Annual Volume: 156,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s):

☐ Landfill

☐ Solidification

☐ Bioremediation

☒ Deep Well

☐ Transfer Facility

Problematic Special Waste according to Republic?

☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee?

☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature:

Date: 2/28/2022

Name (Printed): Stephen Brown

III. Facility Decision:

☒ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee:

Date: 2/28/2022

Name (Printed): John Frost

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILEProfile # 6440222474**GENERATOR INFORMATION**

Name Network Materials & Resources Inc. USEPA ID # MIR000016055
Facility Address 31 Golden Gate Court SIC/NAICS Code. State Code NAICS 541620, 562210
City Toronto State ON Zip Code M1P 3A4
Contact Mike Aston Title General Manager Phone (t i a) 299-0116 Fax (t i a) 299-9649

BILLING INFORMATION☐ SAME AS ABOVE

Company Name Network Environmental Services Inc.
Address 31 Golden Gate Court
City Toronto State ON Zip Code M1P 3A4
Attention Giles Goulding Title Controller Phone (t i a) 299-0116 Fax (t i a) 299-9649

WASTE INFORMATION

Name of Waste/Common Chemical Name.
Hazardous Wastewater

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~Bulked at TSD, waste water from various metals processes containing heavy metals~~

USEPA / STATE WASTE IDENTIFICATION

1. This waste is considered to be ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes F006, D004, D005, D006, D007, D008, D009, D010, D011

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other <u>1.02</u>	
--	--	---	---	--

pH: ☐ NA ☐ < 2 ☒ 2 — 4 ☐ 4 — 6 ☐ 6 — 8 ☐ 8-10 ☐ 10 — 12.5 ☐ > 12.5Liquid Flash Point: ☐ < 73°F ☐ 73 — 100°F ☐ 101 — 140°F ☐ 141 — 200°F ☐ > 200°F ☒ None ☐ Closed Cup ☐ Open CupVOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <= 1= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

water	99	95	%	Solids	1	0	%
chrome	2	0	%	ZINC	3	0	%
iron	3	0	%				%

Metals Indicate if this waste contains any of the following metals

If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge☐ TCLP ☒ TOTAL

	Not Present	Concentration		Not Present	Concentration								
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	<input type="checkbox"/> <5	ppm	>5	ppm		
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	<input type="checkbox"/> <100	ppm	>100	ppm		
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input type="checkbox"/> <1	ppm	>1	ppm		
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm	>5	ppm		
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input type="checkbox"/> <5	ppm	>5	ppm		
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input type="checkbox"/> <0.2	ppm	>0.2	ppm		
						Selenium (Se)	D010	<input type="checkbox"/> <1	ppm	>1	ppm		
						Silver (Ag)	D011	<input type="checkbox"/> <5	ppm	>5	ppm		

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

☒ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☒ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
2. Reportable Quantity (RQ) in pounds _____
3. DOT Shipping Name Waste Environmentally Hazardous Substance, Liquid, nos Hazard Class 9 UN/NA UN3082
- PG III ERG 171 Hazardous Constituents for "n.o.s." F006, Chrome
4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☒ Drums ☒ Totes
5. Number of Units to Ship Now 30,000 G 6. Anticipated Volume / Units per Year: 156,000 G or ☐ One Time
6. Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Mike AstonTitle: General ManagerGenerator's Signature: Mike AstonDate: 10-2-2022

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. grab 2. tank
- SAMPLING METHOD COLLECTION POINT
3. Richard Goulding, Tech sales, Network Env.
- SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No NMRCR01 Preservation: Yes ☐ No ☒

6. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
<u>Mike Aston</u>	<u>10-2-2022</u>	<u>0:55</u>			



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222474

Expiration Date
10/2/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: NETWORK MATERIALS & RESOURCES INC.

Generator Site Address: 31 GOLDEN GATE COURT

City: TORONTO

County:

State: ON

Zip:

Name of Waste: HAZARDOUS WASTEWATER

Estimated Annual Volume: 156,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature:

Date: 2/28/2022

Name (Printed): Stephen Brown

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 2/28/2022

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr. Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILEProfile # 6440222474**GENERATOR INFORMATION**

Name Network Materials & Resources Inc. USEPA ID # MIR000016055
Facility Address 31 Golden Gate Court SIC/NAICS Code NAICS 541620, 562210
City Toronto State ON Zip Code M1P 3A4
Contact Mike Aston Title General Manager Phone (416) 299-0116 Fax (416) 299-9649

BILLING INFORMATION☐ SAME AS ABOVE

Company Name Network Environmental Services Inc.
Address 31 Golden Gate Court
City Toronto State ON Zip Code M1P 3A4
Attention Giles Goulding Title Controller Phone (416) 299-0116 Fax (416) 299-9649

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Hazardous Wastewater

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

Bulked at TSD, waste water from various metals processes containing heavy metals**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes F006, D004, D005, D006, D007, D008, D009, D010, D011

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other <u>1.02</u>
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pH: ☐ NA ☐ < 2 ☐ 2 — 4 ☐ 4 — 6 ☐ 6 — 8 ☐ 8-10 ☐ 10 — 12.5 ☐ > 12.5Liquid Flash Point: ☐ <73°F ☐ 73—100°F ☐ 101—140°F ☐ 141—200°F ☐ >200°F ☒ None ☐ Closed Cup ☐ Open CupVOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <>1= 0.1%)

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
water	99	95	Solids	1	0
chrome	2	0	ZINC	3	0
iron	3	0			

Metals Indicate if this waste contains any of the following metals

If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge☐ TCLP ☐ TOTAL

Not Present	Concentration	Not Present	Concentration						
PCB	<input checked="" type="checkbox"/> ppm	Aromatic Amine	<input checked="" type="checkbox"/> ppm	Arsenic (As)	D004	<input type="checkbox"/> <5	ppm	>5	ppm
Dioxins	<input checked="" type="checkbox"/> ppm	Pesticides	<input checked="" type="checkbox"/> ppm	Barium (Ba)	D005	<input type="checkbox"/> <100	ppm	>100	ppm
Cyanides Reactive	<input checked="" type="checkbox"/> ppm	Rodenticides	<input checked="" type="checkbox"/> ppm	Cadmium (Cd)	D006	<input type="checkbox"/> <1	ppm	>1	ppm
Cyanides Total	<input checked="" type="checkbox"/> ppm	Fungicides	<input checked="" type="checkbox"/> ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm	>5	ppm
Sulfides Reactive	<input checked="" type="checkbox"/> ppm			Lead (Pb)	D008	<input type="checkbox"/> <5	ppm	>5	ppm
Sulfides Total	<input checked="" type="checkbox"/> ppm			Mercury (Hg)	D009	<input type="checkbox"/> <0.2	ppm	>0.2	ppm
				Selenium (Se)	D010	<input type="checkbox"/> <1	ppm	>1	ppm
				Silver (Ag)	D011	<input type="checkbox"/> <5	ppm	>5	ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)?

☒ Yes ☐ No

2. Reportable Quantity (RQ) in pounds _____

3. DOT Shipping Name Waste Environmentally Hazardous Substance, Liquid, nosHazard Class 9 UN/NA UN3082PG III ERG 171 Hazardous Constituents for "n.o.s." F006, Chrome4. Method of Shipment. ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☒ Drums ☒ Totes5. Number of Units to Ship Now 30,000 G 6. Anticipated Volume / Units per Year: 156,000 G or ☐ One Time

6. Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Mike AstonTitle: General ManagerGenerator's Signature: Mike AstonDate: 10-2-2022

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. grab

2. tank

SAMPLING METHOD

COLLECTION POINT

3. Richard Goulding, Tech sales, Network Env.

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. NMRCR01Preservation: Yes ☐ No ☒

6. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
<u>Mike Aston</u>	<u>10-2-2022</u>	<u>9:55</u>			

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174, Telephone 734 946 1000, Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # _____

GENERATOR INFORMATION

Name: Network Materials & Resources Inc USEPA ID # MIR000016055
Facility Address: 31 Golden Gate Court SIC/NAICS Code: State Code: NAICS 541620, 562210
City: Toronto State: ON Zip Code: M1P 3A4
Contact: Mike Aston Title: General Manager Phone: (416) 299-0116 Fax: (416) 299-9649

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: Network Environmental Services Inc.
Address: 31 Golden Gate Court
City: Toronto State: ON Zip Code: M1P 3A4
Attention: Giles Goulding Title: Controller Phone: (416) 299-0116 Fax: (416) 299-9649

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Hazardous Waste Water

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

bulked at TSD, waste water from various metals processes containing heavy metals**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☐ No (PCBs, etc.)
3. List ALL Applicable Waste Codes: F006, D004, D005, D006, D007, D008, D009, D010, D011

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	Layers: <input type="checkbox"/> Multi-layered <input type="checkbox"/> Bi-layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.9 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other: <u>1.02</u>
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pH: ☐ NA ☐ < 2 ☒ 2 — 4 ☒ 4 — 6 ☒ 6 — 8 ☐ 8 — 10 ☐ 10 — 12.5 ☐ > 12.5Liquid Flash Point: ☐ < 73°F ☐ 73 — 100°F ☐ 101 — 140°F ☐ 141 — 200°F ☐ > 200°F ☒ None ☐ Closed Cup ☐ Open CupVOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <=> 1= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

Water	99	97	%	Solids	1	0	%
Chrom	2	0	%	Zinc	3	0	%
Iron	3	0	%				%

Metals: Indicate if this waste contains any of the following metals

If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge☐ TCLP ☐ TOTAL

	Not Present	Concentration		Not Present	Concentration								
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	<input type="checkbox"/> <5	ppm	>5	ppm		
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	<input type="checkbox"/> <100	ppm	>100	ppm		
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input type="checkbox"/> <1	ppm	>1	ppm		
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm	>5	ppm		
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input type="checkbox"/> <5	ppm	>5	ppm		
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input type="checkbox"/> <0.2	ppm	>0.2	ppm		
						Selenium (Se)	D010	<input type="checkbox"/> <1	ppm	>1	ppm		
						Silver (Ag)	D011	<input type="checkbox"/> <5	ppm	>5	ppm		

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
2. Reportable Quantity (RQ) in pounds _____
3. DOT Shipping Name Environmentally Hazardous Substance, Liquid, nos Hazard Class 9 UN/NA UN3082
PG III ERG 171 Hazardous Constituents for "n.o.s." F006, chrome
4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☒ Drums ☒ Totes
5. Number of Units to Ship Now 30,000 G 6. Anticipated Volume / Units per Year: 156,000 G or ☐ One Time
6. Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Mike AstonTitle: General ManagerGenerator's Signature: Mike AstonDate: 10-2-2022

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. grab 2. tank
SAMPLING METHOD COLLECTION POINT

3. Richard Goulding, Tech Sales, Network Env.

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. NMRCR01 Preservation: Yes ☐ No ☒

6. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>Mike Aston</u>	<u>10-2-2022</u>	<u>9:55</u>			

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	2-13-22
Receiving ID#	Haz waste water
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Network Materials & Resources Inc.
Client	
Transporter	
Time in	
Time out	
Received by	DD
Sampled by	Clint

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	NA
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	4.30
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Le
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.9
Conductivity	4.73mS
% Solids	0.462
Turbidity	Yes No
Color	orange
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	DD



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222514

Expiration Date
2/1/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: TIMET CORPORATION

Generator Site Address: 100 TITANIUM WAY

City: TORONTO

County:

State: OH

Zip:

Name of Waste: SPENT HF ACID SOLUTIONS DEEP WELL

Estimated Annual Volume: 600,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature:

Date: 3/1/2022

Name (Printed): Stephen Brown

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee:

Date: 3/1/2022

Name (Printed): JOHN FROST



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222514

Expiration Date
2/1/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: TIMET CORPORATION

Generator Site Address: 100 TITANIUM WAY

City: TORONTO

County:

State: OH

Zip:

Name of Waste: SPENT HF ACID SOLUTIONS DEEP WELL

Estimated Annual Volume: 600,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee?

☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature:

Date: 3/1/2022

Name (Printed): Stephen Brown

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 3/1/2022

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr. Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # 6440222514

GENERATOR INFORMATION

Name: Timet Corporation USEPA ID # OHD0098435134
Facility Address: 100 Titanium Way SIC/NAICS Code: 3356/3357, 331491
City: Toronto State: OH Zip Code: 43964
Contact: Patrick Maple Title: EHS Phone: (734) 537 5672 Fax: (734) 5375692

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: Heritage Thermal Services
Address: 1250 Saint George St.
City: East Liverpool State: OH Zip Code: 43920
Attention: Patty Vantillburg Title: Billing Phone: (614) 385-7337 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:
Spent HF Acid Solutions Deep Well

Process Generating Waste (Please be specific, incomplete information may delay the approval process):
Descale pickle line

USEPA / STATE WASTE IDENTIFICATION

1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes: D002, D007, D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4 Exact / Other <input type="text"/>
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pH: ☐ NA ☒ < 2 ☐ 2 - 4 ☐ 4 - 6 ☐ 6 - 8 ☐ 8 - 10 ☐ 10 - 12.5 ☐ > 12.5

Liquid Flash Point: ☐ <73°F ☐ 73-100°F ☐ 101-140°F ☐ 141-200°F ☒ >200°F ☐ None ☐ Closed Cup ☐ Open Cup

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

Plating Scale	0	50	%	Hydrofluoric Acid	0	1	%
Spent HF acid solution containing:	50	100	%	Water	86	86	%
Hi-hydrogen hexafluorotitanate (H ₂ TiF ₆)	14	29	%				%

ID: 2

Metals: Indicate if this waste contains any of the following metals

If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge

☐ TCLP ☐ TOTAL

	Not Present	Concentration		Not Present	Concentration				
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/> <5	ppm ppm
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	<input checked="" type="checkbox"/> <100	ppm ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input checked="" type="checkbox"/> <1	ppm ppm
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm 10.7 ppm
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input type="checkbox"/> <5	ppm 5.0 ppm
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/> <0.2	ppm ppm
						Selenium (Se)	D010	<input checked="" type="checkbox"/> <1	ppm ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/> <5	ppm ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
 2. Reportable Quantity (RQ) in pounds D007, D008 @ 10s
 3. DOT Shipping Name Waste Corrosive Liquid, Acidic, Inorganic, N.O.S. Hazard Class 8 UN/NA 3264
 PG II ERG 154 Hazardous Constituents for "n.o.s." contains Hydrofluoric acid HF-Hydrofluoric acid, chrome
 4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 2/week 6. Anticipated Volume / Units per Year: 120 loads or ☐ One Time.
 6. Special Handling Requirements including PPE:

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Republic Industrial & Energy Solutions not to correct any inconsistencies. Any corrections Republic Industrial & Energy Solutions makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Patrick Maple

Title: Environmental Engineer

Generator's Signature: [Signature]

Date: 2-1-22

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Republic Industrial & Energy Solutions representative.

1. _____	2. _____	
SAMPLING METHOD	COLLECTION POINT	
3. _____	SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER	
4. Sample No. _____	Preservation: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.		
Relinquished by: (Signature)	Date	Time
Received by: (Signature)	Date	Time

ID: (2)

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr. Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # 6440222514

GENERATOR INFORMATION

Name: Timet Corporation USEPA ID # OHD0098435134
Facility Address: 100 Titanium Way SIC/NAICS Code: 3356/3357, 331491
City: Toronto State: OH Zip Code: 43964
Contact: Patrick Maple Title: EHS Phone: (734) 537 5672 Fax: (734) 5375692

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: Heritage Thermal Services
Address: 1250 Saint George St.
City: East Liverpool State: OH Zip Code: 43920
Attention: Patty Vantilburg Title: Billing Phone: (614) 385-7337 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:
Spent HF Acid Solutions Deep Well

Process Generating Waste (Please be specific, incomplete information may delay the approval process):
Descale pickle line

USEPA / STATE WASTE IDENTIFICATION

1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes: D002, D007, D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other
--	---	---	---

pH: ☐ NA ☒ < 2 ☐ 2 — 4 ☐ 4 — 6 ☐ 6 — 8 ☐ 8-10 ☐ 10 — 12.5 ☐ > 12.5

Liquid Flash Point: ☐ <73°F ☐ 73—100°F ☐ 101—140°F ☐ 141—200°F ☒ >200°F ☐ None ☐ Closed Cup ☐ Open Cup

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <=> 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

Plating Scale	0	50	%	Hydrofluoric Acid	0	1	%
Spent HF acid solution containing:	50	100	%	Water	66	86	%
Hihydrogen hexafluorotilanate (H2TIF6)	14	29	%				%

ID: (2)

Metals: Indicate if this waste contains any of the following metals

If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge

☐ TCLP ☒ TOTAL

Not Concentration		Not Concentration					
Present	ppm	Present	ppm				
PCB	<input checked="" type="checkbox"/>	Aromatic Amine	<input checked="" type="checkbox"/>		Arsenic (As)	D004	<input checked="" type="checkbox"/> <5 ppm
Dioxins	<input checked="" type="checkbox"/>	Pesticides	<input checked="" type="checkbox"/>		Barium (Ba)	D005	<input checked="" type="checkbox"/> <100 ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	Rodenticides	<input checked="" type="checkbox"/>		Cadmium (Cd)	D006	<input checked="" type="checkbox"/> <1 ppm
Cyanides Total	<input checked="" type="checkbox"/>	Fungicides	<input checked="" type="checkbox"/>		Chromium (Cr)	D007	<input type="checkbox"/> <5 ppm 10.7 ppm
Sulfides Reactive	<input checked="" type="checkbox"/>				Lead (Pb)	D008	<input type="checkbox"/> <5 ppm 5.0 ppm
Sulfides Total	<input checked="" type="checkbox"/>				Mercury (Hg)	D009	<input checked="" type="checkbox"/> <0.2 ppm
					Selenium (Se)	D010	<input checked="" type="checkbox"/> <1 ppm
					Silver (Ag)	D011	<input checked="" type="checkbox"/> <5 ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAPE Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

- Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
- Reportable Quantity (RQ) in pounds D007, D008 @ 10#
- DOT Shipping Name Waste Corrosive Liquid, Acidic, Inorganic, N.O.S. Hazard Class 8 UN/NA 3264
PG II ERG 154 Hazardous Constituents for "n.o.s." contains Hydrofluoric acid HF-Hydrofluoric acid, chrome
- Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
- Number of Units to Ship Now 2/week
- Anticipated Volume / Units per Year: 120 loads or ☐ One Time
- Special Handling Requirements including PPE:

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Republic Industrial & Energy Solutions not to correct any inconsistencies. Any corrections Republic Industrial & Energy Solutions makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Patrick Maple

Title: Environmental Engineer

Generator's Signature: [Signature]

Date: 2-1-22

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Republic Industrial & Energy Solutions representative.

1. _____ 2. _____

SAMPLING METHOD

COLLECTION POINT

3. _____

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. _____ Preservation: Yes ☐ No ☐

5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

10.2

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	2/10/22
Receiving ID#	SPENT HF Acid Solutions Deep Well
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Timet Corp
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Client

LAB INFORMATION	
Compatible? (RT#)	YES Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	1.31
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.09
Physical Description	1.900
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	67.8
Conductivity	81.8 ms
% Solids	10.98
Turbidity	(Yes) No
Color	J.H. - Br Green
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	

(See attached Lab Notes)
Lab ID (2)



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222596

Expiration Date
2/14/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: CENTRAL MOTOR WHEEL OF AMERICA

Generator Site Address: 125 WHEAT DR.

City: PARIS

County:

State: KY

Zip:

Name of Waste: F005 WASTE WATER

Estimated Annual Volume: 75,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee?

☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature: 

Date: 3/3/2022

Name (Printed): KEITH DIAMANTI

III. Facility Decision:

☒ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: 

Date: 

3-23-2022

Name (Printed): JOHN FROST



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440222596

Expiration Date
2/14/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: CENTRAL MOTOR WHEEL OF AMERICA

Generator Site Address: 125 WHEAT DR.

City: PARIS

County:

State: KY

Zip:

Name of Waste: F005 WASTE WATER

Estimated Annual Volume: 75,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature:

Date: 3/3/2022

Name (Printed): KEITH DIAMANTI

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee:

Date: 3/3/2022

Name (Printed):

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr. Romulus, MI 48174. Telephone 734 948 1000. Fax 734 948 1002

GENERATOR WASTE PROFILE

Profile # 6440222596

GENERATOR INFORMATIONName: Central Motor Wheel of AmericaUSEPA ID # KYD175598267Facility Address: 125 Wheat Dr.

SIG/NAICS Code: State Code:

City: ParisState: KYZip Code: 40361Contact: Adam CookTitle: Sr. EHSPhone: (859) 294-5155

Fax: ()

BILLING INFORMATION☒ SAME AS ABOVECompany Name: Midwest Environmental Services, Inc.Address: 27 Kendall CtCity: HamiltonState: OHZip Code: 45015Attention: Jennifer Back

Title:

Phone: (513) 681-9990

Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:

F005 Waste WaterProcess Generating Waste (Please be specific, incomplete information may delay the approval process):
Water from paint booth under curtain. Paint gun line is flushed with MEK for cleaning between colors.**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be: ☐ Non-Hazardous ☒ Industrial Waste ☐ Hazardous Waste
2. Registered by (SC) (EPA) (RCRA) (DOT) (None)
3. UN/NAI Hazardous Waste Code: F005

PHYSICAL AND CHEMICAL CHARACTERISTICS OF WASTE

Color	Specific Gravity	Layers	Specific Gravity
<input type="checkbox"/> White/Clear	<input type="checkbox"/> 0.4-0.5	<input type="checkbox"/> Multilayered	<input type="checkbox"/> 0.5-0.9
<input type="checkbox"/> Yellow/Orange	<input type="checkbox"/> 0.6-0.9	<input type="checkbox"/> Blended	<input type="checkbox"/> 1.0-1.2
<input type="checkbox"/> Red/Brown	<input type="checkbox"/> 1.0-1.2	<input type="checkbox"/> Single Phase	<input type="checkbox"/> 1.3-1.4
<input type="checkbox"/> Black	<input type="checkbox"/> 1.4-1.5		End / Other: <u>None</u>

Boiling Point (°C): 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000Flash Point (°C): 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000Volatility (g/L): 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000Toxicity (mg/kg): 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000Density (g/cm³): 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 6.0 6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 7.0 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 10.0 10.1 10.2 10.3 10.4 10.5 10.6 10.7 10.8 10.9 11.0 11.1 11.2 11.3 11.4 11.5 11.6 11.7 11.8 11.9 12.0 12.1 12.2 12.3 12.4 12.5 12.6 12.7 12.8 12.9 13.0 13.1 13.2 13.3 13.4 13.5 13.6 13.7 13.8 13.9 14.0 14.1 14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 15.0 15.1 15.2 15.3 15.4 15.5 15.6 15.7 15.8 15.9 16.0 16.1 16.2 16.3 16.4 16.5 16.6 16.7 16.8 16.9 17.0 17.1 17.2 17.3 17.4 17.5 17.6 17.7 17.8 17.9 18.0 18.1 18.2 18.3 18.4 18.5 18.6 18.7 18.8 18.9 19.0 19.1 19.2 19.3 19.4 19.5 19.6 19.7 19.8 19.9 20.0 20.1 20.2 20.3 20.4 20.5 20.6 20.7 20.8 20.9 21.0 21.1 21.2 21.3 21.4 21.5 21.6 21.7 21.8 21.9 22.0 22.1 22.2 22.3 22.4 22.5 22.6 22.7 22.8 22.9 23.0 23.1 23.2 23.3 23.4 23.5 23.6 23.7 23.8 23.9 24.0 24.1 24.2 24.3 24.4 24.5 24.6 24.7 24.8 24.9 25.0 25.1 25.2 25.3 25.4 25.5 25.6 25.7 25.8 25.9 26.0 26.1 26.2 26.3 26.4 26.5 26.6 26.7 26.8 26.9 27.0 27.1 27.2 27.3 27.4 27.5 27.6 27.7 27.8 27.9 28.0 28.1 28.2 28.3 28.4 28.5 28.6 28.7 28.8 28.9 29.0 29.1 29.2 29.3 29.4 29.5 29.6 29.7 29.8 29.9 30.0 30.1 30.2 30.3 30.4 30.5 30.6 30.7 30.8 30.9 31.0 31.1 31.2 31.3 31.4 31.5 31.6 31.7 31.8 31.9 32.0 32.1 32.2 32.3 32.4 32.5 32.6 32.7 32.8 32.9 33.0 33.1 33.2 33.3 33.4 33.5 33.6 33.7 33.8 33.9 34.0 34.1 34.2 34.3 34.4 34.5 34.6 34.7 34.8 34.9 35.0 35.1 35.2 35.3 35.4 35.5 35.6 35.7 35.8 35.9 36.0 36.1 36.2 36.3 36.4 36.5 36.6 36.7 36.8 36.9 37.0 37.1 37.2 37.3 37.4 37.5 37.6 37.7 37.8 37.9 38.0 38.1 38.2 38.3 38.4 38.5 38.6 38.7 38.8 38.9 39.0 39.1 39.2 39.3 39.4 39.5 39.6 39.7 39.8 39.9 40.0 40.1 40.2 40.3 40.4 40.5 40.6 40.7 40.8 40.9 41.0 41.1 41.2 41.3 41.4 41.5 41.6 41.7 41.8 41.9 42.0 42.1 42.2 42.3 42.4 42.5 42.6 42.7 42.8 42.9 43.0 43.1 43.2 43.3 43.4 43.5 43.6 43.7 43.8 43.9 44.0 44.1 44.2 44.3 44.4 44.5 44.6 44.7 44.8 44.9 45.0 45.1 45.2 45.3 45.4 45.5 45.6 45.7 45.8 45.9 46.0 46.1 46.2 46.3 46.4 46.5 46.6 46.7 46.8 46.9 47.0 47.1 47.2 47.3 47.4 47.5 47.6 47.7 47.8 47.9 48.0 48.1 48.2 48.3 48.4 48.5 48.6 48.7 48.8 48.9 49.0 49.1 49.2 49.3 49.4 49.5 49.6 49.7 49.8 49.9 50.0 50.1 50.2 50.3 50.4 50.5 50.6 50.7 50.8 50.9 51.0 51.1 51.2 51.3 51.4 51.5 51.6 51.7 51.8 51.9 52.0 52.1 52.2 52.3 52.4 52.5 52.6 52.7 52.8 52.9 53.0 53.1 53.2 53.3 53.4 53.5 53.6 53.7 53.8 53.9 54.0 54.1 54.2 54.3 54.4 54.5 54.6 54.7 54.8 54.9 55.0 55.1 55.2 55.3 55.4 55.5 55.6 55.7 55.8 55.9 56.0 56.1 56.2 56.3 56.4 56.5 56.6 56.7 56.8 56.9 57.0 57.1 57.2 57.3 57.4 57.5 57.6 57.7 57.8 57.9 58.0 58.1 58.2 58.3 58.4 58.5 58.6 58.7 58.8 58.9 59.0 59.1 59.2 59.3 59.4 59.5 59.6 59.7 59.8 59.9 60.0 60.1 60.2 60.3 60.4 60.5 60.6 60.7 60.8 60.9 61.0 61.1 61.2 61.3 61.4 61.5 61.6 61.7 61.8 61.9 62.0 62.1 62.2 62.3 62.4 62.5 62.6 62.7 62.8 62.9 63.0 63.1 63.2 63.3 63.4 63.5 63.6 63.7 63.8 63.9 64.0 64.1 64.2 64.3 64.4 64.5 64.6 64.7 64.8 64.9 65.0 65.1 65.2 65.3 65.4 65.5 65.6 65.7 65.8 65.9 66.0 66.1 66.2 66.3 6

Metals: Indicate if this waste contains any of the following metals
If Generator knowledge-provide backup ☐ Lab Analysis ☒ Generator Knowledge

☒ TCLP ☒ TOTAL

Not Concentration		Not Concentration					
Present		Present					
PCB	<input type="checkbox"/> ppm	Aromatic Amine	<input type="checkbox"/> ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/> <5	ppm
Dioxins	<input type="checkbox"/> ppm	Pesticides	<input type="checkbox"/> ppm	Barium (Ba)	D005	<input checked="" type="checkbox"/> <100	ppm
Cyanides Reactive	<input type="checkbox"/> ppm	Rodenticides	<input type="checkbox"/> ppm	Cadmium (Cd)	D006	<input checked="" type="checkbox"/> <1	ppm
Cyanides Total	<input type="checkbox"/> ppm	Fungicides	<input type="checkbox"/> ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/> <5	ppm
Sulfides Reactive	<input type="checkbox"/> ppm			Lead (Pb)	D008	<input checked="" type="checkbox"/> <5	ppm
Sulfides Total	<input type="checkbox"/> ppm			Mercury (Hg)	D009	<input checked="" type="checkbox"/> <0.2	ppm
				Selenium (Se)	D010	<input checked="" type="checkbox"/> <1	ppm
				Silver (Ag)	D011	<input checked="" type="checkbox"/> <5	ppm

TCLP Organics D012 - D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☒ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☒ NIOSH Human-Potential Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
2. Reportable Quantity (RQ) in pounds: 100
3. DOT Shipping Name: NA3082, RQ Hazardous Waste, Liquid, Hazard Class 9 UN/NA NA3082
PG PGIII ERG 171 Hazardous Constituents for "h.o.s." Methyl Ethyl Ketone
4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
5. Number of Units to Ship Now: NA 6. Anticipated Volume / Units per Year: 12-15 or ☒ One Time
8. Special Handling Requirements including PPE:

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If the above checked ☐ I request Republic Industrial & Energy Solutions not to correct any inconsistencies. Any corrections Republic Industrial & Energy Solutions makes will be made at the generator's expense and/or regulatory requirements.

Print Name: Adam Cook

Title: Sr. EHS

Generator's Signature: [Signature]

Date: 2/14/22

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: Please collect a representative 1-quart sample of the waste material from the generator's waste profile report using an appropriate container. A representative sample is one that is collected from the waste material in a representative manner. If you are unable to collect a representative sample, please contact your Republic Industrial & Energy Solutions representative.

Generator's Name: Paint System Wastewater L1457369-01
Collection Point: Collected 2-1-22
Date: AC 3-2-22

Paint System Wastewater L1457369-01
Collected 2-1-22
AC 3-2-22



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440223277

Expiration Date
2/23/2023

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: MAGNETIC INSPECTION LABORATORY

Generator Site Address: 1401 GREENLEAF AVENUE

City: ELK GROVE VILLAGE

County:

State: TX

Zip:

Name of Waste: WASTE ETCH SOLUTION

Estimated Annual Volume: 70,000 Gallons

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s):

☐ Landfill

☐ Solidification

☐ Bioremediation

☒ Deep Well

☐ Transfer Facility

Problematic Special Waste according to Republic?

☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee?

☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature: 

Date: 3/16/2022

Name (Printed): KEITH DIAMANTI

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: 

Date: 

Name (Printed): John Frost

3-23-22



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

FAX

INCOMPLETE FILE TRANSMITTAL

TO: Kornellia Sipkema Shaman

LOG NO.: 6440223277

FAX:

File Received: 3/15/2022

From: Special Waste Dept.

Response Date: 3/15/2022

Re: MAGNETIC INSPECTION LABORATORY / WASTE ETCH SOLUTION

SECTION I	SECTION II	SECTION III	SECTION IV	SECTION V	SECTION VI
<input type="checkbox"/> DisposalFacility	<input type="checkbox"/> TransporterName	<input type="checkbox"/> NameOfWaste	<input type="checkbox"/> USEPA	<input type="checkbox"/> CharacteristicComponents	<input type="checkbox"/> GenAuthSignature
<input type="checkbox"/> GeneratorName	<input type="checkbox"/> TransporterSiteAddress	<input type="checkbox"/> ProcessGeneratingWaste	<input type="checkbox"/> SampleDate	<input type="checkbox"/> FreeLiquids	<input type="checkbox"/> GenCoName
<input type="checkbox"/> GeneratorSiteAddress	<input type="checkbox"/> TransporterCityStateZip	<input type="checkbox"/> TypeOfWaste	<input type="checkbox"/> CompositeGrab	<input type="checkbox"/> YesNo	<input type="checkbox"/> NoStateLetter
<input type="checkbox"/> GeneratorCityStateZip	<input type="checkbox"/> TransporterMailingAddress	<input type="checkbox"/> PhysicalState	<input type="checkbox"/> SampleID	<input type="checkbox"/> pH_Flash	<input type="checkbox"/> Name_Title
<input type="checkbox"/> GeneratorMailingAddress	<input type="checkbox"/> TransporterContactName	<input type="checkbox"/> MethodOfShipment			<input type="checkbox"/> SignatureDate
<input type="checkbox"/> GeneratorContactName	<input type="checkbox"/> TransporterTelFax	<input checked="" type="checkbox"/> EstimatedAnnualVolume			
<input type="checkbox"/> GeneratorTelFax		<input type="checkbox"/> Frequency			
<input type="checkbox"/> GeneratorStateID		<input type="checkbox"/> DisposalConsideration			
<input type="checkbox"/> WasteCodeTexas					

ANALYTICALS	TCLP TOTAL METALS	TCLP VOLATILES	TCLP SEMI-VOLATILES	PESTICIDES / HERBICIDE	
<input type="checkbox"/> TotalCyanide	<input type="checkbox"/> Arsenic	<input type="checkbox"/> Benzene	<input type="checkbox"/> Cresols	<input type="checkbox"/> Chlordane	<input type="checkbox"/> LabLetterhead
<input type="checkbox"/> ReactiveCyanide	<input type="checkbox"/> Barium	<input type="checkbox"/> CarbonTetrachloride	<input type="checkbox"/> DichlorobenzeneOne	<input type="checkbox"/> Endrin	<input type="checkbox"/> ChainOfCustody
<input type="checkbox"/> TotalSulfide	<input type="checkbox"/> Cadmium	<input type="checkbox"/> Chlorobenzene	<input type="checkbox"/> DinitrotolueneTwo	<input type="checkbox"/> Heptachlor	<input type="checkbox"/> NoLabSignature
<input type="checkbox"/> ReactiveSulfide	<input type="checkbox"/> Chromium	<input type="checkbox"/> Chloroform	<input type="checkbox"/> Hexachlorobenzene	<input type="checkbox"/> HeptachlorEpoxide	<input type="checkbox"/> ReportOneYearOldPlus
<input type="checkbox"/> TotalPCB	<input type="checkbox"/> Copper	<input type="checkbox"/> DichloroethaneOne	<input type="checkbox"/> Nitrobenzene	<input type="checkbox"/> Lindane	<input type="checkbox"/> NoThirdPartyLab
<input type="checkbox"/> TOX_EOX	<input type="checkbox"/> Lead	<input type="checkbox"/> DichloroethyleneTwo	<input type="checkbox"/> Pentachlorophenol	<input type="checkbox"/> Methoxychlor	<input type="checkbox"/> MissingReportPages
<input type="checkbox"/> Phenols	<input type="checkbox"/> Mercury	<input type="checkbox"/> MethylEthylKetone	<input type="checkbox"/> Pyridine	<input type="checkbox"/> Toxaphene	<input type="checkbox"/> MissingMSDSPages
<input type="checkbox"/> FlashPoint	<input type="checkbox"/> Selenium	<input type="checkbox"/> Tetrachloroethylene	<input type="checkbox"/> TrichlorophenolFive	<input type="checkbox"/> TwoFourD	<input type="checkbox"/> TotalSulfates
<input type="checkbox"/> pH	<input type="checkbox"/> Silver	<input type="checkbox"/> Trichloroethylene	<input type="checkbox"/> TrichlorophenolSix	<input type="checkbox"/> TwoFourFiveTP	<input type="checkbox"/> TotalSulfur
<input type="checkbox"/> PaintFilter	<input type="checkbox"/> Zinc	<input type="checkbox"/> VinylChloride			<input type="checkbox"/> WrongProfile
<input type="checkbox"/> TPH					
<input type="checkbox"/> BTEX					<input type="checkbox"/> GeneratorIncomplete

Notes:

Volume needs to be listed on profile. 7-10 tankers per year doesn't help. Keith

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILEProfile # 6440223277**GENERATOR INFORMATION**

Name: Magnetic Inspection Laboratory USEPA ID # ILS049998297
Facility Address: 1401 Greenleaf Avenue SIC/NAICS Code: State Code: 332813
City: Elk Grove Village State: IL Zip Code: 60007
Contact: Rob Drapeau Title: EHS Mgr. Phone: () 847-437-4488 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: AllSource Environmental
Address: 17W775 Butterfield Rd. Suite# 102C
City: Oak Brook Terrace State: IL Zip Code: 60181
Attention: John Heraty Title: Partner Phone: () 773-505-3100 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:
Waste Etch Solution

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~Chemical Milling~~

Surface Refinishing of Stainless, Titanium, & Carbon Steel Parts

USEPA / STATE WASTE IDENTIFICATION

1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes: D002 D006 D007

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input checked="" type="checkbox"/> <0.8 <input type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other <input type="text"/>
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pH: ☐ NA ☒ < 2 ☐ 2 — 4 ☐ 4 — 6

☐ 6 — 8 ☐ 8-10 ☐ 10 — 12.5 ☐ >12.5

Liquid Flash Point: ☐ <73°F ☐ 73—100°F ☐ 101—140°F ☐ 141—200°F ☐ >200°F ☒ None ☐ Closed Cup ☐ Open Cup

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

Nitric Acid	25	30	%	Sulfuric Acid	0	5	%
Hydrochloric Acid	15	25	%	Water	40	50	%
Hydrofluoric Acid	0	5	%				%

Metals: Indicate if this waste contains any of the following metals

If Generator knowledge-provide backup ☐ Lab Analysis ☐ Generator Knowledge☐ TCLP ☐ TOTAL

Not Concentration		Not Concentration					
Present		Present					
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004 <input checked="" type="checkbox"/> <5 ppm ppm
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005 <input checked="" type="checkbox"/> <100 ppm ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006 <input type="checkbox"/> <1 ppm <2 ppm
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007 <input type="checkbox"/> <5 ppm <400 ppm
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008 <input checked="" type="checkbox"/> <5 ppm ppm
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009 <input checked="" type="checkbox"/> <0.2 ppm ppm
						Selenium (Se)	D010 <input checked="" type="checkbox"/> <1 ppm ppm
						Silver (Ag)	D011 <input checked="" type="checkbox"/> <5 ppm ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☒ Yes ☐ No
 2. Reportable Quantity (RQ) in pounds 100#
 3. DOT Shipping Name RQ, Waste Corrosive Liquid, Acidic, Inorganic, N. O. S. Hazard Class 8 UN/NA UN3264
 PG II ERG Hazardous Constituents for "n.o.s." Hydrochloric Acid & Chrome
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 6. Anticipated Volume / Units per Year: 7-10 Tankers per Yr. or ☐ One Time
 6. Special Handling Requirements including PPE:

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Jerry SlaterTitle: SalesGenerator's Signature: Jerry SlaterDate: 2/23/22

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. 2.
 SAMPLING METHOD COLLECTION POINT
 3.
 SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. Preservation: Yes ☐ No ☐
 5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 6440223286	Expiration Date 3/9/2023	
I. Decision Request:	<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change		
Disposal Facility: 6440 - Detroit Industrial Well			
Generator Name: MAGNA ELECTRIC VEHICLE STRUCTURES			
Generator Site Address: 1811 S RANGE ROAD			
City: SAINT CLAIR	County: <input type="text"/>	State: TX	Zip: <input type="text"/>
Name of Waste: PRETREATMENT WASTEWATER			
Estimated Annual Volume: 15,000 Gallons			

II. Special Waste Department Decision:

☒ Approved ☐ Rejected

Management Method(s): ☐ Landfill ☐ Solidification ☐ Bioremediation ☒ Deep Well ☐ Transfer Facility

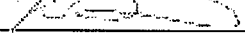
Problematic Special Waste according to Republic? ☐ Yes ☒ No

If yes, which one?

Approved by Special Waste Review Committee? ☐ Yes ☐ No ☒ Not Applicable

Precautions, Conditions or Limitations on Approval

The site must ensure that all pre-acceptance and verification analytical is performed in accordance with the site's permit requirements prior to acceptance and disposal of the profiled waste.

Special Waste Analyst Signature: 
Date: 3/16/2022

Name (Printed): KEITH DIAMANTI

III. Facility Decision:

☐ Approved ☐ Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: 

Date: 3-23-22

Name (Printed): John Frost



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

FAX

INCOMPLETE FILE TRANSMITTAL

TO: Kornellia Sipkema Shaman

LOG NO.: 6440223286

FAX:

File Received: 3/15/2022

From: Special Waste Dept.

Response Date: 3/15/2022

Re: MAGNA ELECTRIC VEHICLE STRUCTURES / PRETREATMENT WASTEWATER

SECTION I	SECTION II	SECTION III	SECTION IV	SECTION V	SECTION VI
<input type="checkbox"/> DisposalFacility	<input type="checkbox"/> TransporterName	<input type="checkbox"/> NameOfWaste	<input type="checkbox"/> USEPA	<input type="checkbox"/> CharacteristicComponents	<input type="checkbox"/> GenAuthSignature
<input type="checkbox"/> GeneratorName	<input type="checkbox"/> TransporterSiteAddress	<input type="checkbox"/> ProcessGeneratingWaste	<input type="checkbox"/> SampleDate	<input type="checkbox"/> FreeLiquids	<input type="checkbox"/> GenCoName
<input type="checkbox"/> GeneratorSiteAddress	<input type="checkbox"/> TransporterCityStateZip	<input type="checkbox"/> TypeOfWaste	<input type="checkbox"/> CompositeGrab	<input type="checkbox"/> YesNo	<input type="checkbox"/> NoStateLetter
<input type="checkbox"/> GeneratorCityStateZip	<input type="checkbox"/> TransporterMailingAddress	<input type="checkbox"/> PhysicalState	<input type="checkbox"/> SampleID	<input type="checkbox"/> pH_Flash	<input type="checkbox"/> Name_Title
<input type="checkbox"/> GeneratorMailingAddress	<input type="checkbox"/> TransporterContactName	<input type="checkbox"/> MethodOfShipment			<input type="checkbox"/> SignatureDate
<input type="checkbox"/> GeneratorContactName	<input type="checkbox"/> TransporterTelFax	<input type="checkbox"/> EstimatedAnnualVolume			
<input type="checkbox"/> GeneratorTelFax		<input type="checkbox"/> Frequency			
<input type="checkbox"/> GeneratorStateID		<input type="checkbox"/> DisposalConsideration			
<input type="checkbox"/> WasteCodeTexas					

ANALYTICALS	TCLP TOTAL METALS	TCLP VOLATILES	TCLP SEMI-VOLATILES	PESTICIDES / HERBICIDE	
<input type="checkbox"/> TotalCyanide	<input type="checkbox"/> Arsenic	<input type="checkbox"/> Benzene	<input type="checkbox"/> Cresols	<input type="checkbox"/> Chlordane	<input type="checkbox"/> LabLetterhead
<input type="checkbox"/> ReactiveCyanide	<input type="checkbox"/> Barium	<input type="checkbox"/> CarbonTetrachloride	<input type="checkbox"/> DichlorobenzeneOne	<input type="checkbox"/> Endrin	<input type="checkbox"/> ChainOfCustody
<input type="checkbox"/> TotalSulfide	<input type="checkbox"/> Cadmium	<input type="checkbox"/> Chlorobenzene	<input type="checkbox"/> DinitrotolueneTwo	<input type="checkbox"/> Heptachlor	<input type="checkbox"/> NoLabSignature
<input type="checkbox"/> ReactiveSulfide	<input type="checkbox"/> Chromium	<input type="checkbox"/> Chloroform	<input type="checkbox"/> Hexachlorobenzene	<input type="checkbox"/> HeptachlorEpoxide	<input type="checkbox"/> ReportOneYearOldPlus
<input type="checkbox"/> TotalPCB	<input type="checkbox"/> Copper	<input type="checkbox"/> DichloroethaneOne	<input type="checkbox"/> Nitrobenzene	<input type="checkbox"/> Lindane	<input type="checkbox"/> NoThirdPartyLab
<input type="checkbox"/> TOX_EOX	<input type="checkbox"/> Lead	<input type="checkbox"/> DichloroethyleneTwo	<input type="checkbox"/> Pentachlorophenol	<input type="checkbox"/> Methoxychlor	<input checked="" type="checkbox"/> MissingReportPages
<input type="checkbox"/> Phenols	<input type="checkbox"/> Mercury	<input type="checkbox"/> MethylEthylKetone	<input type="checkbox"/> Pyridine	<input type="checkbox"/> Toxaphene	<input type="checkbox"/> MissingMSDSPages
<input type="checkbox"/> FlashPoint	<input type="checkbox"/> Selenium	<input type="checkbox"/> Tetrachloroethylene	<input type="checkbox"/> TrichlorophenolFive	<input type="checkbox"/> TwoFourD	<input type="checkbox"/> TotalSulfates
<input type="checkbox"/> pH	<input type="checkbox"/> Silver	<input type="checkbox"/> Trichloroethylene	<input type="checkbox"/> TrichlorophenolSix	<input type="checkbox"/> TwoFourFiveTP	<input type="checkbox"/> TotalSulfur
<input type="checkbox"/> PaintFilter	<input type="checkbox"/> Zinc	<input type="checkbox"/> VinylChloride			<input type="checkbox"/> WrongProfile
<input type="checkbox"/> TPH					
<input type="checkbox"/> BTEX					<input checked="" type="checkbox"/> GeneratorIncomplete

Notes:

Lab report sample, Frac Tank, does not match chain of custody and profile sample, ME-01. Keith

Republic Industrial and Energy Solutions, LLC

28470 Ciltrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # 6440223286

GENERATOR INFORMATION

Name: Magna Electric Vehicle Structures USEPA ID # VSQG
Facility Address: 1811 S Range Road SIC/NAICS Code: State Code:
City: Saint Clair State: MI Zip Code: 48079
Contact: Jennifer Krohn Title: EHS Specialist Phone: (248) 878-0300 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: ERG Environmental Services
Address: 13040 Merriman Rd, Suite 200
City: Livonia State: MI Zip Code: 48150
Attention: Accounts Payable Title: Phone: () 437-9650 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Pretreatment Wastewater

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

Pretreatment process of rinse waters from zinc phosphating steel parts. Waste may also contain water from floor scrubber.**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be: ☒ Non Hazardous Liquid Industrial Waste ☐ Hazardous Waste
2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)
3. List ALL Applicable Waste Codes:

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 — 1.2 <input type="checkbox"/> 0.8 — 1.0 <input type="checkbox"/> 1.3 — 1.4 Exact / Other	
--	--	---	---	--

pH: ☐ NA ☐ < 2 ☐ 2 — 4 ☐ 4 — 6 ☒ 6 — 8 ☐ 8 — 10 ☐ 10 — 12.5 ☐ > 12.5Liquid Flash Point: ☐ < 73°F ☐ 73 — 100°F ☐ 101 — 140°F ☐ 141 — 200°F ☒ > 200°F ☐ None ☐ Closed Cup ☐ Open Cup

VOC CONCENTRATION - <1 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (LIST EACH CONSTITUENT <=> 1= 0.1%)

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
Wastewater	100	100			

Metals: Indicate if this waste contains any of the following metals

If Generator Knowledge-provide backup ☒ Lab Analysis ☒ Generator Knowledge ☒ TCLP ☐ TOTAL

	Not Present	Concentration	Not Present	Concentration					
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/>	<5 ppm
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	<input checked="" type="checkbox"/>	<100 ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input checked="" type="checkbox"/>	<1 ppm
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/>	<5 ppm
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input checked="" type="checkbox"/>	<5 ppm
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/>	<0.2 ppm
						Selenium (Se)	D010	<input checked="" type="checkbox"/>	<1 ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/>	<5 ppm

TCLP Organics D012 — D043 above regulatory limits: Present ☐ Not Present ☒

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- ☐ Radioactive ☐ Water Reactive ☐ Oxidizer ☐ Shock Sensitive ☐ Reactive (other) ☐ DOT Explosives
☐ NIOSH Human-Positive Carcinogens ☐ NESHAP Wastes (Benzene, etc.) ☐ Biological ☒ None Apply

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? ☐ Yes ☒ No
 2. Reportable Quantity (RQ) in pounds _____
 3. DOT Shipping Name Non-DOT, Non-RCRA Regulated Hazard Class _____ UN/NA _____
 PG _____ ERG _____ Hazardous Constituents for "n.o.s." _____
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☐ Toles
 5. Number of Units to Ship Now 15,000 6. Anticipated Volume / Units per Year: 15,000 or ☐ One Time
 6. Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein.

If this box is checked ☐ I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Jennifer KohlTitle: EH&S SpecialistGenerator's Signature: [Signature]Date: 3-9-2022

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. Grab 2. tank
 SAMPLING METHOD COLLECTION POINT

3. David Morrison, Project Manager, ERG

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. ME-01 Fractank JHK 3/10/2022 Preservation: Yes ☐ No ☒

5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
David Morrison	3/11/22				