



REPUBLIC
SERVICES

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

November 22, 2021

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

Re: RIES Monthly Report

Dear Mr. Batka:

Republic Industrial and Energy Solutions, LLC (RIES) hereby submits the Ninety Fifth 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 did not accept F039 waste in October of 2021 so analyses as stated on Page A-3 of 3 of RIES's EPA two UIC permits are not required to be submitted as part of this MR. A short write-up is placed in sections Well 1 and Well 2 explaining the charts and the current state of the chart recorders.

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 2021

CURRENT REPORTING MONTH October

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

Nov 2013

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
MI-163-1W-C010, Well #1-12			
Current Month	1,622,395	0	1,622,395
Since facility first injected			38,470,228
MI-163-1W-C011, Well #2-12			
Current Month	1,607,984	0	1,607,984
Since facility first injected			18,503,821
		Lifetime Combined	56,974,049

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

Calculations

Whole number of months of injection 94

94 lifetime number of months of injection × 43,830 minutes/month
= 4,120,020 minutes of injection

Lifetime combined injected volume 56,974,049 ÷ 4,120,020 minutes of injection
= 13.83 gpm average injection rate

WELL 1 DATA

Monthly Report

Date Generated:
Nov 12, 2021

2021-10-01 00:00:00
2021-10-31 00:00:00



Injection Well#1

	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	
Oct 1, 2021	17.5	935.3		32.9	33.1		817.6	1,343.6		2.1	6.9		0.0	81.9		370.8	825.5	
Oct 2, 2021	140.6	940.0		33.0	33.1		818.7	1,337.5		6.4	6.7		0.0	81.9		333.7	803.7	
Oct 3, 2021	129.7	886.3		32.9	33.0		768.4	1,107.7		1.8	6.8		0.0	82.0		219.2	717.2	
Oct 4, 2021	65.0	848.2		32.9	33.1		752.8	1,249.8		2.1	6.6		0.0	82.2		333.8	762.6	
Oct 5, 2021	110.4	939.4		33.0	33.1		800.5	1,290.3		2.2	6.6		0.0	82.1		283.9	711.6	
Oct 6, 2021	95.7	933.5		33.0	33.0		787.7	1,264.0		2.1	6.7		0.0	81.9		278.4	719.8	
Oct 7, 2021	42.1	940.4		33.0	33.0		794.1	1,269.3		2.2	6.9		0.0	81.9		314.2	832.1	
Oct 8, 2021	102.6	940.1		33.0	33.0		797.2	1,263.9		6.2	6.8		0.0	81.5		281.1	764.5	
Oct 9, 2021	54.0	929.8		33.0	33.0		734.6	1,255.6		2.1	6.5		0.0	82.3		233.2	745.2	
Oct 10, 2021	88.2	105.8		32.9	33.0		699.3	735.6		2.5	2.5		0.0	0.0		610.7	630.0	
Oct 11, 2021	-15.3	888.9		32.9	33.1		694.3	1,222.8		2.2	6.9		0.0	83.4		276.0	717.0	
Oct 12, 2021	29.8	940.0		33.0	33.1		774.0	1,259.1		2.4	9.3		0.0	84.1		208.6	788.8	
Oct 13, 2021	54.4	940.5		31.6	33.1		748.7	1,560.7		2.2	9.1		0.0	83.2		202.4	820.0	
Oct 14, 2021	83.6	940.4		31.7	31.8		1,039.2	1,556.7		2.0	6.8		0.0	83.3		508.6	930.2	
Oct 15, 2021	131.0	940.4		31.7	31.8		1,045.3	1,521.5		2.1	7.3		0.0	82.2		423.3	920.6	
Oct 16, 2021	126.7	904.3		31.5	31.7		1,015.6	1,428.8		2.2	7.0		0.0	82.0		505.8	911.9	
Oct 17, 2021	142.3	161.5		31.4	31.6		968.7	1,016.6		6.8	7.0		0.0	0.0		826.1	855.3	
Oct 18, 2021	2.9	939.8		31.4	31.5		962.7	1,416.5		2.3	9.1		0.0	82.2		357.0	930.9	
Oct 19, 2021	37.9	940.1		31.5	31.6		960.2	1,420.6		1.5	7.0		0.0	82.6		383.9	936.9	
Oct 20, 2021	124.8	901.7		31.4	31.5		911.3	1,298.7		1.9	14.0		0.0	82.9		342.6	837.5	
Oct 21, 2021	-10.1	940.2		31.4	31.5		889.9	1,434.5		1.8	14.1		0.0	99.0		341.6	948.5	
Oct 22, 2021	159.4	820.1		31.4	31.5		896.6	1,363.2		1.6	7.4		0.0	81.8		411.4	812.4	
Oct 23, 2021	151.6	812.3		31.4	31.5		968.5	1,371.6		6.6	7.1		0.0	82.0		480.8	896.7	
Oct 24, 2021	133.8	151.9		31.3	31.4		916.5	969.4		6.6	6.6		0.0	0.0		782.4	817.7	
Oct 25, 2021	105.0	887.4		31.2	31.3		811.2	1,245.9		1.3	14.0		0.0	82.3		274.5	793.8	
Oct 26, 2021	-1.0	862.9		31.2	31.4		839.8	1,310.2		1.8	13.7		0.0	82.5		367.9	858.2	
Oct 27, 2021	145.4	160.2		31.2	31.3		876.6	892.5		2.2	7.0		0.0	0.0		716.7	741.6	
Oct 28, 2021	148.7	667.3		31.3	31.4		870.1	1,103.8		1.5	8.5		0.0	61.8		436.0	737.2	
Oct 29, 2021	137.1	701.8		31.3	31.4		872.3	1,118.3		1.0	9.7		0.0	74.3		414.9	742.5	
Oct 30, 2021	131.3	144.1		31.3	31.3		863.9	877.2		6.8	7.0		0.0	0.0		730.4	735.1	
Oct 31, 2021	123.4	131.6		31.2	31.3		854.7	864.3		7.0	7.1		0.0	0.0		731.0	733.2	

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

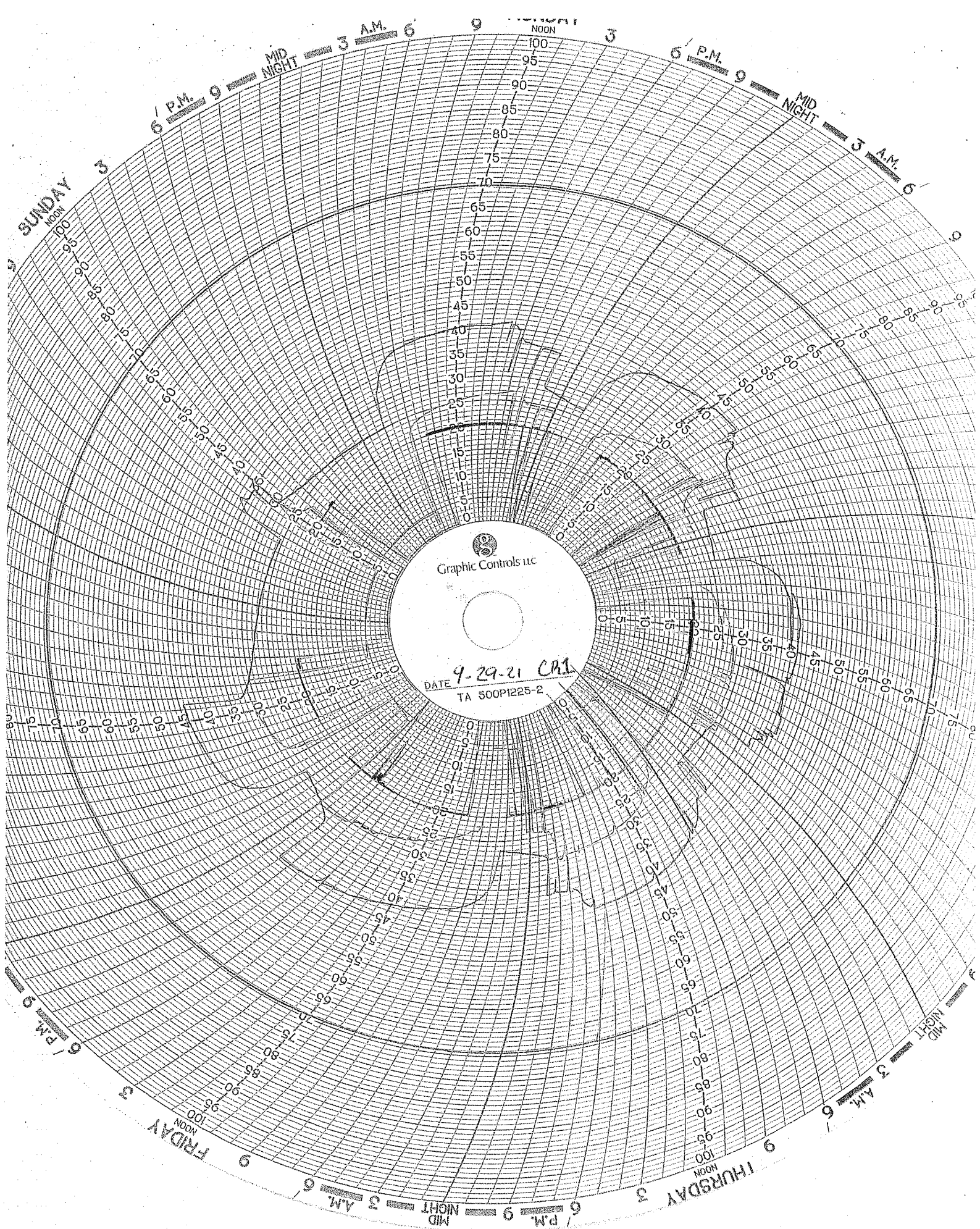
Red Pen — Well 1 Monthly Volume (chart value x 100,000)

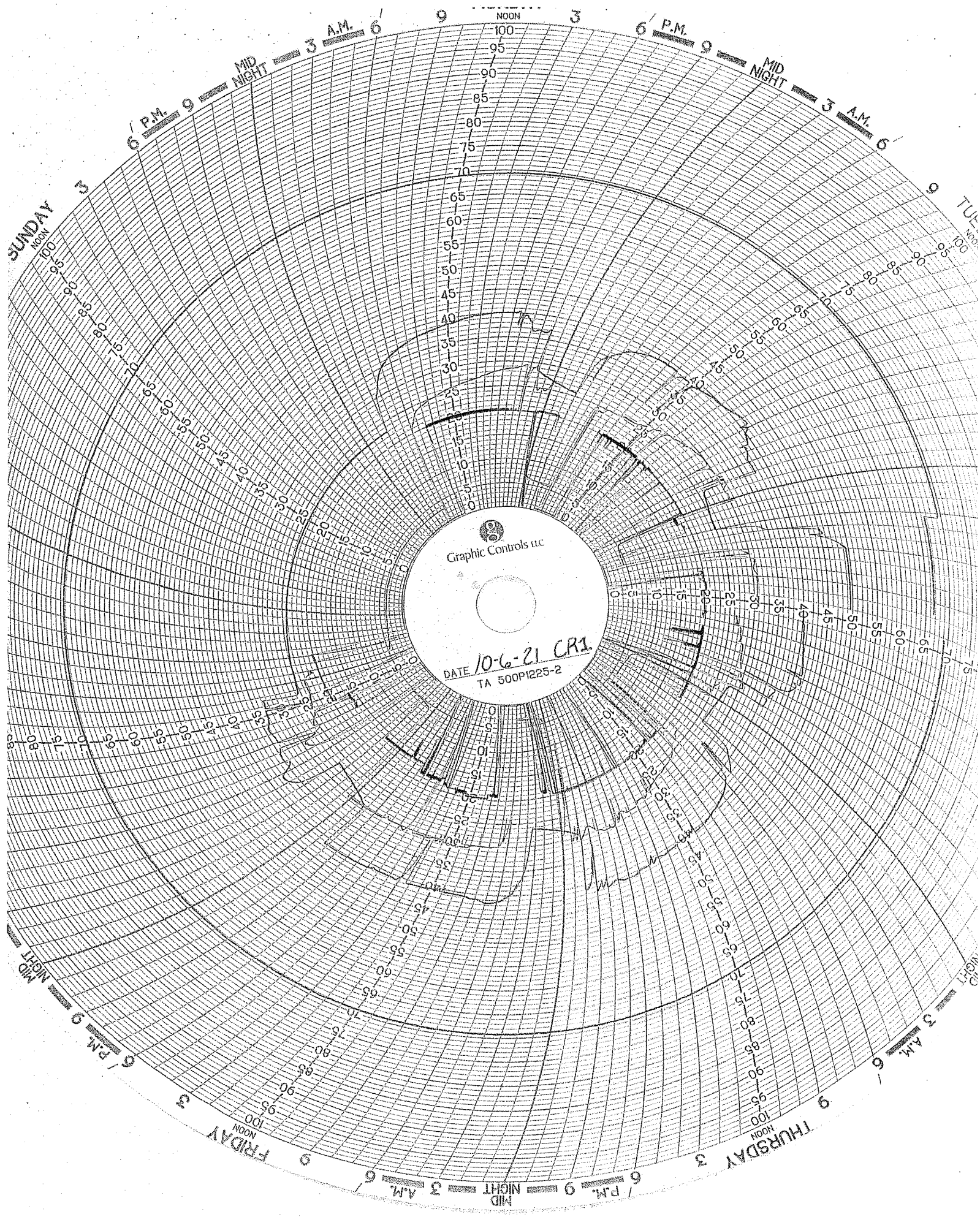
Channel #3

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

channel *tm*

Black Pen — Temperature (chart value x 0)

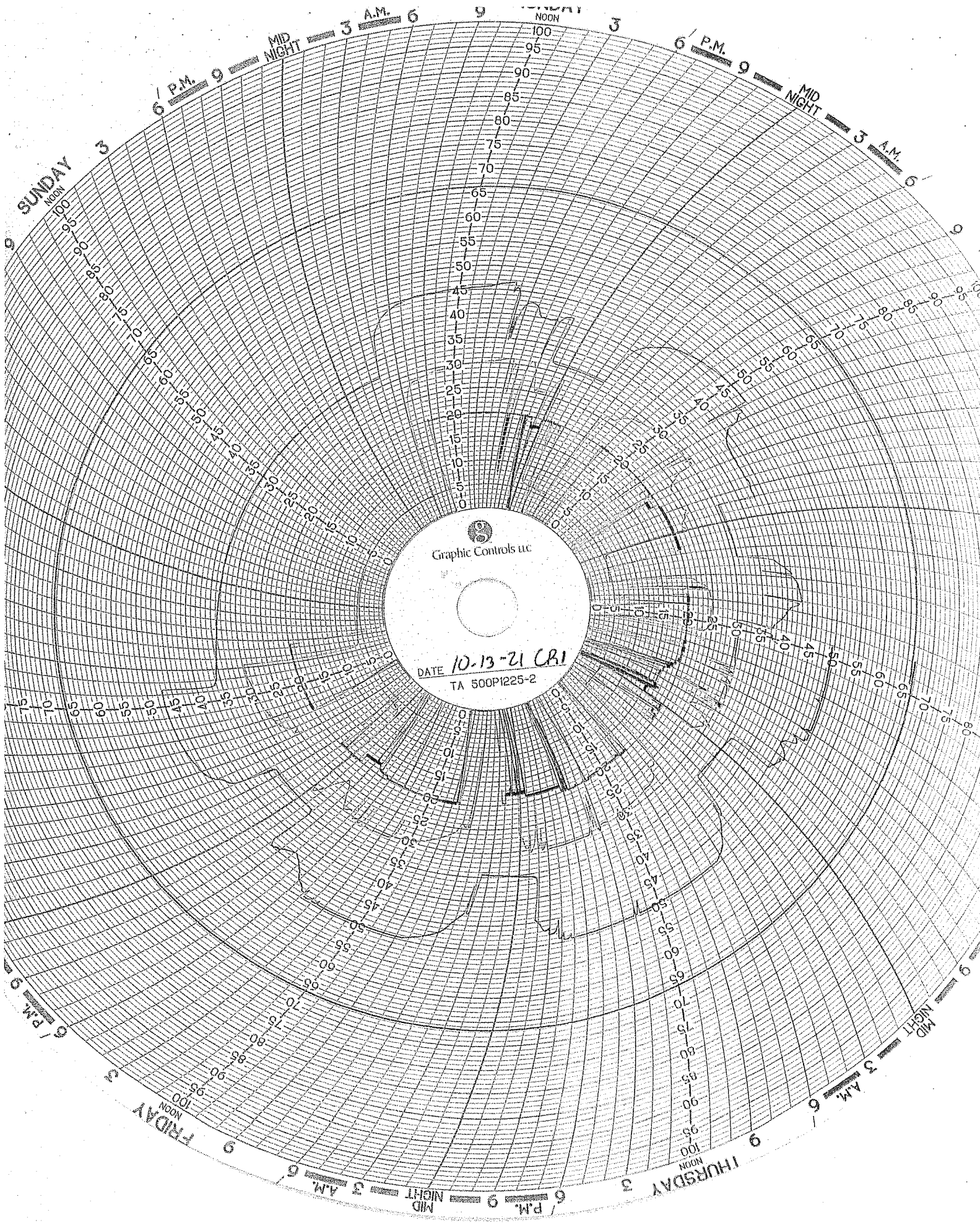




Graphic Controls LLC

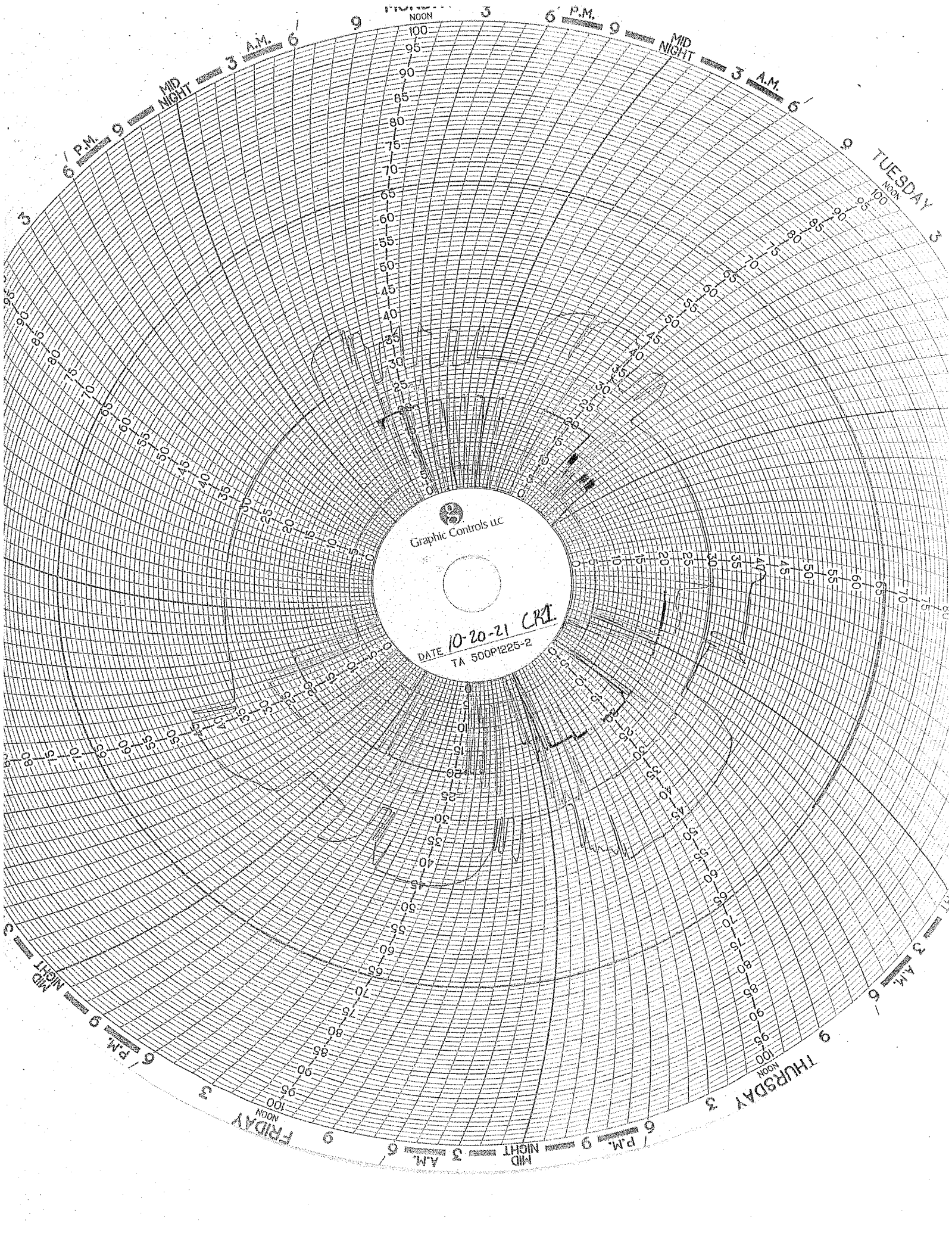
DATE 10-6-21 CR1

TA 500P1225-2



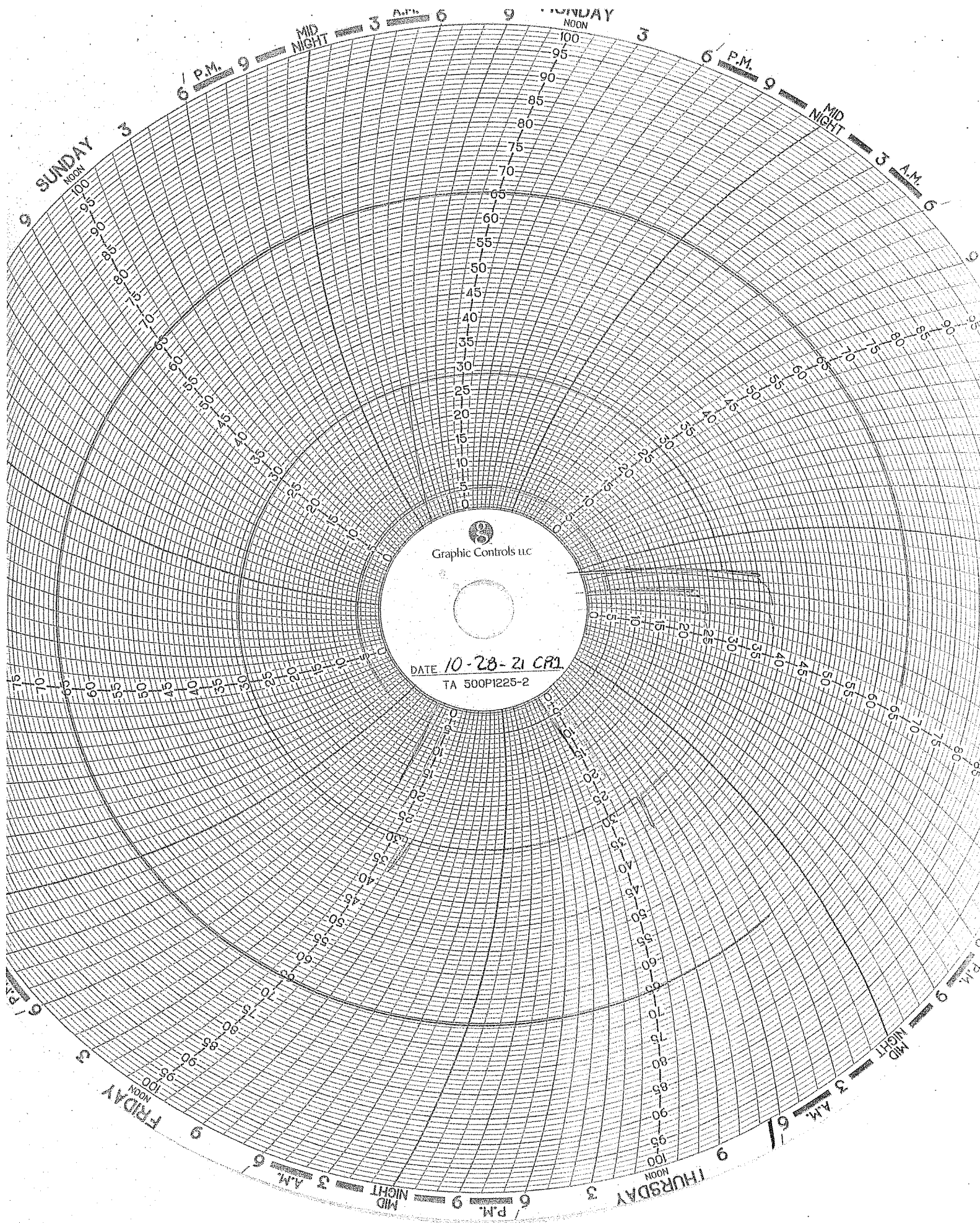
Graphic Controls LLC

DATE 10-13-21 CRI
TA 500P1225-2



Graphic Controls LLC

DATE 10-20-21 CR1
TA 500P1225-2



Graphic Controls LLC

DATE 10-28-21 CAP
TA 500P1225-2

WELL 2 DATA

Monthly Report

Date Generated:
Nov 12, 2021

2021-10-01 00:00:00
2021-10-31 00:00:00



Injection Well#2

	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
Oct 1, 2021	170.6	940.4	34.6	34.8	1,008.4	1,554.7	2.1	6.9	0.0	78.8	532.0	877.9
Oct 2, 2021	-1.7	902.7	34.7	34.8	997.9	1,501.9	2.1	6.7	0.0	66.3	498.3	1,341.5
Oct 3, 2021	130.4	929.8	34.6	34.7	953.7	1,328.9	1.8	6.8	0.0	81.2	383.1	903.2
Oct 4, 2021	126.6	935.2	34.6	34.8	943.2	1,509.9	2.1	6.6	0.0	81.2	513.7	849.7
Oct 5, 2021	174.4	940.4	34.7	34.8	1,000.9	1,531.9	2.2	6.6	0.0	82.0	495.1	878.5
Oct 6, 2021	178.2	940.2	34.6	34.7	991.4	1,516.4	2.1	6.7	0.0	82.1	484.2	834.8
Oct 7, 2021	109.2	940.1	34.7	34.7	1,002.4	1,502.5	2.2	7.3	0.0	86.7	444.3	917.4
Oct 8, 2021	11.0	940.7	34.7	34.7	947.2	1,484.6	5.5	6.8	0.0	87.1	437.0	959.9
Oct 9, 2021	108.9	931.8	34.7	34.7	941.1	1,472.8	2.1	6.5	0.0	82.6	423.0	913.0
Oct 10, 2021	89.7	109.5	34.6	34.7	908.9	941.4	2.5	2.5	0.0	0.0	818.3	832.6
Oct 11, 2021	87.3	940.2	34.6	34.7	905.1	1,491.7	2.2	6.9	0.0	92.3	481.9	819.4
Oct 12, 2021	163.6	940.2	34.7	34.8	993.5	1,511.8	2.4	9.3	0.0	112.1	450.1	894.9
Oct 13, 2021	134.7	947.0	34.7	34.8	972.9	1,504.6	2.2	9.1	0.0	81.4	386.1	848.7
Oct 14, 2021	145.1	940.4	34.7	34.8	972.9	1,513.9	2.0	8.3	0.0	83.3	435.9	834.7
Oct 15, 2021	181.2	940.2	34.7	34.8	967.4	1,477.3	2.1	7.3	0.0	86.6	368.6	790.5
Oct 16, 2021	165.6	939.7	34.5	34.7	957.5	1,407.5	2.2	7.0	0.0	85.2	412.4	832.9
Oct 17, 2021	143.7	166.2	34.4	34.5	916.2	961.0	6.8	7.0	0.0	0.0	771.9	795.5
Oct 18, 2021	140.6	939.4	34.3	34.5	911.4	1,380.2	2.3	9.1	0.0	84.4	318.0	772.9
Oct 19, 2021	160.5	937.7	34.4	34.6	911.8	1,397.2	1.5	7.0	0.0	85.7	327.3	839.2
Oct 20, 2021	147.8	161.8	34.3	34.5	907.6	947.3	1.9	14.0	0.0	0.0	756.5	786.6
Oct 21, 2021	141.7	945.9	34.4	34.5	891.5	1,410.2	1.8	14.1	0.0	88.3	296.9	790.9
Oct 22, 2021	163.4	916.5	34.4	34.5	859.5	1,371.2	1.6	7.4	0.0	85.5	321.1	739.6
Oct 23, 2021	153.5	940.1	34.4	34.5	938.7	1,416.5	6.6	7.1	0.0	80.3	400.4	850.9
Oct 24, 2021	133.5	154.2	34.2	34.4	894.3	943.6	6.6	6.6	0.0	0.0	759.9	790.0
Oct 25, 2021	103.4	939.8	34.2	34.3	786.8	1,276.2	1.3	14.0	0.0	85.1	215.5	761.1
Oct 26, 2021	-6.5	940.2	34.2	34.3	823.1	1,328.6	1.8	13.7	0.0	83.9	204.5	835.1
Oct 27, 2021	105.1	830.7	34.1	34.3	770.1	1,260.8	1.4	7.0	0.0	83.9	309.7	723.2
Oct 28, 2021	140.3	752.7	34.3	34.3	793.4	1,198.2	1.4	13.0	0.0	84.6	288.9	707.1
Oct 29, 2021	-5.4	758.4	34.3	34.3	796.4	1,245.2	1.1	9.7	0.0	83.7	377.4	840.1
Oct 30, 2021	131.6	770.1	34.2	34.3	890.4	1,274.5	6.8	7.0	0.0	77.0	439.7	819.1
Oct 31, 2021	121.2	132.5	34.2	34.2	865.6	890.8	7.0	7.1	0.0	0.0	743.3	759.1

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

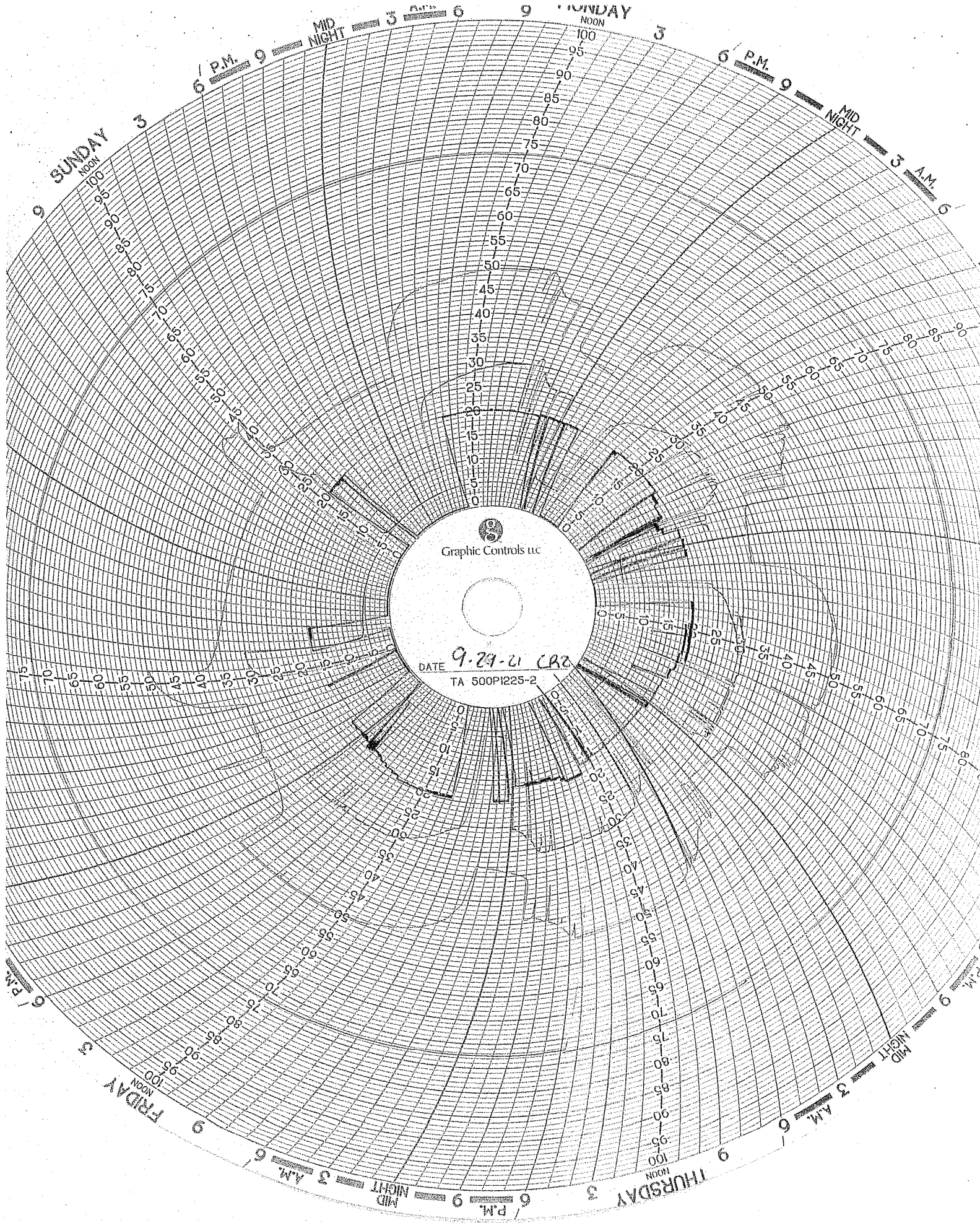
Red Pen — Well 1 Monthly Volume (chart value x 100,000)

Channel #3

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

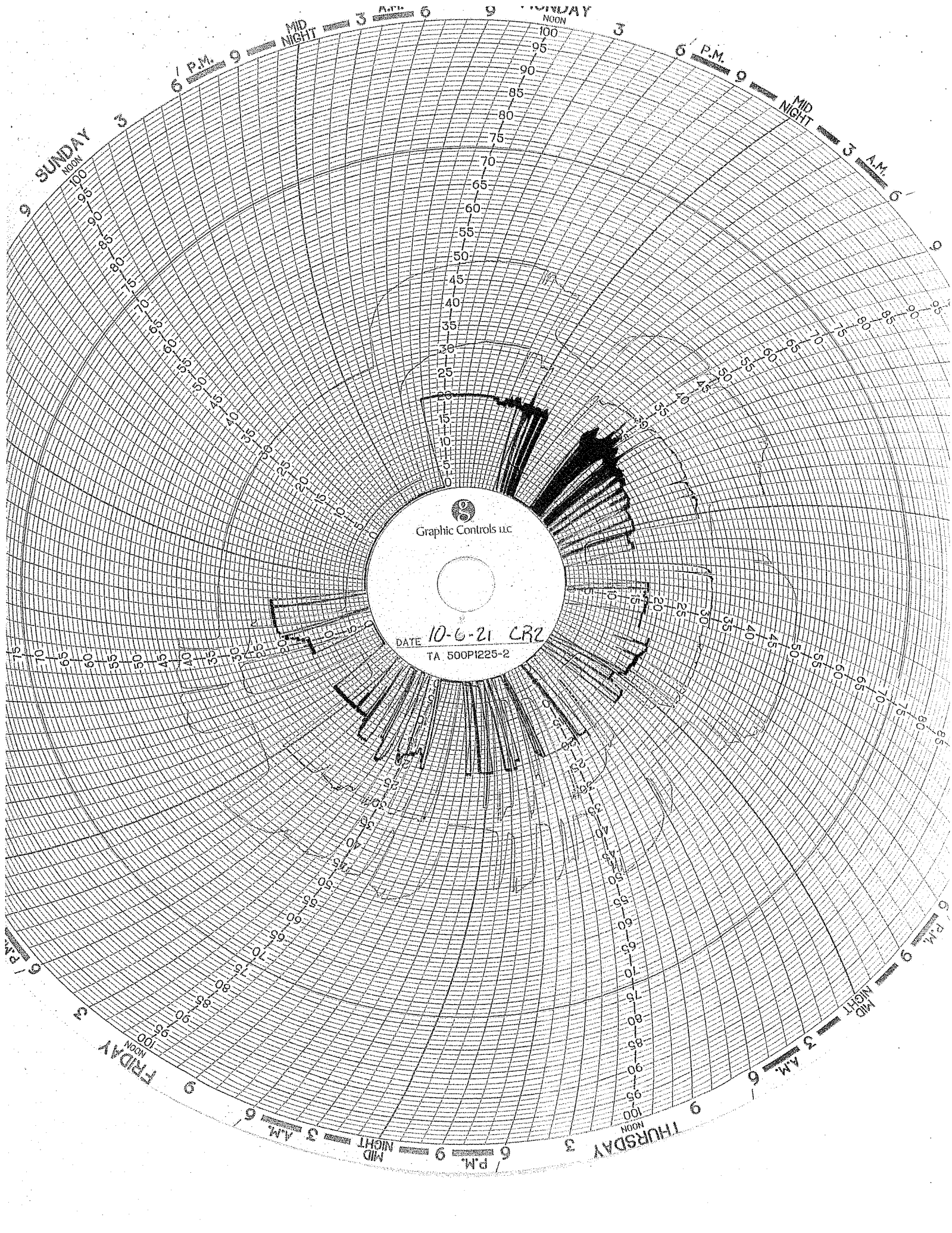
channel *tm*

Black Pen — Temperature (chart value x 0)



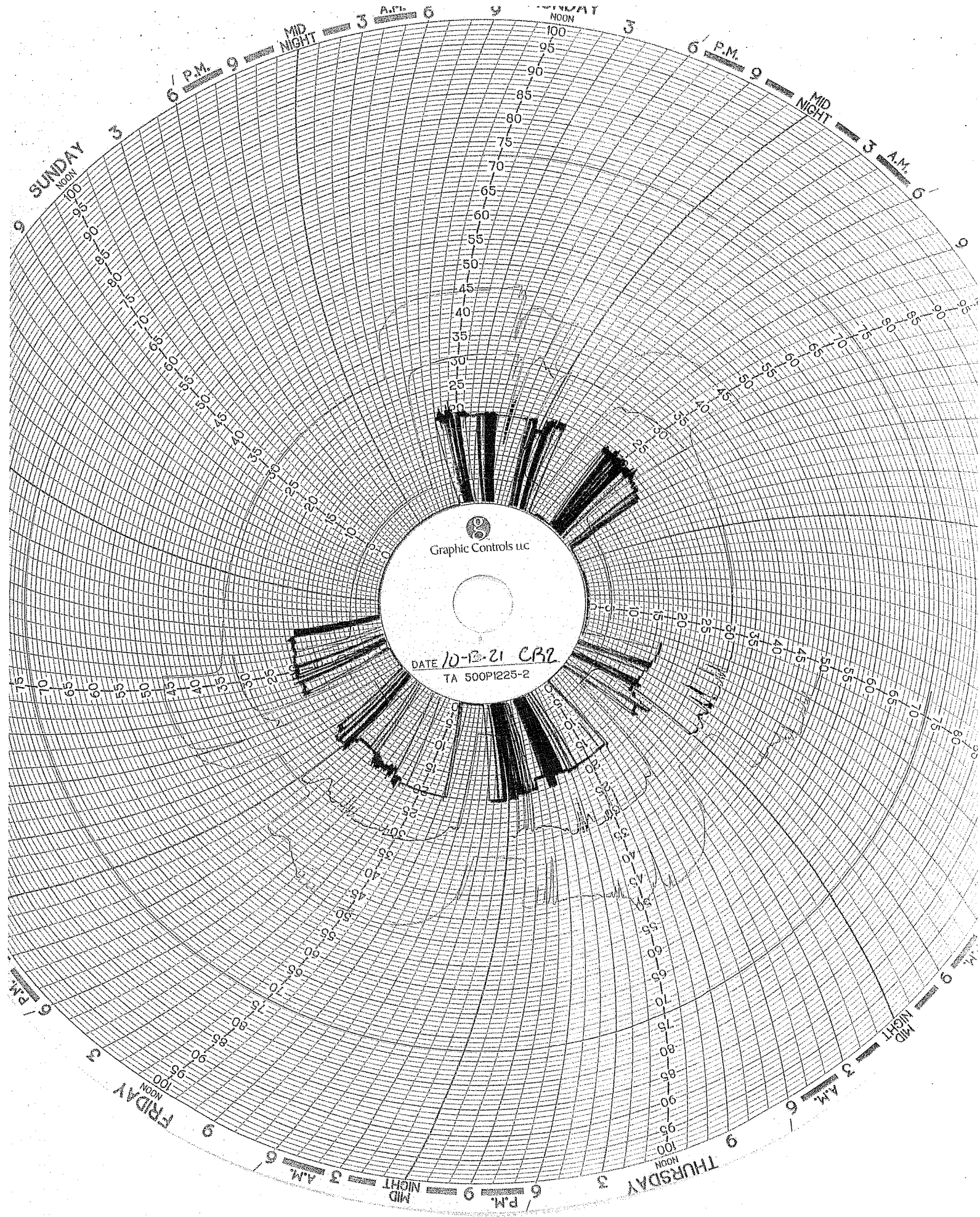
Graphic Controls LLC

DATE 9-29-21 CR2
TA 500PI225-2



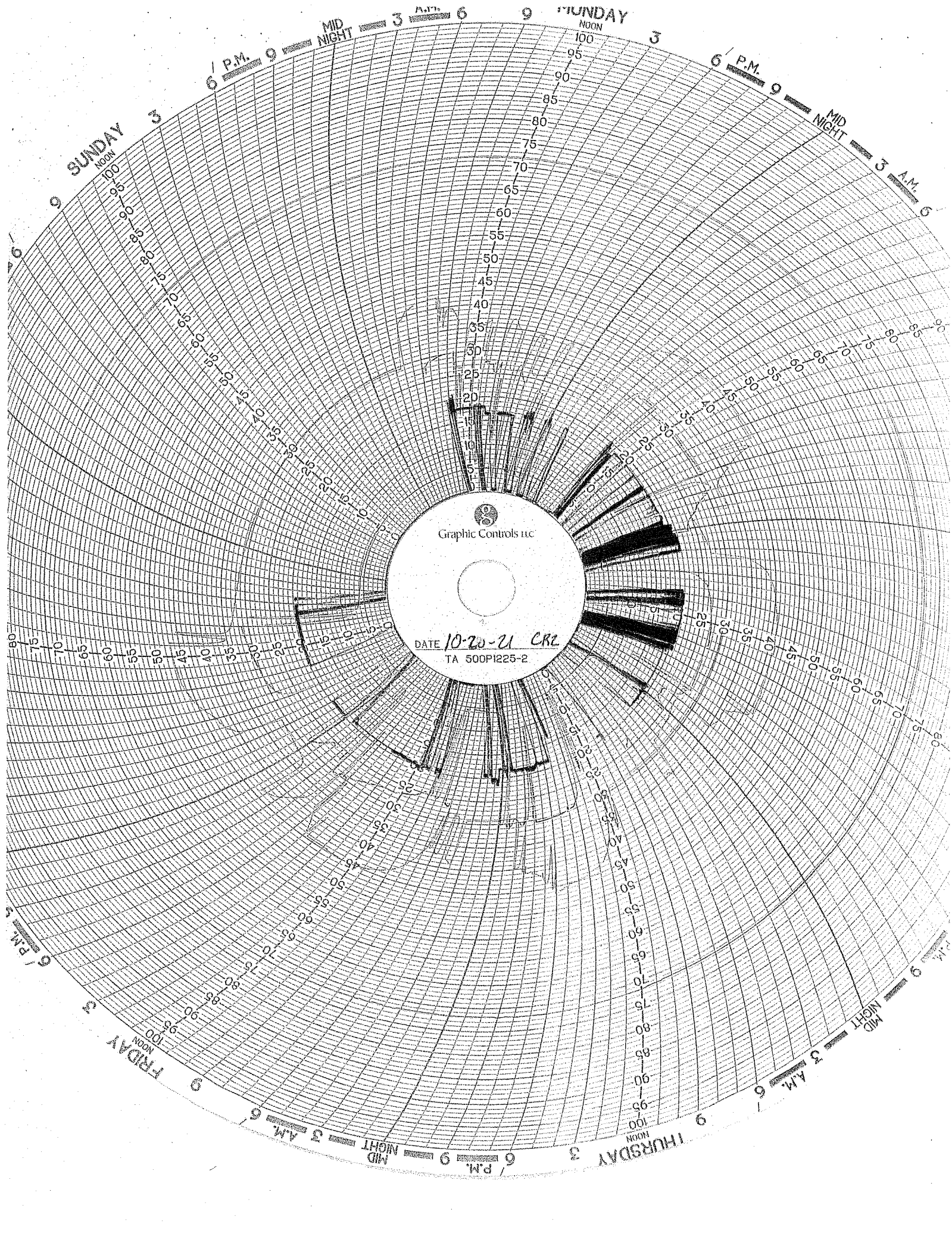
Graphic Controls LLC

DATE 10-6-21 CR2
TA 500PI225-2



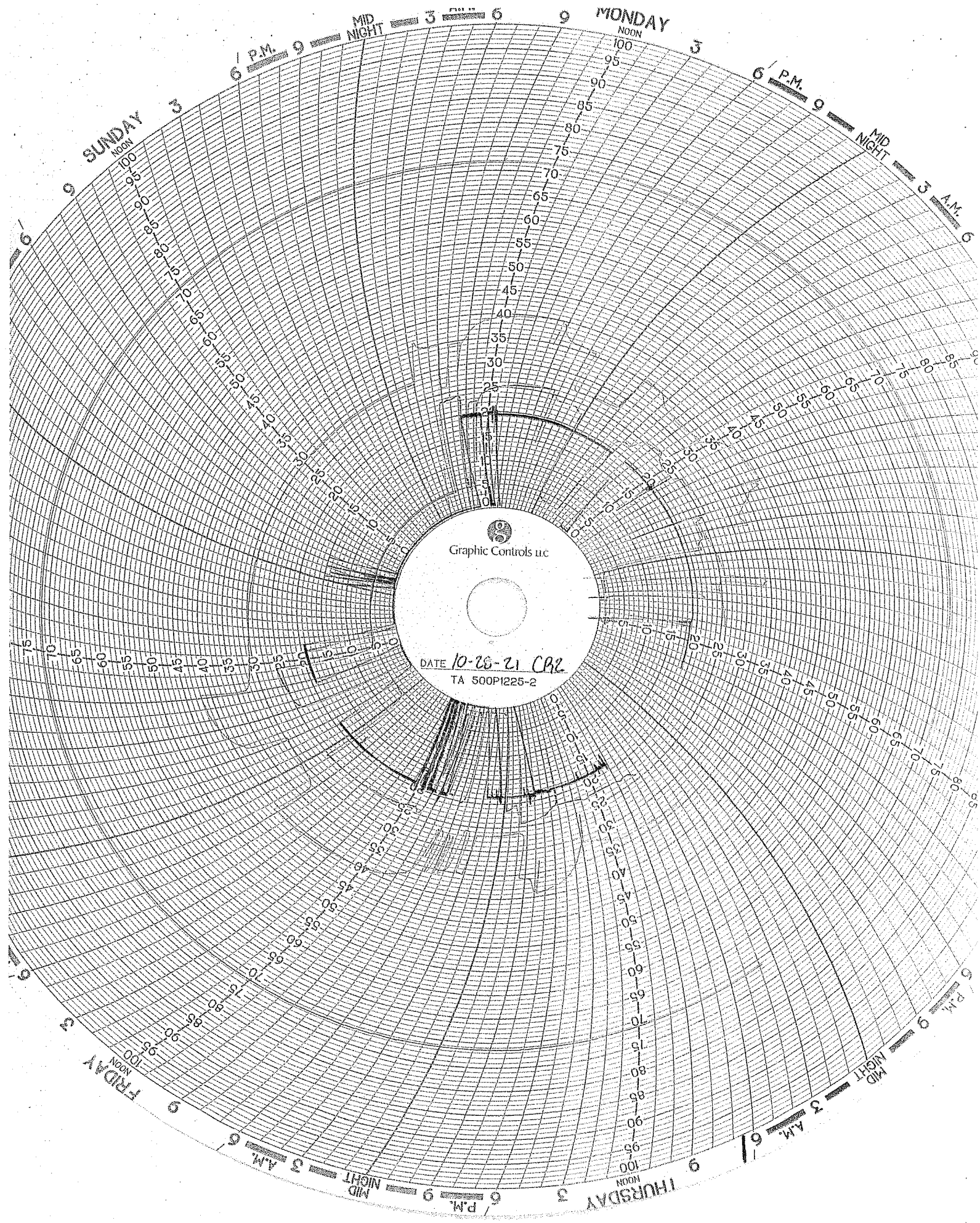
Graphic Controls LLC

DATE 10-12-21 CR2
TA 500PI225-2



Graphic Controls LLC

DATE 10-20-21 CRZ
TA 500PI225-2



Graphic Controls u.c.

DATE 10-26-21 CR2
TA 500P1225-2

Circle Chart Recorder #3

Circle chart recorder #3 is broken and a replacement is on order. Upon reception of a replacement recorder, installation will be performed by Utility Instrumentation Services. Circle chart recorders #1 and #2 have been replaced by Utility Instrumentation Services in September 2021. Continuous monitoring data is being recorded and backed up on a hard drive system. Upon request from the EPA the data can be accessed and provided for any reporting month. Otherwise, the data recorded every 10 seconds throughout the month would take 259,000 lines of data and more than 2000 extra pages to be added to this report.

CORROSION MONITORING

CORROSION MONITORING PLAN

COUPON SUMMARY

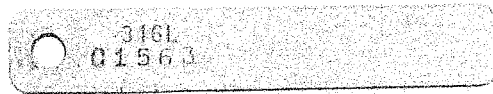
Date	Hastelloy (C267)	Stainless Steel (316L)	Fiberglass (Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 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	New stainless steel coupon
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	
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	New Fiberglass coupon
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	
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	9.350	17.273	

Date: 11/03/2021
Material: C1563 / 316L
Weight: 9.350 g.



Date: 11/03/2021
Material: C276 5
Weight: 13.277 g.



Date: 11/03/2021
Material: Fiberglass
Weight: 17.273 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.



AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Progress Through Innovation, Technology and Customer Satisfaction

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



*Certificate Numbers 255.01 & 255.02

An A2LA ISO 17025 Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02
ISO 9001:2008 Registered

ISO 9001:2008
Registered

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Fax (330) 794-6610 | Worldwide (330) 794-6600



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.

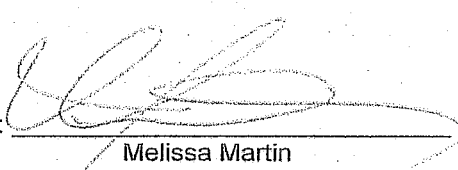
BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

Results

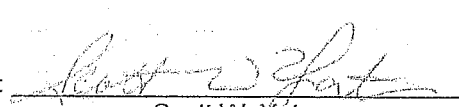
Barcol Hardness, Instant

96

Prepared By:


Melissa Martin
Sr. Project Technician

Approved By:


Scott W. Yates
Plastics Testing Assistant Manager

tc



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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Progress Through Innovation, Technology and Customer Satisfaction

December 12, 2016

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 132662

SUBJECT: Barcol Hardness on one (1) material.

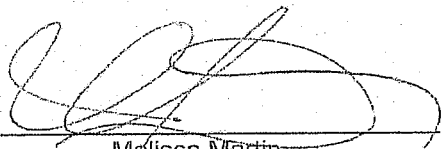
RECEIVED: One (1) small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

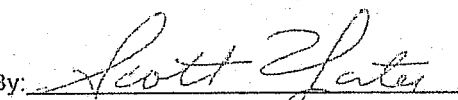
RESULTS

Barcol Hardness, Instant 96

Prepared By:


Melissa Martin
Senior Project Technician

Approved By:


Scott Yates
Plastics Testing, Assistant Manager

wk

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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

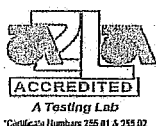
Prepared By:

Melissa Martin
Sr Project Technician

Approved By:

Jim Drummond
Rubber & Plastic Testing, Manager

Rev 041916



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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

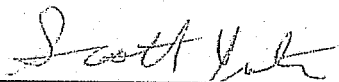
Barcol Hardness, Instant

96

Prepared By:


Melissa Martin
Sr Project Technician

Approved By:


Scott Yates
Plastics Testing, Assistant Manager

sc

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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:

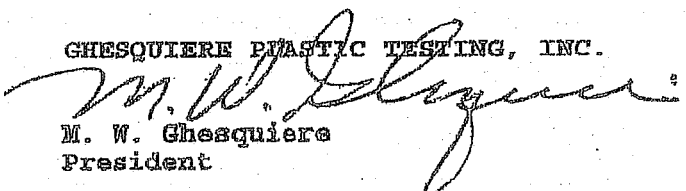
BARCOL HARDNESS

Hardness

Specimen 1	90
------------	----

Specimen is being returned with this report for further evaluation.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/kzi

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TOTAL 1 PAGES

Ghesquiere Plastic Testing, Inc.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3536
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 BY:

Ghesquiere Plastic Testing, Inc.

M. W. Ghesquiere
President

MWG/dm

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TOTAL 1 PAGES

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

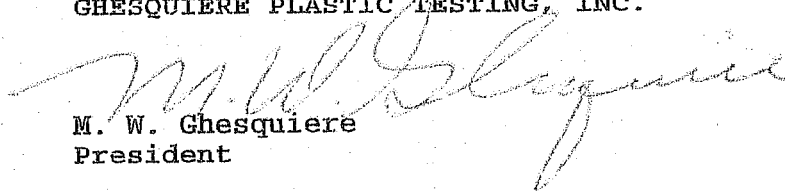
Hardness

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

An A2LA ISO 17025 Accredited Testing Laboratory — 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.

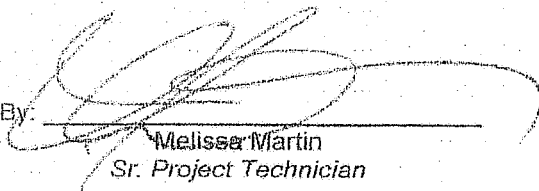
BARCOL HARDNESS ASTM D 2583-13a

Results

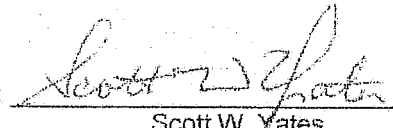
Barcol Hardness, Instant

97

Prepared By:


Melissa Martin
Sr. Project Technician

Approved By:


Scott W. Yates
Plastics Testing Assistant Manager

sf

BARCOL HARDNESS REPORT

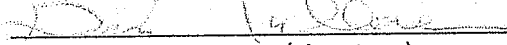
Customer: Republic Industrial and Energy Solutions, LLC

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 Date: 01/12/2021
(print or type name)

BARCOL HARDNESS REPORT

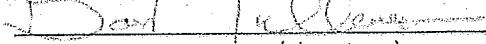
Customer: Republic Industrial and Energy Solutions, LLC

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

November 2021

Fiberglass Coupon

The coupon is dark orange (rust) in color with a semi-smooth texture on both sides. 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

There has been no apparent change to this coupon. Slight pitting is visible throughout coupon. There has been a significant volume of pumping to both Well #1 and Well #2. There has been no significant exposure to hazardous waste since October 2018.

MAINTENANCE

UIC Monthly Maintenance Log

10/12/2021	Well 1&2	Flow totalizers converted to analog
10/19/2021	Well 1&3	Injection pump 3 VFD flow meter converted to analog
10/26/2021	Well 1&2	Removed Injection pump 2 to be sent in for maintenance

INJECTION FINGERPRINTS

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-1-21
Receiving ID#	Z10012101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AV

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	1140
pH (S.U.)	10.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.9
Conductivity	19.28
% Solids	1.99
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-1-21
Receiving ID#	I10012102
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)	2140
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)	69.5
Conductivity	28.5 mS
% Solids	1.99
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-1-21
Receiving ID#	210012104
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.)	6.75
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.5
Conductivity	31.3 mS
% Solids	3.21
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.1.21
Receiving ID#	110012105
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.)	6.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.5
Conductivity	34.5 mS
% Solids	3.26
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	0.72
Lab Signature/Initials	

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-3-21
Receiving ID#	10032101
Manifest #	Line 2
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	SST-1
Transporter	
Time in	
Time out	
Received by	J.P.
Sampled by	J.P.

J.P.

10-3-21

J.P.

10032101

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
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)	72.4
Conductivity	34.4 uS
% Solids	3.00
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.P.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-2-21
Receiving ID#	710022102
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)	5140
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)	72.7
Conductivity	34.5 mS
% Solids	2.60
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-2-21
Receiving ID#	Z10022103
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)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
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)	72.7
Conductivity	29.7mS
% Solids	2.63
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10/2/21
Receiving ID#	E10622103
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)	2140
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)	72.7
Conductivity	35.1 ms
% Solids	3.34
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	1/3/21
Receiving ID#	110832101
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.)	1.90
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.00
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.7
Conductivity	23.8 mS
% Solids	0.49
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-4-21
Receiving ID#	F10042101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

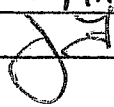
LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.8
Conductivity	35.3 uS
% Solids	2.60
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JH

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-4-21
Receiving ID#	I10042102
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.)	6.60
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	73.0
Conductivity	33.4 μ S
% Solids	3.53
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-4-21
Receiving ID#	I100421 03
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7146
pH (S.U.)	6.71
Cyanides? (mg/L)	630
Sulfides? (ppm)?	< 200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	73.2
Conductivity	34.2 ms
% Solids	1.78%
Turbidity	Yes (No)
Color	Brown
TSS (%)	2.1
Radiation Screen (as needed)	NEL
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-4-21
Receiving ID#	I10042104
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)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	6.73
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	73.3
Conductivity	31.8 ms
% Solids	1.5%
Turbidity	Yes (No)
Color	Brown
TSS (%)	<1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9-10-04-21
Receiving ID#	I10042105
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	1.96
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	73.3
Conductivity	17.75
% Solids	<0.1%
Turbidity	Yes (No)
Color	4.1 Light Brown
TSS (%)	<1
Radiation Screen (as needed)	NFG
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-5-21
Receiving ID#	I10050101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	1.93
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	<input checked="" type="radio"/> Yes <input type="radio"/> No
Oil in Sample?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Temperature (F)	73.3
Conductivity	14.47
% Solids	.26
Turbidity	Yes <input checked="" type="radio"/> No
Color	Light Brown
TSS (%)	2.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-5-21
Receiving ID#	I10052102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	JF.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	MA 6.73
Cyanides? (mg/L)	630
Sulfides? (ppm)?	6200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	73.6
Conductivity	31.7
% Solids	1.6%
Turbidity	Yes (No)
Color	Brown
TSS (%)	6.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-5-21
Receiving ID#	TI0052103
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	J.A.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
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)	73.3
Conductivity	34.2 nS
% Solids	2.01
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.M.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.5.21
Receiving ID#	210052104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.78
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.9
Conductivity	35.2
% Solids	2.25%
Turbidity	Yes No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	BO

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-5-21
Receiving ID#	I10052105
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	2.24
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.00
Physical Description	LLiquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	71.8
Conductivity	9.86
% Solids	.30%
Turbidity	Yes (No)
Color	Clear
TSS (%)	40.1
Radiation Screen (as needed)	NEG
Lab Signature/Initials	RO

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-6-21
Receiving ID#	I10062101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JW
Sampled by	JW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	8.77
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.2
Conductivity	36.8
% Solids	
Turbidity	Yes No
Color	Brown
TSS (%)	
Radiation Screen (as needed)	Neg
Lab Signature/Initials	BC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10/06/21
Receiving ID#	LI0062107
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:07
Time out	
Received by	JH
Sampled by	BO

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	6.80
Cyanides? (mg/L)	230
Sulfides? (ppm)?	1200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	72.8
Conductivity	34.7 μ S
% Solids	1.9%
Turbidity	Yes (No)
Color	Brown
TSS (%)	1.1
Radiation Screen (as needed)	NELN
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-6-21
Receiving ID#	I100621 03
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	JF

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	6.75
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes (No)
Temperature (F)	73.0
Conductivity	33.8
% Solids	1.22%
Turbidity	Yes (No)
Color	Brown
TSS (%)	2.1%
Radiation Screen (as needed)	NEL
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-6-21
Receiving ID#	I1006 2104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	AV

LAB INFORMATION	
Compatible? (RT#)	
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)	70.1
Conductivity	35.8 mS
% Solids	3.24
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.A.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-6-21
Receiving ID#	110062105
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.)	2.08
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.00
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	17.55ms
% Solids	0.43
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-7-21
Receiving ID#	210072101
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.)	2.02
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	16.77 mS
% Solids	0.43
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-7-21
Receiving ID#	IL10072102
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)	140
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)	10.1
Conductivity	33.9ms
% Solids	2.22
Turbidity	Yes No
Color	
TSS (%)	10.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-7-21
Receiving ID#	T100-72103
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	JM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.80
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	1.2 qu. d
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.4
Conductivity	34.3 μ S
% Solids	2.85
Turbidity	(Yes) No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	Neg.
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-7-21
Receiving ID#	I10072104 SS7-2
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)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	110
pH (S.U.)	6.65
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	1.2 g/mL
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.4
Conductivity	34.4 uS
% Solids	1.02
Turbidity	(Yes) No
Color	Brown
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-7-21
Receiving ID#	210072104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	AW

SSA-1

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	4.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.09
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.4
Conductivity	69.2 mS
% Solids	11.49
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.R.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-7-21
Receiving ID#	210072105
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
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.)	6.65
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.7
Conductivity	37.9ms
% Solids	3.53
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	G.D.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.8.21
Receiving ID#	I10082101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.71
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	5.51
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.10 1.10 J.71
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.5
Conductivity	76.7ms
% Solids	12.86
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.71

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-08-21
Receiving ID#	1100821 03
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.

SST-1

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	51.4
pH (S.U.)	5.60
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.10
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.4
Conductivity	69.0
% Solids	11.21
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-8-21
Receiving ID#	E10082102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.R.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2148
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)	70.4
Conductivity	32.2 μ S
% Solids	3.03
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.R.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-8-21
Receiving ID#	B10082116
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	DB

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	7.95
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.1
Conductivity	357 μ S
% Solids	2.04
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-8-21
Receiving ID#	I10082103
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
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.)	6.38
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.2
Conductivity	32.2 mS
% Solids	2.34
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-8-21
Receiving ID#	I10082104
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)	140
pH (S.U.)	6.45
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	33.4 mS
% Solids	2.31
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-9-21
Receiving ID#	I10092101
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.)	6.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	32.8 μS
% Solids	2.27
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-9-21
Receiving ID#	T10092102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	C.S.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	1.77
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.00
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	19.84 mS
% Solids	0.57
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.9.21
Receiving ID#	I10092103
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)	5140
pH (S.U.)	1.25
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	26.1
Conductivity	14.13.5
% Solids	0.23
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	10-11-21
Receiving ID#	I 101121021 J 10112101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J
Sampled by	J

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
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)	76.0
Conductivity	33.9 mS
% Solids	2.19
Turbidity	Yes No
Color	
TSS (%)	10.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-11-21
Receiving ID#	110112102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.P.
Sampled by	J.P.
LAB INFORMATION	
Compatible? (RT#)	Y
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)	20.1
Conductivity	33.2 mS
% Solids	2.39
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.P.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-11-21
Receiving ID#	I10112103
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	J.N.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
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)	76.4
Conductivity	33.7 mS
% Solids	2.2)
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.11.21
Receiving ID#	210112105
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)	>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)	70.5
Conductivity	29.7 μ S
% Solids	1.70
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	10-12-21
Receiving ID#	I1022101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(Signature)
Sampled by	(Signature)

LAB INFORMATION	
Compatible? (RT#)	X
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)	76.7
Conductivity	34.6 mS
% Solids	2.25
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	(Signature)

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-12-21
Receiving ID#	110122102
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.)	6-8.5
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	78.1
Conductivity	34.0ms
% Solids	2.88
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-11-21
Receiving ID#	2101121 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)	5140
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)	76.0
Conductivity	33.1ms
% Solids	2.36
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-12-21
Receiving ID#	E10122103
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)	>140
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)	71.2
Conductivity	30.2 μ S
% Solids	1.68
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	10-13-21
Receiving ID#	2101321 01
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)	>140
pH (S.U.)	7.88
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.4
Conductivity	43.3 μ S
% Solids	2.19
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-12-21
Receiving ID#	I10122108
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.A.
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	2.17
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.4
Conductivity	57.05
% Solids	3.70
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.A.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-12-21
Receiving ID#	Z10122104
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)	2140
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)	70.4
Conductivity	30.7ms
% Solids	2.58
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-13-21
Receiving ID#	FI0132102
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#)	4
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
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)	76.6
Conductivity	34.5 mS
% Solids	2.19
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10132103
Receiving ID#	
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	MA

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	6.88
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.0
Conductivity	35.2 ms
% Solids	3.02
Turbidity	Yes (No)
Color	Brown
TSS (%)	2.1
Radiation Screen (as needed)	NEL
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.15.21
Receiving ID#	T10132104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	6.81 - 6.32 MA
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.2
Conductivity	31.5
% Solids	1.84
Turbidity	Yes No
Color	Brown
TSS (%)	<.1
Radiation Screen (as needed)	N/A
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.13.21
Receiving ID#	T10132105
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	1.98
Cyanides? (mg/L)	630
Sulfides? (ppm)?	6200
Specific Gravity	1.08
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.8
Conductivity	53.8
% Solids	< 1% L. + M
Turbidity	Yes (No)
Color	Light Brown
TSS (%)	1.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-14-21
Receiving ID#	I10142101 - SST1
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)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	1.83
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.03
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.2
Conductivity	55.1
% Solids	3.77
Turbidity	Yes (No)
Color	Colorless
TSS (%)	2.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-14-21
Receiving ID#	I10142102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	6.64
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.7
Conductivity	33.3
% Solids	1.67%
Turbidity	Yes (No)
Color	Brown
TSS (%)	<1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-14-21
Receiving ID#	10142103
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	MA

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	6.71
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.8
Conductivity	34.2
% Solids	1.42%
Turbidity	Yes (No)
Color	Brown
TSS (%)	0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-14-21
Receiving ID#	I10M2104 SST-1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	MA

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	7.92
Cyanides? (mg/L)	<20
Sulfides? (ppm)?	<200
Specific Gravity	1.08
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.5
Conductivity	122.7 ms
% Solids	9.17%
Turbidity	Yes (No)
Color	colorless
TSS (%)	<1%
Radiation Screen (as needed)	AKG
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-15-21
Receiving ID#	210157101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	✓
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	1.52
Cyanides? (mg/L)	630
Sulfides? (ppm)?	2200
Specific Gravity	1.00
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.7
Conductivity	34.5
% Solids	0.83%
Turbidity	Yes (No)
Color	colorless
TSS (%)	2.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-15-21
Receiving ID#	110152102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	J. F.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	6.60
Cyanides? (mg/L)	230
Sulfides? (ppm)?	200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.0
Conductivity	29.7
% Solids	
Turbidity	Yes No
Color	Light Brown
TSS (%)	2.1%
Radiation Screen (as needed)	Neg
Lab Signature/Initials	J. F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-14-21
Receiving ID#	710142108
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	1.53
Cyanides? (mg/L)	290
Sulfides? (ppm)?	2200
Specific Gravity	1.00
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	70.4
Conductivity	32.7
% Solids	
Turbidity	Yes (No)
Color	Colorless
TSS (%)	1.1%
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-15-21
Receiving ID#	I10152103
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#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140
pH (S.U.)	7.1 (6.6)
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.3
Conductivity	29.8 mS
% Solids	1.72
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-18-21
Receiving ID#	D10182102
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#)	
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)	64.7
Conductivity	24.0 mS
% Solids	1.44
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	10.16.21
Receiving ID#	110162101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	148
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)	64.5
Conductivity	26.1
% Solids	1.39
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-16-21
Receiving ID#	10162102
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)	> 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)	64.6
Conductivity	24.9 mS
% Solids	1.47
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-16-21
Receiving ID#	I1016 2103
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)	> 148
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)	64.6
Conductivity	21.4 mS
% Solids	1.58
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-15-21
Receiving ID#	I10152104
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.)	6.88
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.7
Conductivity	26.2 μ S
% Solids	1.85
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-15-21
Receiving ID#	I10152105
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.)	2.14
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	40.7 mS
% Solids	2.63
Turbidity	Yes No
Color	
TSS (%)	(0.1)
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-18-21
Receiving ID#	I10182101
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)	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)	64.4
Conductivity	21.6 mS
% Solids	1.18
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-19-21
Receiving ID#	DI0192167
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.90
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	30.3 mS
% Solids	2.47
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-19-21
Receiving ID#	2101921 01
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.)	1.70
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.2
Conductivity	24.6ms
% Solids	0.87
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-18-21
Receiving ID#	210182105
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	RW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	2.06
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	32.4 mS
% Solids	1.65
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.18.21
Receiving ID#	I10182104
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.)	J.T.) 8.54 6.90
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	27.7-5
% Solids	1.60
Turbidity	Yes No
Color	
TSS (%)	< 2.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.)

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-18-21
Receiving ID#	210182163
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.)	6.87
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	25.8 mS
% Solids	1.94
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-19-21
Receiving ID#	I10192103
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.)	6.87
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	73.0
Conductivity	31.7 ~5
% Solids	1.54
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JH

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-19-21
Receiving ID#	I 1019 2104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.P.
Sampled by	AL

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	1.52
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.8
Conductivity	39.0 mS
% Solids	1.05
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.P.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.19.21
Receiving ID#	I10192105
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.)	5.57
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.3
Conductivity	41.4 mS
% Solids	1.90
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-20-21
Receiving ID#	710202101
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)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	5.89
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.1
Conductivity	41.2ms
% Solids	2.11
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.J.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-20-21
Receiving ID#	10202102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	B

ST-2

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)	72.2
Conductivity	29.2ms
% Solids	2.56
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	10-20-21
Receiving ID#	I 10202103 - SST1
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	MA

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	1.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.1
Conductivity	17.99 mS
% Solids	0.58
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	10-20-21
Receiving ID#	110202105
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)	> 140
pH (S.U.)	5.1
Cyanides? (mg/L)	12.21
Sulfides? (ppm)?	
Specific Gravity	1.15
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.8
Conductivity	154.5 mS
% Solids	20.05
Turbidity	Yes No
Color	
TSS (%)	0.10
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.20.21
Receiving ID#	210202104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	(S.J.)
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	12.26
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.15
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.7
Conductivity	154.9ms
% Solids	17.80
Turbidity	Yes No
Color	
TSS (%)	0.25
Radiation Screen (as needed)	
Lab Signature/Initials	(S.J.)

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10.21.21
Receiving ID#	I10212101
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)	>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)	68.8
Conductivity	28.1ms
% Solids	2.30
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	10-21-21
Receiving ID#	I10212102
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	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.3
Conductivity	29.3 mS
% Solids	1.44
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.M.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-21-21
Receiving ID#	110212103
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)	>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)	65.0
Conductivity	28.9 nS
% Solids	1.56
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	10-21-21
Receiving ID#	210212104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	DW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
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)	65.0
Conductivity	31.2 mS
% Solids	1.83
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. J.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-22-21
Receiving ID#	10222101
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)	>140
pH (S.U.)	1.15
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	
Conductivity	21.5 mS
% Solids	1.88
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	10-22-21
Receiving ID#	110222102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.R.
Sampled by	J.R.

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)	53.3
Conductivity	31.5 mS
% Solids	1.72
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.R.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-22-21
Receiving ID#	10222103
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.)	6.90
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.9
Conductivity	29.3 mS
% Solids	1.69
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-25-21
Receiving ID#	I10252102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H. / M.A.
Sampled by	J.H. / M.A.

SST-1

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	12.14
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.08
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.7
Conductivity	> 1000 mS
% Solids	7.4%
Turbidity	Yes (No)
Color	colorless
TSS (%)	2.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H. / M.A.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-23-21
Receiving ID#	I10232101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	MA

LAB INFORMATION	
Compatible? (RT# 4)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	7140
pH (S.U.)	6.96
Cyanides? (mg/L)	230
Sulfides? (ppm)?	2200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	66.4
Conductivity	476,000 ms
% Solids	0.69%
Turbidity	Yes No
Color	Brown
TSS (%)	0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-22-21
Receiving ID#	IL0222165
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	7.15
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.01
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	66.8
Conductivity	>10,000 μ S
% Solids	1.17%
Turbidity	Yes (No)
Color	Brown
TSS (%)	<0.1%
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-22-21
Receiving ID#	T10222104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	MA
Sampled by	DM

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	N/A
Flash Point (F)	>140
pH (S.U.)	7.16
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<1000
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	65.5
Conductivity	>10,000 ms
% Solids	1.14%
Turbidity	Yes (No)
Color	Brown
TSS (%)	2.1%
Radiation Screen (as needed)	Neg
Lab Signature/Initials	MA

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-25-21
Receiving ID#	JH 110252101 I 10252101
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)	> 148
pH (S.U.)	8.10
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.5
Conductivity	> 1000 μ S
% Solids	1.82
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	10-26-21
Receiving ID#	210262101
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)	>140
pH (S.U.)	12.34
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.10
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.8
Conductivity	>1000 ms
% Solids	12.54
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	10-26-21
Receiving ID#	I10262102
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.)	6.93
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.1
Conductivity	>1000 mS
% Solids	1.94
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-25-21
Receiving ID#	210252103
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)	2140
pH (S.U.)	12.32
Cyanides? (mg/L)	530 J.T.
Sulfides? (ppm)?	
Specific Gravity	1.10
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.8
Conductivity	11000 μ S
% Solids	13.55
Turbidity	Yes No
Color	
TSS (%)	6.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-26-21
Receiving ID#	I10262103
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.)	6.74
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.3
Conductivity	> 1000 ns
% Solids	1.95
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-26-21
Receiving ID#	Z10262104
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.)	12.35
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.10
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.8
Conductivity	102.7 mS
% Solids	12.80
Turbidity	Yes No
Color	
TSS (%)	3.5
Radiation Screen (as needed)	
Lab Signature/Initials	J.P.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-27-21
Receiving ID#	I10272101
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)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	3.91
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.5
Conductivity	73.6 mS
% Solids	4.27
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.J.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-27-21
Receiving ID#	I10272102
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.)	6.71
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.6
Conductivity	33.1 mS
% Solids	227
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JH

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-27-21
Receiving ID#	10272103
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)	1140
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)	677
Conductivity	32.8mS
% Solids	6.52
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-21-21
Receiving ID#	110 21 2104
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)	7140
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)	68.7
Conductivity	37.2 us/cm
% Solids	2.48
Turbidity	Yes No
Color	
TSS (%)	2.01
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-28-21
Receiving ID#	I10282101
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#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	5.68
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	70.3ms
% Solids	1.54
Turbidity	Yes No
Color	
TSS (%)	2.04
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-28-21
Receiving ID#	F10282103
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	S. J. AS/Chem
Client	
Transporter	
Time in	
Time out	
Received by	S. J.
Sampled by	J. A.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	1.79
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.6
Conductivity	35.2
% Solids	1.66
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. A.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-28-21
Receiving ID#	FI0-28-2102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.N.
Sampled by	J.N.

LAB INFORMATION	
Compatible? (RT#)	X
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	3140
pH (S.U.)	3.42
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	167.0
Conductivity	31.5 mS
% Solids	2.13
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.N.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-29-21
Receiving ID#	I10292101
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)	
pH (S.U.)	8.54
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.09
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.6
Conductivity	1273
% Solids	11.71
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.H.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-28-21
Receiving ID#	2102821 OS
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.)	6.68
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	34.40 mS
% Solids	2.20
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	10.28.21
Receiving ID#	I10282104
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)	
pH (S.U.)	2.09
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.1
Conductivity	41.8 ms
% Solids	2.72
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-29-21
Receiving ID#	110292103
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.)	6.72
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.1
Conductivity	33.1 mS
% Solids	2.27
Turbidity	Yes No
Color	
TSS (%)	20.4
Radiation Screen (as needed)	
Lab Signature/Initials	J.T.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-29-21
Receiving ID#	I10292104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JT
Sampled by	AW

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	1140
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)	68.1
Conductivity	33.5 mS
% Solids	2.06
Turbidity	Yes No
Color	
TSS (%)	10.1
Radiation Screen (as needed)	
Lab Signature/Initials	JT

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-30-21
Receiving ID#	I10302101
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.P.
Sampled by	TE

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)	67.8
Conductivity	30.3 μ S
% Solids	2.07
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.P.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10-30-21
Receiving ID#	F103-2102
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	TG

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
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)	67.7
Conductivity	30.4 ms
% Solids	1.78
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	J.F.

WASTE PROFILES



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 64402134156	Expiration Date 10/5/2022	
I. Decision Request:	<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change		
Disposal Facility: 6440 - Detroit Industrial Well			
Generator Name: ASHTA CHEMICAL			
Generator Site Address: 3509 MIDDLE ROAD			
City: ASHTABULA	County: <input type="text"/>	State: OH	Zip: <input type="text"/>
Name of Waste: MERCURY BRINE WATER			
Estimated Annual Volume: 10,000 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: 10/6/2021

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: 10-6-21

Name (Printed): John Fros

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILEProfile # 64402134156**GENERATOR INFORMATION**Name: ASHTA CHEMICAL USEPA ID # OHD980793301Facility Address: 3509 MIDDLE ROAD SIC/NAICS Code: State Code: _____City: ASHTABULA State: OH Zip Code: 44004Contact: BRITTANY JOHNSON Title: _____ Phone: (440) 997-6881 Fax: () _____**BILLING INFORMATION**☐ SAME AS ABOVECompany Name: ENVIROSERVE INCAddress: 4600 BROOKPARK ROADCity: CLEVELAND State: OH Zip Code: 44134Attention: CRAIG KING Title: _____ Phone: (440) 842-1311 Fax: () _____**WASTE INFORMATION**Name of Waste/Common Chemical Name:
MERCURY BRINE WATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

MERCURY CONTAMINATED BRINE WATER USED IN THE PRODUCTION OF CHLORINE**USEPA / STATE WASTE IDENTIFICATION**1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)3. List ALL Applicable Waste Codes: D009**PHYSICAL CHARACTERISTICS OF WASTE**

Color: <input checked="" type="checkbox"/> White/Clear <input checked="" 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 <input type="text"/>	
---	---	---	--	--

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% (1ST EACH CONSTITUENT <= 0.1%)

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
WATER	90	100	POTASSIUM SULFATE	0	5
SODIUM/POTASSIUM CHLORIDE	0	20			
SODIUM/POTASSIUM HYPOCHLORITE	1	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
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 type="checkbox"/> <0.2	ppm >0.2
				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 1
 3. DOT Shipping Name HAZARDOUS WASTE, LIQUID, N.O.S. Hazard Class 9 UN/NA NA3082
 PG III ERG 171 Hazardous Constituents for "n.o.s." MERCURY
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 10000 6. Anticipated Volume / Units per Year: _____ 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: Brittany Johnson Title: Env. Supervisor
 Generator's Signature: [Signature] Date: 10-5-21

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 281-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 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



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
64402134156

Expiration Date
10/5/2022

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: ASHTA CHEMICAL

Generator Site Address: 3509 MIDDLE ROAD

City: ASHTABULA

County:

State: OH

Zip:

Name of Waste: MERCURY BRINE WATER

Estimated Annual Volume: 10,000 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: 10/6/2021

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: 10/6/2021

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # 64402134156

GENERATOR INFORMATION

Name: ASHTA CHEMICAL USEPA ID # OHD980793301
Facility Address: 3509 MIDDLE ROAD SIC/NAICS Code: State Code:
City: ASHTABULA State: OH Zip Code: 44004
Contact: BRITTANY JOHNSON Title: Phone: (440) 997-6881 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: ENVIROSERVE INC
Address: 4600 BROOKPARK ROAD
City: CLEVELAND State: OH Zip Code: 44134
Attention: CRAIG KING Title: Phone: (414) 642-1311 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:
MERCURY BRINE WATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~MERCURY CONTAMINATED BRINE WATER USED IN THE PRODUCTION OF CHLORINE~~

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: D009

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input checked="" 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 <u> </u>	
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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

WATER	90	100	%	POTASSIUM SULFATE	0	5	%
SODIUM/POTASSIUM CHLORIDE	0	20	%				%
SODIUM/POTASSIUM HYPHCLORITE	1	5	%				%

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 type="checkbox"/> <0.2	ppm >0.2
						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 1
 3. DOT Shipping Name HAZARDOUS WASTE, LIQUID, N.O.S. Hazard Class 9 UN/NA NA3082
 PG III ERG 171 Hazardous Constituents for "n.o.s." MERCURY
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 10000 6. Anticipated Volume / Units per Year: _____ 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: Brittany Johnson Title: Env. Supervisor
 Generator's Signature: [Signature] Date: 10-5-21

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



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

FAX

INCOMPLETE FILE TRANSMITTAL

TO: Samantha Barrera

LOG NO.: 64402134156

FAX:

File Received: 10/4/2021

From: Special Waste Dept.

Response Date: 10/4/2021

Re: ASHTA CHEMICAL / MERCURY BRINE WATER

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 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"/> Trichlorethylene	<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:

Please have the generator provide a value for the VOC concentration in the Physical Characteristics of Waste section of the profile. Also in this same section at the top of page 2 of the profile the generator indicated TCLP lab analysis was performed, please have the generator include this documentation with the profile.
Thank you, Stephen

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # 64402134156

GENERATOR INFORMATION

Name: ASHTA CHEMICAL USEPA ID # OHD980793301

Facility Address: 3509 MIDDLE ROAD SIC/NAICS Code: State Code:

City: ASHTABULA State: OH Zip Code: 44004

Contact: BRITTANY JOHNSON Title: Phone: (440) 997-6881 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: ENVIROSERVE INC

Address: 4600 BROOKPARK ROAD

City: CLEVELAND State: OH Zip Code: 44134

Attention: CRAIG KING Title: Phone: (614) 642-1311 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:

MERCURY BRINE WATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~MERCURY CONTAMINATED BRINE WATER USED IN THE PRODUCTION OF CHLORINE~~**USEPA / STATE WASTE IDENTIFICATION**1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)

3. List ALL Applicable Waste Codes: D009

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input checked="" 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
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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 Cup

VOC CONCENTRATION - 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

WATER	90	100	%	POTASSIUM SULFATE	0	5	%
SODIUM/POTASSIUM CHLORIDE	0	20	%				%
SODIUM/POTASSIUM HYPOCHLORITE	1	5	%				%

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 checked="" type="checkbox"/> <5	ppm 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 type="checkbox"/> <0.2	ppm >0.2 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 1
 3. DOT Shipping Name HAZARDOUS WASTE, LIQUID, N.O.S. Hazard Class 9 UN/NA NA3082
 PG III ERG 171 Hazardous Constituents for "n.o.s." MERCURY
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 10000 6. Anticipated Volume / Units per Year: _____ 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: Ashleigh Dennis Title: Env. Tech.

Generator's Signature: Ashleigh Dennis Date: 10-1-21

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



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
64402133962

Expiration Date
9/29/2022

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: AJAX METAL PROCESSING

Generator Site Address: 4851 BELLEVUE

City: DETROIT

County:

State: MI

Zip:

Name of Waste: ZINC/NICKEL PLATING BATH

Estimated Annual Volume: 48,000 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: 9/30/2021

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):

JOHN FROST

Date:

10.13.21

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 INFORMATIONName: Ajax Metal Processing USEPA ID # MID005320031Facility Address: 4651 Bellevue SIC/NAICS Code: _____ State Code: _____City: Detroit State: MI Zip Code: 48207Contact: Alexandria Muench Title: Process Engineer Phone: (313) 267-2100 Fax: () _____**BILLING INFORMATION**☐ SAME AS ABOVECompany Name: Environmental Equipment Enterprises, Inc. (3E, Inc.)Address: 7065 E 8 Mile Rd.City: Warren State: MI Zip Code: 48091Attention: Molly McElanaghan molly@3eengineering.com Title: Manager Phone: (888) 756-4570 x101 Fax: () _____**WASTE INFORMATION**

Name of Waste/Common Chemical Name:

Zinc/Nickel plating bath

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~Automotive metal parts plating. Zinc/Nickel plating bath—excess from plating line~~**USEPA / STATE WASTE IDENTIFICATION**1. This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste2. Regulated by TSCA? ☐ Yes ☒ No (PCBs, etc.)3. List ALL Applicable Waste Codes: D002 D007**PHYSICAL CHARACTERISTICS OF WASTE**

Color: <input type="checkbox"/> White/Clear <input checked="" 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 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 - N/A PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (1ST EACH CONSTITUENT <>1= 0.1%)

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
Mixed Amines	0.01	1	Sodium Hydroxide	13	16
Nickel Sulphate	.2	.3	Water (balance)	80	90
Surfactant	1	2	Tri-Chrome	0	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 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 type="checkbox"/> 11	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm 5-100 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 Waste, Corrosive Liquids, Basic, Inorganic, n.o.s.

Hazard Class 8 UN/NA 3266

PG III ERG 171 Hazardous Constituents for "n.o.s." Chrom, Sodium Hydroxide

4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes

5. Number of Units to Ship Now 12,000 gallons

6. Anticipated Volume / Units per Year: 48,000 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 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: Alexandria Muench

Title: Process and Environmental Engineer

Generator's Signature: Alexandria Muench

Date: 10/13/2021

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. grab 2. at tank
 SAMPLING METHOD COLLECTION POINT

3. Tom McClanaghan, Manager, 3E, Inc.
 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 #
64402133962

Expiration Date
9/29/2022

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: AJAX METAL PROCESSING

Generator Site Address: 4651 BELLEVUE

City: DETROIT

County:

State: MI

Zip:

Name of Waste: ZINC/NICKEL PLATING BATH

Estimated Annual Volume: 48,000 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: 9/30/2021

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: 9/30/2021

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile #

64402133962

GENERATOR INFORMATION

Name: Ajax Metal Processing USEPA ID # MID005320031
Facility Address: 4651 Bellevue SIC/NAICS Code: State Code:
City: Detroit State: MI Zip Code: 48207
Contact: Alexandria Muench Title: Process Engineer Phone: (313) 267-2100 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: Environmental Equipment Enterprises, Inc. (3E, Inc.)
Address: 7065 E 8 Mile Rd.
City: Warren State: MI Zip Code: 48091
Attention: Molly McClanaghan molly@3eengineering.com Title: Manager Phone: (586) 756-4570 x101 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Zinc/Nickel plating bath

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~Automotive metal parts plating. Zinc/Nickel plating bath excess from plating 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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" 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 <u> </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 - N/A 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
Enviralloy NIB	4	4	Caustic/Sodium Hydroxide	13	16
Enviralloy NID	.3	.3	Water (balance)	80	83
Enviralloy NiR	1	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					
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 type="checkbox"/>	20 ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/> <5	ppm 800
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 ☐ 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 100 (Cr, NnOH)
- DOT Shipping Name Waste, Corrosive Liquids, Basic, Inorganic, n.o.s. (Zinc, Nickel) Hazard Class 8 UN/NA 3266
- PG III ERG 171 Hazardous Constituents for "n.o.s." Chrome, Sodium Hydroxide
- Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
- Number of Units to Ship Now 12,000 gallons 6. Anticipated Volume / Units per Year: 48,000 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: Alexandria Muench Title: Process Engineer
 Generator's Signature: Alexandria Muench Date: 9/29/21

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.

- grab 2 at tank
- SAMPLING METHOD COLLECTION POINT
- Tom McClanaghan, Manager, 3E, Inc.
- SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

- 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

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9-28-21
Receiving ID#	Zr Ni B07h
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Alex Dotsell
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	C. J. M.

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	11.97
Cyanides? (mg/L)	< 30
Sulfides? (ppm)?	< 200
Specific Gravity	1.21
Physical Description	liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	83.2
Conductivity	> 1000 mS
% Solids	17.10
Turbidity	(Yes) No
Color	Purple
TSS (%)	< 0.1
Radiation Screen (as needed)	None
Lab Signature/Initials	(J.M.)

See Attached Lab Notes



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
64402134320

Expiration Date
10/4/2022

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: KIEWIT

Generator Site Address: 4400 RIVER RD

City: EAST CHINA

County:

State: MI

Zip:

Name of Waste: NONHAZARDOUS AND NONREGULATED WASTEWATER

Estimated Annual Volume: 14,000 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: 10/7/2021

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: 10/7/2021

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 # 64402134320**GENERATOR INFORMATION**

Name: KIEWIT USEPA ID # N/A
Facility Address: 4400 River Rd SIC/NAICS Code: State Code: _____
City: East China State: MI Zip Code: 48054
Contact: Ryan Donahue Title: Mechanical Lead Phone: (248) 245-2608 Fax: () _____

BILLING INFORMATION☐ SAME AS ABOVECompany Name: INTERNATIONAL POWER PROFESSIONALS, INC.Address: 20 LAKEFRONT COURTCity: COLUMBIA State: SC Zip Code: 29212Attention: KEVIN BURNS Title: VP Phone: (803) 732-8628 Fax: (803) 749-0120**WASTE INFORMATION**

Name of Waste/Common Chemical Name:

NONHAZARDOUS AND NONREGULATED WASTEWATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

SMALL NEW CONSTRUCTION BOILER FLUSH TO REMOVE DIRT, MANUFACTURING CONTAMINANTS, AND DEBRIS PRIOR TO PLACING THE BOILER IN OPERATIONAL SERVICE.**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: NONE APPLY

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 _____
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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 - SEE ATTACHED SAMPLE RESULTS L1101014 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
WATER	98	100			
TSP	0.01	1.0			
DSP	0.01	1.0			

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
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 Senslive ☐ 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 NONHAZARDOUS NONREGULATED WASTEWATER Hazard Class UN/NA
 PG _____ ERG _____ Hazardous Constituents for "n.o.s." _____
 4. Method of Shipment: ☐ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 3-4 6. Anticipated Volume / Units per Year: 14,000 GALLONS or ☐ One Time
 6. Special Handling Requirements including PPE: NONE

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: Ryan Donahue Title: Mechanical Lead

Generator's Signature: [Signature] Date: 10/4/2021

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



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
64402134320

Expiration Date
10/4/2022

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: KIEWIT

Generator Site Address: 4400 RIVER RD

City: EAST CHINA

County:

State: MI

Zip:

Name of Waste: NONHAZARDOUS AND NONREGULATED WASTEWATER

Estimated Annual Volume: 14,000 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: 10/7/2021

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: 10/7/2021

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILEProfile # 64402134320**GENERATOR INFORMATION**

Name: RIEWIT USEPA ID # N/A
Facility Address: 4400 River Rd SIC/NAICS Code: _____ State Code: _____
City: East China State: MI Zip Code: 48054
Contact: Ryan Donahue Title: Mechanical Lead Phone: (828) 245-2608 Fax: () _____

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: INTERNATIONAL POWER PROFESSIONALS, INC.
Address: 20 LAKEFRONT COURT
City: COLUMBIA State: SC Zip Code: 29212
Attention: KEVIN BURNS Title: VP Phone: (803) 732-8628 Fax: (803) 749-0120

WASTE INFORMATION

Name of Waste/Common Chemical Name:
NONHAZARDOUS AND NONREGULATED WASTEWATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

SMALL NEW CONSTRUCTION BOILER FLUSH TO REMOVE DIRT, MANUFACTURING CONTAMINANTS, AND DEBRIS PRIOR TO
PLACING THE BOILER IN OPERATIONAL SERVICE.X

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: NONE APPLY

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 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 CupVOC CONCENTRATION - SEE ATTACHED SAMPLE RESULTS L1404014 PPM (MUST BE COMPLETED)

TOTAL COMPOSITION OF WASTE - MUST BE EQUAL TO OR GREATER THAN 100% (1ST EACH CONSTITUENT <= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

WATER	98	100	%			%
TSP	0.01	1.0	%			%
DSP	0.01	1.0	%			%

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 checked="" type="checkbox"/>	<5	ppm	0.0165	ppm
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	<input checked="" type="checkbox"/>	<100	ppm	0.0143	ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input checked="" type="checkbox"/>	<1	ppm	ND	ppm
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/>	<5	ppm	ND	ppm
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input checked="" type="checkbox"/>	<5	ppm	ND	ppm
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/>	<0.2	ppm	ND	ppm
						Selenium (Se)	D010	<input type="checkbox"/>	<1	ppm	0.0116	ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/>	<5	ppm	ND	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 NONHAZARDOUS NONREGULATED WASTEWATER Hazard Class _____ UN/NA _____

PG _____ ERG _____ Hazardous Constituents for "h.o.s." _____

4. Method of Shipment: ☐ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes

5. Number of Units to Ship Now 3-4

6. Anticipated Volume / Units per Year: 14,000 GALLONS or ☒ One Time

6. Special Handling Requirements including PPE: _____

NONE

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: Ryan Donahue

Title: Mechanical Lead

Generator's Signature: [Signature]

Date: 10/4/2021

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

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10/1/21
Receiving ID#	Bod Out Water
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	NuTek
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.)	7.44
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.00
Physical Description	liquid
Stream Consistency	(Yes) No
Oil in Sample?	Yes (No)
Temperature (F)	72.1
Conductivity	1.342 mS
% Solids	0.21
Turbidity	Yes (No)
Color	colorless
TSS (%)	<0.1
Radiation Screen (as needed)	Neg.
Lab Signature/Initials	J.H.



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

	Waste Profile # 64402134536	Expiration Date 10/11/2022	
I. Decision Request:	<input checked="" type="checkbox"/> Initial	<input type="checkbox"/> Recertification	<input type="checkbox"/> Change
Disposal Facility: 6440 - Detroit Industrial Well			
Generator Name: ROYAL CHEMICAL CO			
Generator Site Address: 1336 CROWE RD			
City: EAST STROUDSBURG	County: <input type="text"/>	State: PA	Zip: <input type="text"/>
Name of Waste: WASTE WATER			
Estimated Annual Volume: 40,000 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: 10/12/2021

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: 10/12/2021

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 PROFILE

Profile # 64402134536

GENERATOR INFORMATION

Name: ROYAL CHEMICAL CO USEPA ID # PAR000551168
Facility Address: 1336 CROWE RD SIC/NAICS Code: State Code: 325811
City: EAST STROUDSBURG State: PA Zip Code: 18301
Contact: MARK ROGERS Title: DIR OF OPS Phone: () 570-421-7850 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: ENVIROSERVE
Address: 4600 BROOKPARK ROAD
City: CLEVELAND State: OH Zip Code: 44134
Attention: JOE MENKHAUS Title: PRJ MGR Phone: () 216-6421-311 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:
WASTE WATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

WASTE WATER FROM TANK RINSING BETWEEN CHEMICAL MANUFACTURING BATCHES. NO LISTED WASTE CODES APPLY.**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: D004

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 checked="" 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 - <0.1% 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
WATER	90	99	INORGANIC ACID	0	1
NON-HAZ DYES	0	5	ALCOHOL	0	0.1
SODIUM & POTASSIUM HYDROXIDE	0	1	SURFACTANT	0	1

Metals: Indicate if this waste contains any of the following metals
If Generator knowledge-provide backup ☒ Lab Analysis ☒ Generator Knowledge

Not Concentration		Not Concentration					
Present		Present					
PCB	<input checked="" type="checkbox"/> ppm	Aromatic Amine	<input checked="" type="checkbox"/> ppm	Arsenic (As)	D004	<input type="checkbox"/> <5	ppm <100 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 checked="" type="checkbox"/> <5	ppm 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, HAZARDOUS WASTE, LIQUID, N.O.S. Hazard Class 9 UN/NA NA3082
PG III ERG 171 Hazardous Constituents for "n.o.s." ARSENIC
4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☒ Rail Car ☐ Drums ☐ Toies
5. Number of Units to Ship Now 40,000 GALLONS 6. Anticipated Volume / Units per Year: TBA / DEPENDS or ☐ One Time
6. Special Handling Requirements including PPE:
PROTECT FROM LOW LEVEL ARSENIC

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: Kelly Lense Title: DOTS DIRECTOR
Generator's Signature: Kelly Lense Date: 10/11/2021


GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATOR'S 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. GRAB 2. FRAC TANK / TEMPORARY STORAGE
SAMPLING METHOD COLLECTION POINT

3. JOSEPH D. MENKHAUS, PROJECT MANAGER, ENVIROSERVE
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
	10-5-2021	9:30 AM			



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
64402134536

Expiration Date
10/11/2022

I. Decision Request:

☒ Initial ☐ Recertification ☐ Change

Disposal Facility: 6440 - Detroit Industrial Well

Generator Name: ROYAL CHEMICAL CO

Generator Site Address: 1336 CROWE RD

City: EAST STROUDSBURG

County:

State: PA

Zip:

Name of Waste: WASTE WATER

Estimated Annual Volume: 40,000 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: 10/12/2021

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: 10/12/2021

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174, Telephone 734 946 1000; Fax 734 946 1002

GENERATOR WASTE PROFILE

Profile # 64402134536

GENERATOR INFORMATION

Name: ROYAL CHEMICAL CO USEPA ID # PAR000551168
Facility Address: 1336 CROWE RD SIC/NAICS Code: State Code: 325611
City: EAST STROUDSBURG State: PA Zip Code: 18301
Contact: MARK ROGERS Title: DIR OF OPS Phone: () 570-421-7850 Fax: ()

BILLING INFORMATION☐ SAME AS ABOVE

Company Name: ENVIROSERVE
Address: 4600 BROOKPARK ROAD
City: CLEVELAND State: OH Zip Code: 44134
Attention: JOE MENKHAUS Title: PRJ MGR Phone: () 216-6421-311 Fax: ()

WASTE INFORMATION

Name of Waste/Common Chemical Name:
WASTE WATER

Process Generating Waste (Please be specific, incomplete information may delay the approval process):

~~WASTE WATER FROM TANK RINSING BETWEEN CHEMICAL MANUFACTURING BATCHES. NO LISTED WASTE CODES APPLY.~~

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: D004

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 checked="" 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 - <0.1% 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

WATER	90	99	%	INORGANIC ACID	0	1	%
NON-HAZ DYES	0	5	%	ALCOHOL	0	0.1	%
SODIUM & POTASSIUM HYDROXIDE	0	1	%	SURFACTANT	0	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						
PCB	<input checked="" type="checkbox"/> ppm	Aromatic Amine	<input checked="" type="checkbox"/> ppm	Arsenic (As)	D004	<input type="checkbox"/> <5	ppm	<100	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 checked="" type="checkbox"/> <5	ppm		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, HAZARDOUS WASTE, LIQUID, N.O.S. Hazard Class 9 UN/NA NA3082
 PG III ERG 171 Hazardous Constituents for "n.o.s." ARSENIC
 4. Method of Shipment: ☒ Bulk Tanker ☒ Vac truck ☐ Rail Car ☐ Drums ☐ Totes
 5. Number of Units to Ship Now 40,000 GALLONS 6. Anticipated Volume / Units per Year: TBA / DEPENDS or ☐ One Time
 6. Special Handling Requirements Including PPE:
PROTECT FROM LOW LEVEL ARSENIC

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: Kelly Head Title: DOT DIRECTOR
 Generator's Signature: Kelly Head Date: 10/11/2021

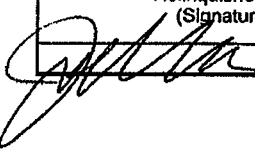
GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 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. GRAB 2. FRAC TANK / TEMPORARY STORAGE
 SAMPLING METHOD COLLECTION POINT

3. JOSEPH D. MENKHAUS, PROJECT MANAGER, ENVIROSERVE
 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
	10-5-2021	9:30 AM			

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10/05/2021
Receiving ID#	Pink Liquid
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Royal Chemical
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	Client

(Unlabeled)

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>146
pH (S.U.)	6.43
Cyanides? (mg/L)	230
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes (No)
Temperature (F)	72.3
Conductivity	19.98 mS
% Solids	2.20
Turbidity	Yes (No)
Color	Pink
TSS (%)	<0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	SO

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10/05/2021
Receiving ID#	Blue Liquid (unlabeled)
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Royal Chemical
Client	
Transporter	
Time in	
Time out	
Received by	JH
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.)	7.17
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.02
Physical Description	Liquid
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.7
Conductivity	17.81 mS
% Solids	3.03
Turbidity	Yes No
Color	Blue
TSS (%)	10.0
Radiation Screen (as needed)	Neg
Lab Signature/Initials	BOJ



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile # 64402134857		Expiration Date 3/19/2022	
I. Decision Request:		<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change	
Disposal Facility: 6440 - Detroit Industrial Well			
Generator Name: NETWORK MATERIALS & RESOURCES INC.			
Generator Site Address: 31 GOLDEN GATE COURT			
City: TORONTO		County: <input type="text"/>	State: ON Zip: <input type="text"/>
Name of Waste: BATTERY ACID			
Estimated Annual Volume: 800,000 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: [Signature]
Date: 10/25/2021

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: [Signature]
Date: 10/25/2021

Name (Printed): JOHN FROST

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 948 1000. Fax 734 948 1002

GENERATOR WASTE PROFILEProfile # 64402134857**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:
Battery Acid

Process Generating Waste (Please be specific; incomplete information may delay the approval process):

Battery Grushing

CA12317 sample ID MA 10/20/21

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, D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input 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 checked="" type="checkbox"/> Bi-Layered <input 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"/>
--	--	---	--

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
-------------	-----	-----	-------------	-----	-----

water	80	99			
sulfuric acid	10	20			
solids	0	3			

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 type="checkbox"/> <1	ppm	ppm	
Cyanides Total	<input checked="" type="checkbox"/> ppm	Fungicides	<input checked="" type="checkbox"/> ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/> <5	ppm	ppm	
Sulfides Reactive	<input checked="" type="checkbox"/> ppm			Lead (Pb)	D008	<input 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 10
 3. DOT Shipping Name UN2796, Sulphuric Acid less than 51% Waste Hazard Class 8 UN/NA 2796
 PG II ERG 157 Hazardous Constituents for "n.o.s." _____
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☒ Totes
 5. Number of Units to Ship Now 30,000 USG 6. Anticipated Volume / Units per Year: 800,000 USG 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: Mike Aston

Title: General Manager

Generator's Signature: Mike Aston

Date: 15-10-2021

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. grab 2. tank
 SAMPLING METHOD COLLECTION POINT
 3. Mike Aston, Network
 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
<u>Mike Aston</u>	<u>oct 8, 2021</u>				



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
64402134857

Expiration Date
3/19/2022

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: BATTERY ACID

Estimated Annual Volume: 800,000 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: 10/25/2021

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: 10/25/2021

Name (Printed): _____

Republic Industrial and Energy Solutions, LLC

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

GENERATOR WASTE PROFILEProfile # 64402134857**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:
Battery Acid

Process Generating Waste (Please be specific; incomplete information may delay the approval process):

~~Battery Crushing~~

CA12317 sample ID MA 10/20/21

USEPA / STATE WASTE IDENTIFICATION

- This waste is considered to be: ☐ Non Hazardous Liquid Industrial Waste ☒ Hazardous Waste
- Regulated by TSCA? ☒ Yes ☐ No (PCBs, etc.)
- List ALL Applicable Waste Codes: D002, D006, D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input 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 checked="" type="checkbox"/> Bi-Layered <input 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"/>
--	---	---	--

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% (1ST EACH CONSTITUENT <>1= 0.1%)

CONSTITUENT

MAX MIN

CONSTITUENT

MAX MIN

water	80	99		
sulfuric acid	10	20		
solids	0	3		

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 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 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 UN2796, Sulphuric Acid less than 51% Hazard Class 8 UN/NA 2796
 PG II ERG _____ Hazardous Constituents for "n.o.s." _____
 4. Method of Shipment: ☒ Bulk Tanker ☐ Vac truck ☐ Rail Car ☐ Drums ☒ Totes
 5. Number of Units to Ship Now 30,000 USG 6. Anticipated Volume / Units per Year: 800,000 USG 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: Mike Aston Title: General Manager

Generator's Signature: Mike Aston Date: 15-10-2021

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. grab 2. tank

SAMPLING METHOD

COLLECTION POINT

3. Mike Aston, Network

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
<u>Mike Aston</u>	<u>oct 8, 2021</u>				



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

FAX

INCOMPLETE FILE TRANSMITTAL

TO: Samantha Barrera

LOG NO.: 64402134857

FAX:

File Received: 10/19/2021

From: Special Waste Dept.

Response Date: 10/19/2021

Re: NETWORK MATERIALS & RESOURCES INC. / BATTERY ACID

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 checked="" 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 checked="" 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 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"/> Trichlorethylene	<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:

Generator needs to complete testing within 1 year for ongoing waste streams. Date on lab report is 6/3/19. New sample, testing and COC section of profile will need to be completed again.

If sample was ok, Generator needs to complete the Sample No. and correct the date in the generator's chain of custody record instructions section on the profile, initialed and dated. Lab report is 6/3/19 but section lists 10/8/21. Keith

Barrera, Samantha

From: DeMarr, Joshua
Sent: Thursday, October 21, 2021 8:29 AM
To: Barrera, Samantha
Subject: RE: New profile submission

The COC on the profile is for when we sample for fingerprint. The fingerprint is next page of the profile, and there is no sample number.

Josh DeMarr

Sales Manager - Industrial Wells
Environmental Solutions
10613 West Sam Houston Pkwy N. Suite 300
Houston, TX 77064
e jdemarr@republicservices.com
o 832-399-4524 c 281-744-9181
f 832-399-4599 w RepublicServices.com



We'll handle it from here."

From: Barrera, Samantha <SBarrera@republicservices.com>
Sent: Thursday, October 21, 2021 8:17 AM
To: DeMarr, Joshua <JDeMarr@republicservices.com>
Subject: RE: New profile submission

Please have the generator add the sample number and initial & date.

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative waste described in the above referenced GENERATORS WASTE PROFILE REPORT using an appropriate container. A re obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in th you have problems obtaining a representative sample of your waste, please contact your Republic Industrial & Energy Soluti representative.

1. grab 2. tank
 SAMPLING METHOD COLLECTION POINT

3. Mike Aston, Network
 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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	D
<i>Mike Aston</i>	oct 8, 2021			

From: DeMarr, Joshua <JDeMarr@republicservices.com>

Sent: Wednesday, October 20, 2021 5:38 PM

To: Barrera, Samantha <SBarrera@republicservices.com>

Subject: RE: New profile submission

Josh DeMarr

Sales Manager - Industrial Wells

Environmental Solutions

10613 West Sam Houston Pkwy N. Suite 300

Houston, TX 77064

e jdemarr@republicservices.com

o 832-399-4524 c 281-744-9181

f 832-399-4599 w RepublicServices.com



REPUBLIC
 SERVICES

We'll handle it from here."

From: Barrera, Samantha <SBarrera@republicservices.com>

Sent: Tuesday, October 19, 2021 4:50 PM

To: DeMarr, Joshua <JDeMarr@republicservices.com>

Cc: Rodriquez, Tom <TRodriquez@republicservices.com>; Johnston, Timothy <TJohnston@republicservices.com>

Subject: RE: New profile submission

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	10/14/21
Receiving ID#	Battery Acid
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	Network Mtl. Resources / ON, CA
Client	
Transporter	
Time in	
Time out	
Received by	J.M.
Sampled by	CLM

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	0.44
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.16
Physical Description	1.9250
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.2
Conductivity	>1000ms
% Solids	* 23.34
Turbidity	Yes No
Color	lt. Brown
TSS (%)	0.1
Radiation Screen (as needed)	Neg
Lab Signature/Initials	O.M.

* Probably less - due to Non-evaporation of H2SO4

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - K0L 2H0

Phone: 705-652-2000 FAX: 705-652-6365

19-March-2021

Network Environmental Services Inc

Attn : Mike Aston

Date Rec. : 09 March 2021

LR Report: CA12317-MAR21

31 Golden Gate Court

Scarborough, ON

M1P 3A4, Canada

Copy: #1

Phone: 416-299-0116

Fax:

CERTIFICATE OF ANALYSIS

Final Report

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: TC 221 H2SO4 SG 1.145
Sample Date & Time			Date:NA
Temp Upon Receipt [°C]	---	---	9.0
Acidity [mg/L as CaCO3]	12-Mar-21	11:15	244000
Cl [mg/L]	19-Mar-21	12:27	< 100
SO4 [mg/L]	19-Mar-21	15:45	220000
Ag (tot) [mg/L]	17-Mar-21	16:00	< 0.8
Al (tot) [mg/L]	17-Mar-21	16:00	46.8
As (tot) [mg/L]	17-Mar-21	16:00	< 0.1
Ba (tot) [mg/L]	17-Mar-21	16:00	0.010
Be (tot) [mg/L]	17-Mar-21	16:00	< 0.009
B (tot) [mg/L]	17-Mar-21	16:00	56.1
Bi (tot) [mg/L]	17-Mar-21	16:00	< 0.5
Ca (tot) [mg/L]	17-Mar-21	16:00	98
Cd (tot) [mg/L]	17-Mar-21	16:00	0.82
Co (tot) [mg/L]	17-Mar-21	16:00	0.09
Cr (tot) [mg/L]	17-Mar-21	16:00	2.51
Cu (tot) [mg/L]	17-Mar-21	16:00	12.7
Fe (tot) [mg/L]	17-Mar-21	16:00	105
K (tot) [mg/L]	17-Mar-21	16:00	4.12
Li (tot) [mg/L]	17-Mar-21	16:00	< 1
Mg (tot) [mg/L]	17-Mar-21	16:00	92.2
Mn (tot) [mg/L]	17-Mar-21	16:00	0.320
Mo (tot) [mg/L]	17-Mar-21	16:00	0.3
Na (tot) [mg/L]	17-Mar-21	16:00	1958
Ni (tot) [mg/L]	17-Mar-21	16:00	2.11
P (tot) [mg/L]	17-Mar-21	16:00	5.21
Pb (tot) [mg/L]	17-Mar-21	16:00	7.3

**SGS Canada Inc.**

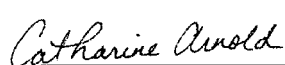
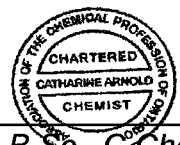
P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2H0

Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA12317-MAR21

Analysis	3: Analysis Completed Date	4: Analysis Completed Time	5: TC 221 H2SO4 SG 1.145
S (tot) [mg/L]	17-Mar-21	16:00	75293
Sb (tot) [mg/L]	17-Mar-21	16:00	28
Se (tot) [mg/L]	17-Mar-21	16:00	0.7
Si (tot) [mg/L]	17-Mar-21	16:00	19
Sn (tot) [mg/L]	17-Mar-21	16:00	7.4
Sr (tot) [mg/L]	17-Mar-21	16:00	< 0.002
Ti (tot) [mg/L]	17-Mar-21	16:00	< 0.05
Tl (tot) [mg/L]	17-Mar-21	16:00	< 0.9
U (tot) [mg/L]	17-Mar-21	16:00	< 1
V (tot) [mg/L]	17-Mar-21	16:00	0.06
W (tot) [mg/L]	17-Mar-21	16:00	< 0.1
Y (tot) [mg/L]	17-Mar-21	16:00	< 0.005
Zn (tot) [mg/L]	17-Mar-21	16:00	10.1



Catharine Arnold, B.Sc., C.Chem
Project Specialist,
Environment, Health & Safety