



REPUBLIC
SERVICES

28470 Catlin Drive Romulus, MI 48174
o 734 946 1000 republicservices.com

July 10th, 2023

Mr. Andrew Greenhagen
United States Environmental Protection Agency
Region 5 (WU-16J)
77 West Jackson Blvd.
Chicago, Illinois 60604

Re: RIES Monthly Report

Dear Mr. Andrew Greenhagen:

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

RIES accepted F039 waste in May of 2023 so as stated on page A-3 of 3 of RIES's two EPA UIC permits an analysis is required and is included in this report.

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

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

Sincerely,



John K. Frost

cc: Rick Sauve (Republic Services)

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2023

CURRENT REPORTING MONTH May

Date (month, year) of the first injection into either well at the Citrin Road Facility
November 2013

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
MI-163-1W-C010, Well #1-12			
Current Month	722,874	0	722,874
Since facility first injected			54,608,575
MI-163-1W-C011, Well #2-12			
Current Month	916,514	0	916,514
Since facility first injected			35,676,583
		Lifetime Combined	90,285,158

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 113

113 lifetime number of months of injection × 43,830 minutes/month
= 4,952,790 minutes of injection

Lifetime combined injected volume 90,285,158 ÷ 4,952,790 minutes of injection

= 18.2 gpm average injection rate

WELL 1 DATA



Injection Well 1, May 2023

	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
5/1/2023	89.4	937.8	19.0	19.1	804.8	1210.3	4.1	7.5	0.0	66.0	220.9	740.6
5/2/2023	135.7	940.2	19.0	19.1	837.8	1209.9	3.8	7.5	0.0	66.9	201.0	708.1
5/3/2023	159.5	939.8	19.0	19.1	840.3	1,196.6	2.3	7.6	0.0	58.4	234.0	681.2
5/4/2023	138.6	947.2	19.0	19.1	838.2	1,201.1	1.9	7.4	0.0	56.4	217.3	702.3
5/5/2023	165.0	940.0	19.0	19.1	850.1	1,222.6	1.7	7.2	0.0	61.5	237.6	698.5
5/6/2023	142.2	165.0	19.0	19.1	828.9	863.2	1.7	1.8	0.0	0.0	686.7	698.6
5/7/2023	136.9	142.4	19.1	19.2	818.6	829.4	1.8	2.9	0.0	0.0	681.1	687.3
5/8/2023	134.4	940.1	19.1	19.2	815.6	1,261.1	1.8	7.6	0.0	59.8	259.2	682.5
5/9/2023	180.3	940.2	17.5	19.2	867.6	1,575.0	2.1	7.6	0.0	70.7	150.2	1031.6
5/10/2023	189.2	941.0	17.7	17.8	1,178.4	1,610.9	1.8	7.7	0.0	60.0	608.0	1018.4
5/11/2023	161.4	942.6	17.7	17.8	1,164.7	1,602.7	2.2	7.9	0.0	65.5	579.6	1021.7
5/12/2023	143.0	939.8	17.7	17.8	1,173.4	1,598.8	4.4	7.5	0.0	51.2	612.5	1,053.2
5/13/2023	161.7	940.2	17.7	17.8	1,102.2	1,516.0	1.6	7.3	0.0	66.4	485.3	1010.1
5/14/2023	149.4	161.9	17.7	17.8	1,101.5	1,119.2	5.8	6.0	0.0	0.0	952.0	958.2
5/15/2023	146.4	940.2	17.6	17.8	1,094.9	1,567.6	5.6	7.8	0.0	66.4	560.7	956.5
5/16/2023	144.1	940.5	17.7	17.8	1,133.7	1,549.1	3.2	7.4	0.0	69.4	587.1	1007.8
5/17/2023	8.9	939.7	17.7	17.8	1,080.9	1,547.8	3.2	7.6	0.0	67.9	512.2	1073.0
5/18/2023	174.9	944.1	17.6	17.7	1,110.4	1,499.6	1.7	7.2	0.0	77.2	503.7	949.6
5/19/2023	172.3	939.7	17.6	17.8	1,099.8	1,499.5	2.4	6.7	0.0	56.5	475.7	941.4
5/20/2023	141.6	172.4	17.6	17.7	1059.9	1,108.1	6.7	6.7	0.0	0.0	918.1	936.0
5/21/2023	129.9	141.9	17.6	17.7	1041.9	1,060.2	6.7	6.8	0.0	0.0	911.7	918.6
5/22/2023	125.5	939.0	17.6	17.8	1,037.1	1,486.5	6.5	6.9	0.0	56.4	476.6	937.6
5/23/2023	134.1	939.7	17.7	17.8	1,048.5	1,473.8	1.4	7.4	0.0	77.3	482.8	927.4
5/24/2023	97.8	940.5	17.7	17.8	1038.3	1,520.8	1.5	7.5	0.0	83.1	479.8	967.7
5/25/2023	45.8	940.1	17.6	17.7	1034.5	1478.9	2.9	7.4	0.0	83.0	452.1	1001.6
5/26/2023	179.3	940.5	17.6	17.8	1062.1	1449.6	2.2	7.0	0.0	74.7	457.1	891.2
5/27/2023	167.7	940.1	17.6	17.7	1005.1	1359.6	0.6	3.7	0.0	64.8	377.8	880.6
5/28/2023	149.2	167.9	17.6	17.8	995.9	1014.3	2.9	3.0	0.0	0.0	846.0	848.4
5/29/2023	140.2	149.5	17.7	17.8	981.5	996.2	2.9	3.2	0.0	0.0	841.1	847.0
5/30/2023	137.6	940.7	17.7	17.8	977.0	1455.7	1.8	7.1	0.0	81.2	408.7	877.2
5/31/2023	171.4	940.1	17.7	17.8	1027.6	1484.8	2.5	6.9	0.0	75.5	446.6	891.4

Circle Chart Index

Republic Industrial Energy Solutions, LLC 29470 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

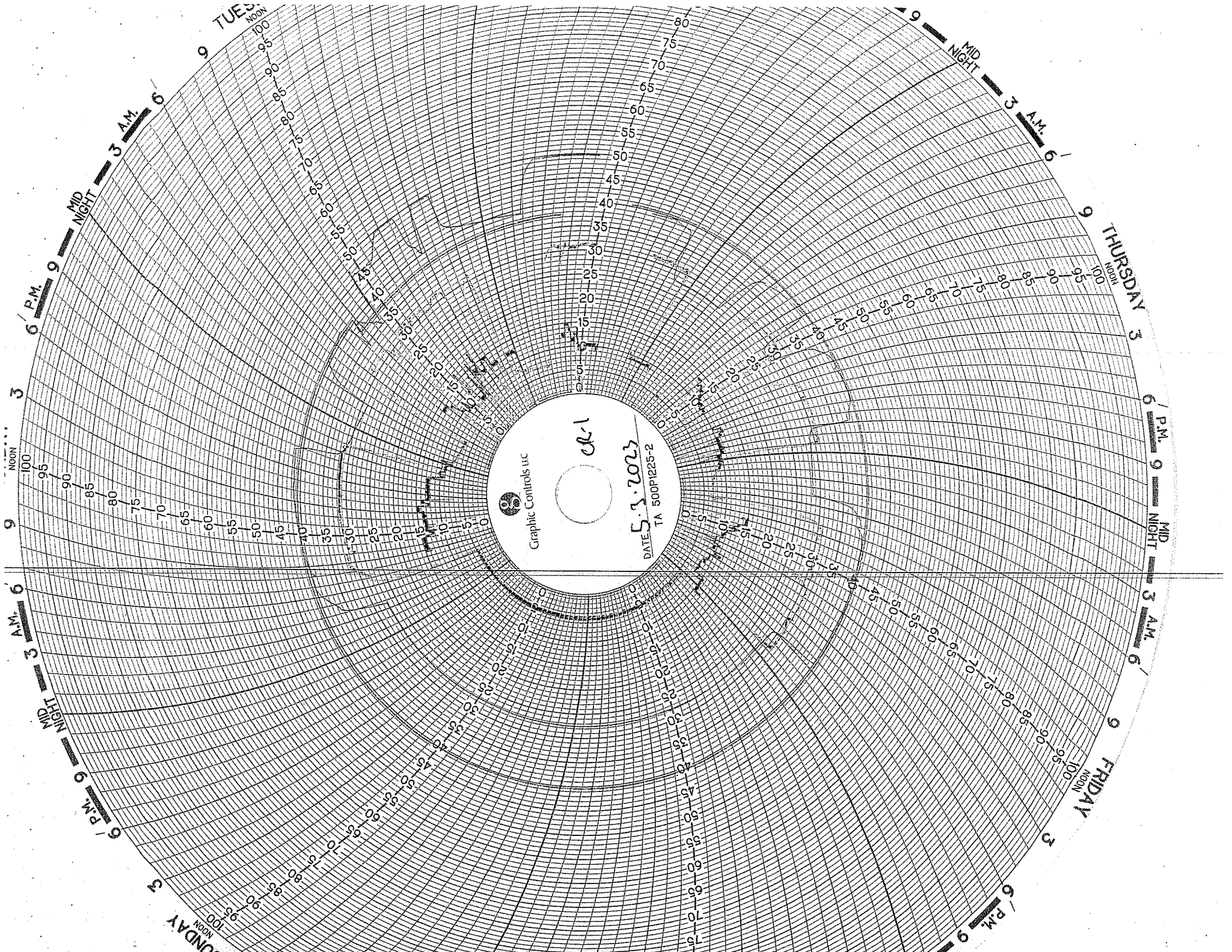
Red Pen --- Well 1 Monthly Volume (chart value x 100,000)

Channel #3

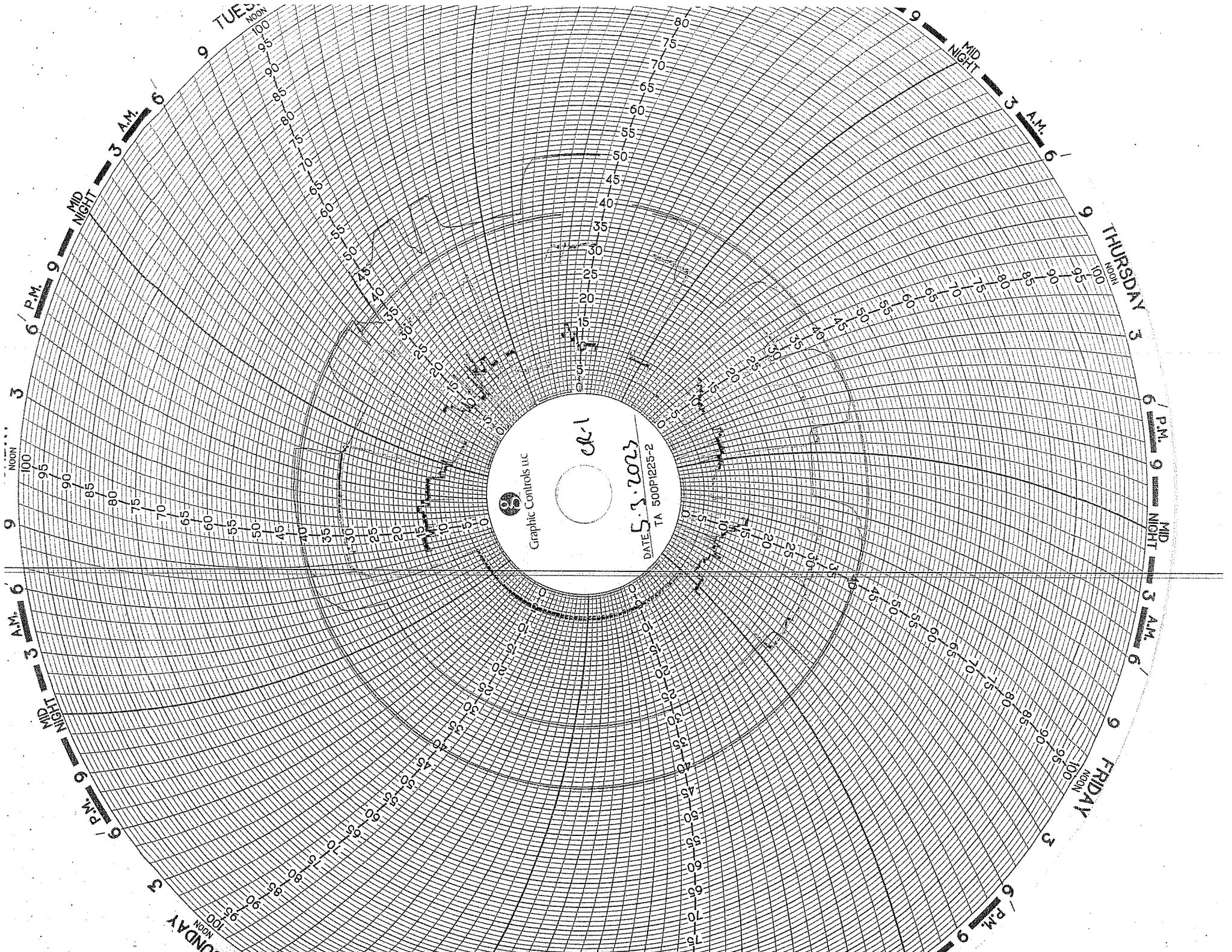
Green Pen --- Well 2 Monthly Volume (chart value x 100,000)

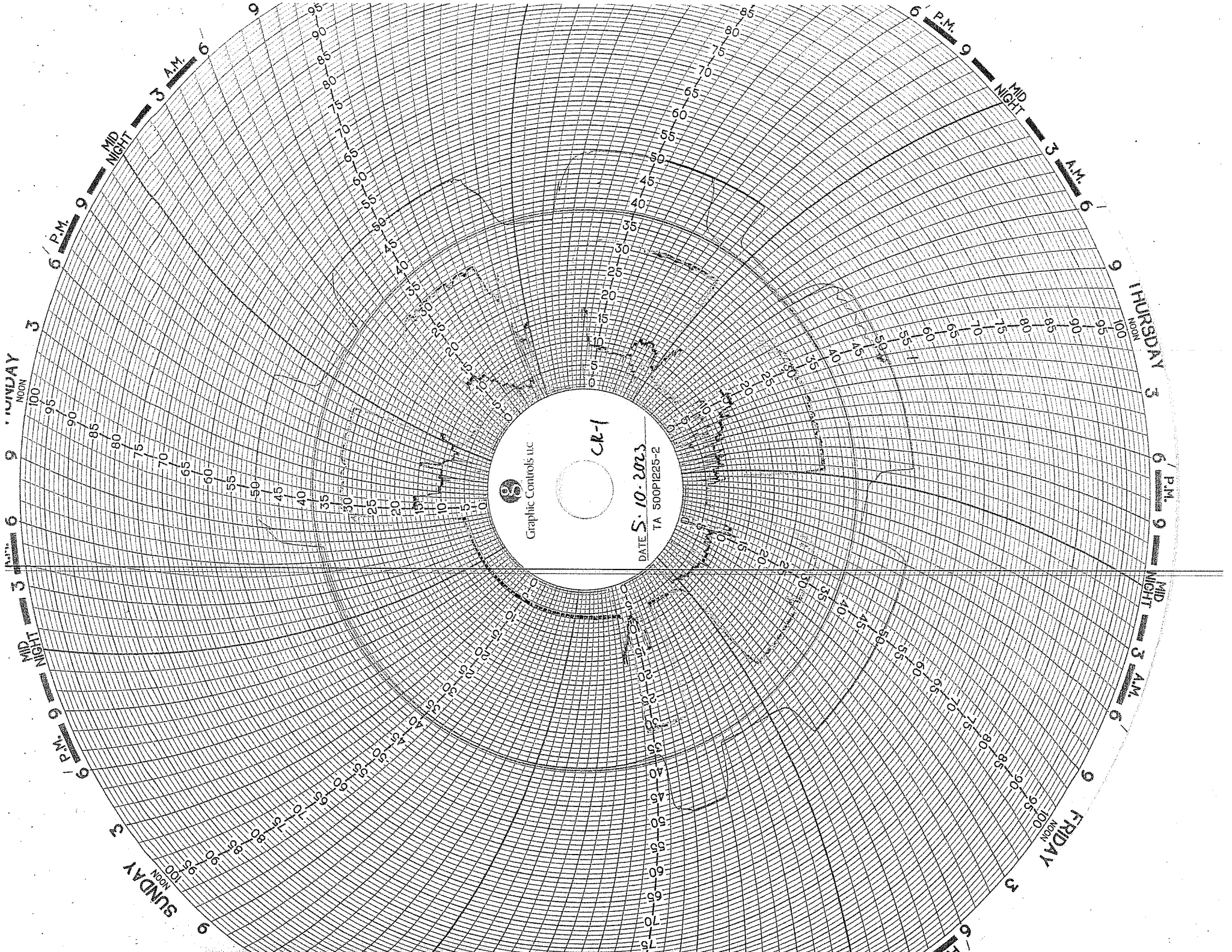
channel 7m

Black Pen --- Temperature (chart value x 0)



Graphic Controls LLC
ck-1
DATE 5.9.2023
TA 500P1225-2





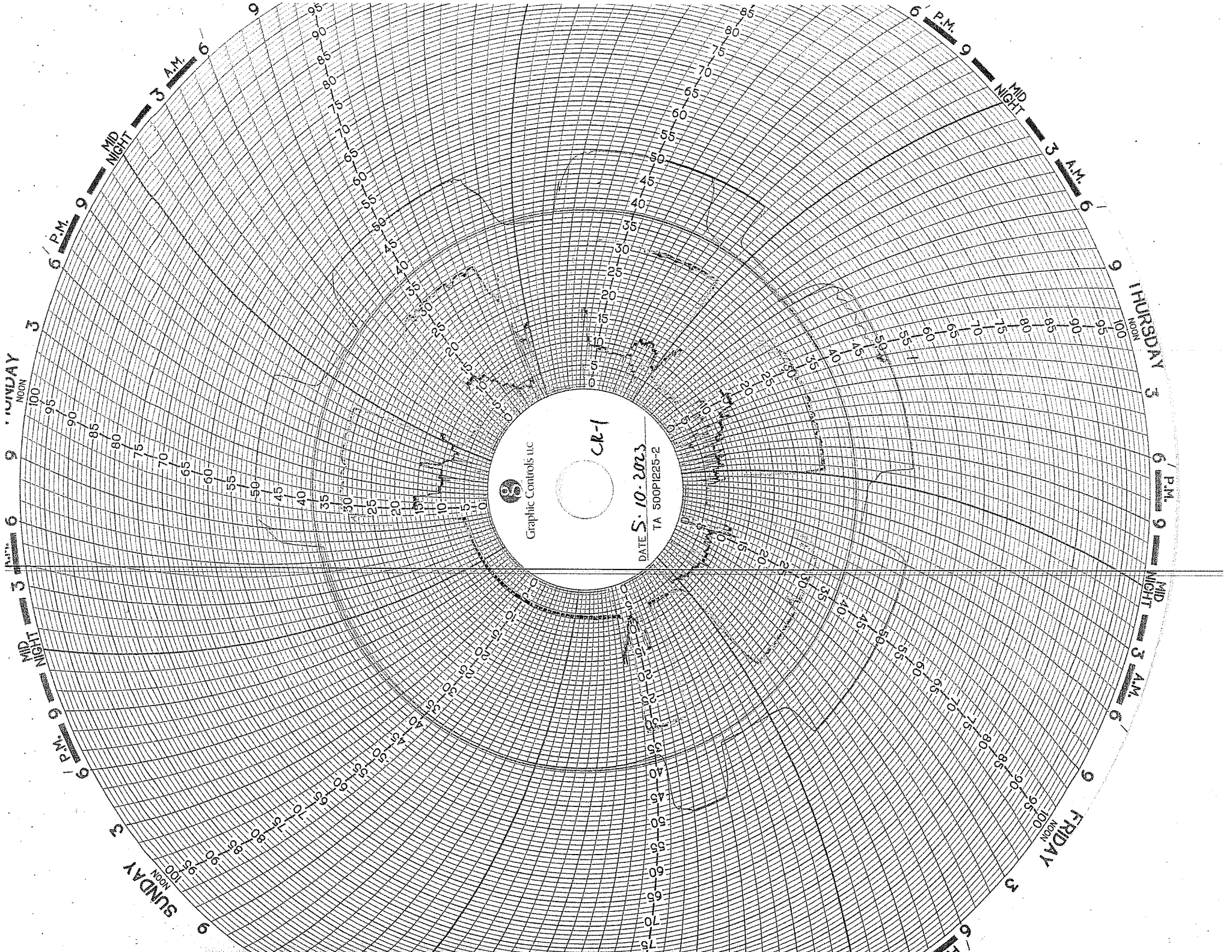
Graphic Controls LLC
CR-1
DATE 5-10-2023
TA 500P125-2

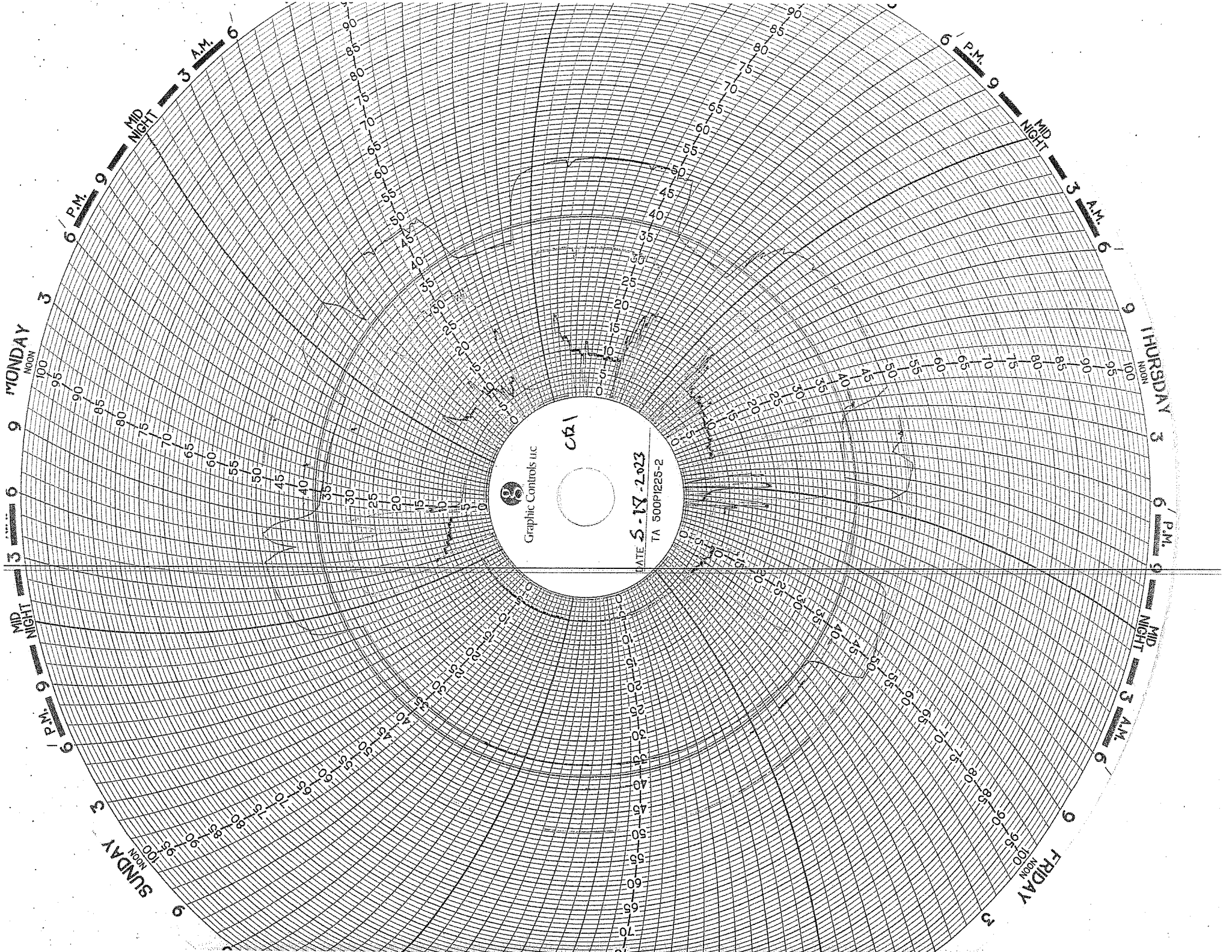
WEDNESDAY
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THURSDAY

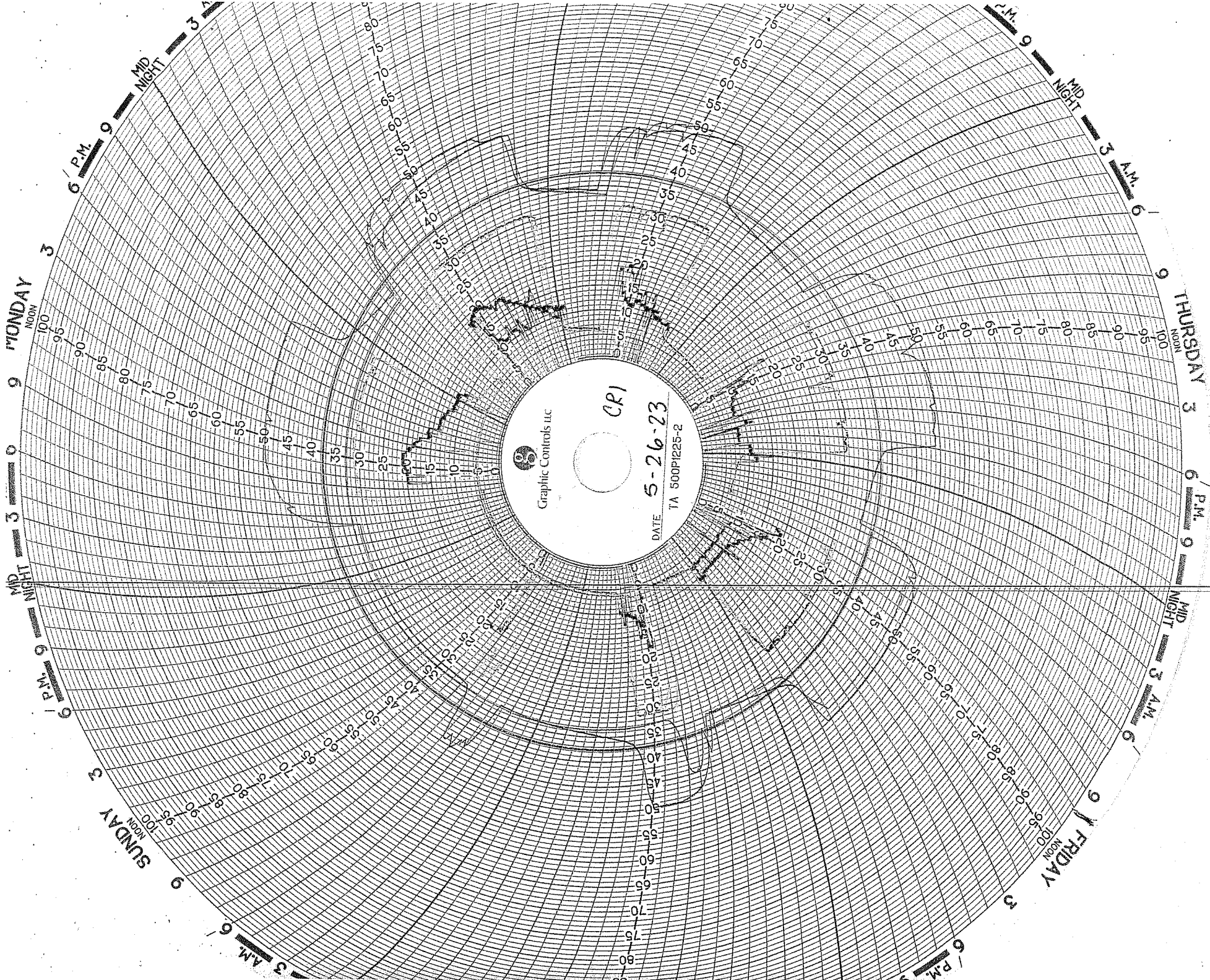
FRIDAY

SUNDAY





Graphic Controls Inc
DATE 5-17-2023
TA 500P1225-2
C61



Graphic Controls LLC
CRI
DATE 5-26-23
TA 500P1225-2

MONDAY
NOON

THURSDAY
NOON

SUNDAY
NOON

FRIDAY
NOON

6 P.M.

3 A.M.

MID NIGHT

MID NIGHT

MID NIGHT

MID NIGHT

6 P.M.

3 A.M.

3 A.M.

6 P.M.

WELL 2 DATA



Injection Well 2, May 2023

	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
5/1/2023	156.9	908.4	29.7	29.8	1102.8	1466.3	4.1	7.5	0.0	76.5	490.0	969.9
5/2/2023	172.4	951.3	29.7	29.8	1081.0	1484.4	3.8	7.5	0.0	75.3	491.3	948.7
5/3/2023	197.7	940.5	29.7	29.8	1134.7	1,475.5	2.3	7.6	0.0	74.6	503.3	937.2
5/4/2023	-3.1	946.0	29.7	29.8	1134.0	1,482.5	1.9	7.4	0.0	80.2	462.1	1141.8
5/5/2023	200.4	950.3	29.7	29.8	1,138.0	1,522.4	1.7	7.2	0.0	75.3	537.8	937.7
5/6/2023	188.1	298.6	29.8	29.9	1134.6	1,198.5	1.7	1.8	0.0	0.0	899.6	946.9
5/7/2023	163.1	188.2	29.8	29.9	1,122.6	1,134.9	1.8	2.9	0.0	0.0	946.3	959.6
5/8/2023	159.0	949.1	29.8	30.0	1,120.2	1,585.6	1.8	7.6	0.0	78.9	586.9	978.9
5/9/2023	187.9	948.6	29.9	30.0	1174.7	1,569.6	2.0	7.6	0.0	81.2	426.5	990.3
5/10/2023	189.8	950.3	29.8	30.0	1,166.4	1,614.8	1.8	7.7	0.0	80.7	614.9	981.5
5/11/2023	237.6	949.6	29.9	30.0	1,185.6	1,627.0	2.2	7.9	0.0	83.4	588.6	948.3
5/12/2023	211.4	942.8	29.9	30.0	1,201.4	1,622.6	4.4	7.5	0.0	76.6	637.1	1,014.5
5/13/2023	188.9	934.7	29.9	30.0	1,148.0	1,533.1	1.6	7.3	0.0	80.7	503.3	1019.8
5/14/2023	184.0	223.6	29.8	30.0	1,134.9	1,154.1	5.8	6.0	0.0	0.0	930.2	951.3
5/15/2023	175.2	951.0	29.8	29.9	1,129.1	1,616.8	5.6	7.8	0.0	79.4	621.0	1011.1
5/16/2023	142.3	952.5	29.9	30.0	1,166.5	1,606.5	3.2	7.4	0.0	71.7	644.0	1038.9
5/17/2023	6.8	945.3	29.8	29.9	1,116.3	1,612.7	3.2	7.6	0.0	67.7	564.9	1110.0
5/18/2023	173.0	949.9	29.7	29.9	1,156.2	1,558.3	1.7	7.2	0.0	77.5	569.8	991.6
5/19/2023	170.3	939.7	29.7	29.9	1,149.1	1,567.0	2.4	6.7	0.0	66.5	536.1	994.4
5/20/2023	139.6	170.6	29.8	29.9	1121.4	1,160.6	6.7	6.7	0.0	0.0	981.1	990.3
5/21/2023	128.0	140.0	29.7	29.9	1110.4	1,121.7	6.7	6.7	0.0	0.0	981.1	982.8
5/22/2023	124.9	939.3	29.8	29.9	1,107.9	1,582.4	6.5	6.9	0.0	70.2	565.6	1013.8
5/23/2023	132.1	948.2	29.8	29.9	1,126.1	1,572.1	1.4	7.4	0.0	76.6	575.6	1004.6
5/24/2023	95.8	952.5	29.9	29.9	1121.7	1,628.4	1.5	7.5	0.0	83.4	605.0	1069.3
5/25/2023	43.5	942.9	29.8	29.9	1143.6	1588.0	2.9	7.4	0.0	85.1	558.7	1109.7
5/26/2023	177.3	949.7	29.7	29.9	1161.1	1562.9	2.2	7.0	0.0	81.4	564.2	987.5
5/27/2023	165.9	933.6	29.8	29.9	1102.9	1447.2	0.6	3.7	0.0	65.8	493.4	986.6
5/28/2023	147.4	166.2	29.8	29.9	1110.5	1121.3	2.9	3.0	0.0	0.0	954.8	963.4
5/29/2023	138.3	147.8	29.8	29.9	1103.3	1111.0	2.9	3.2	0.0	0.0	962.6	965.3
5/30/2023	135.9	946.5	29.8	30.0	1101.2	1600.1	1.8	7.1	0.0	87.9	578.3	1007.0
5/31/2023	169.6	940.8	29.9	30.0	1156.9	1642.9	2.5	6.9	0.0	82.8	607.4	1028.7

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)

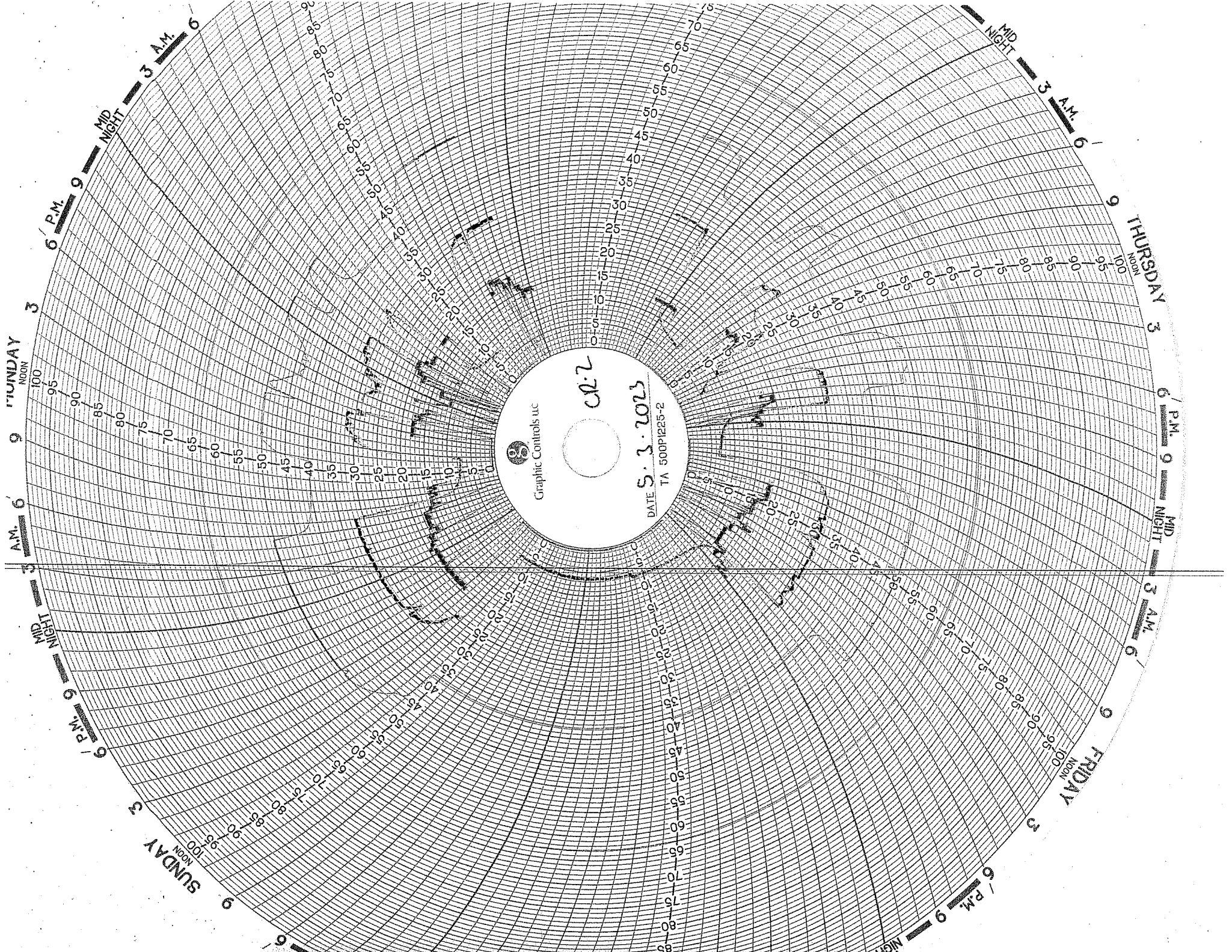
Channel #3

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

Channel #4

Black Pen --- Temperature (chart value x 0)

Regarding circle chart recorder #2 for the month of May; on May 18th the chart recorder paper was replaced, When the operator replaced the chart the recording pens were not set into place completely and no data was recorded for that week. The following week it was noticed, and the issue was resolved for the subsequent weeks.



Graphic Controls LLC
CR-2
DATE 5.3.2023
TA 500P1225-2

SUNDAY
NOON

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P.M.

MID
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SUNDAY
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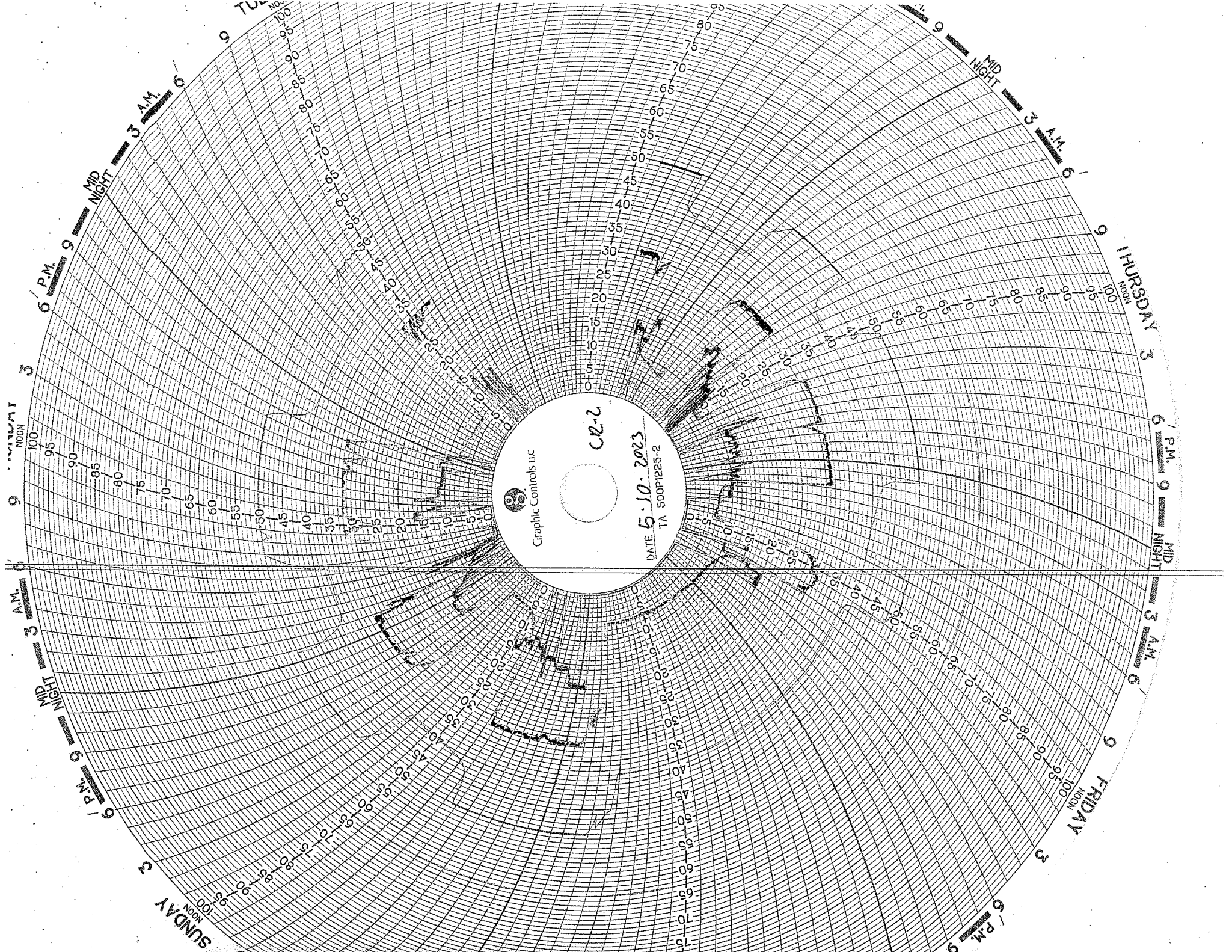
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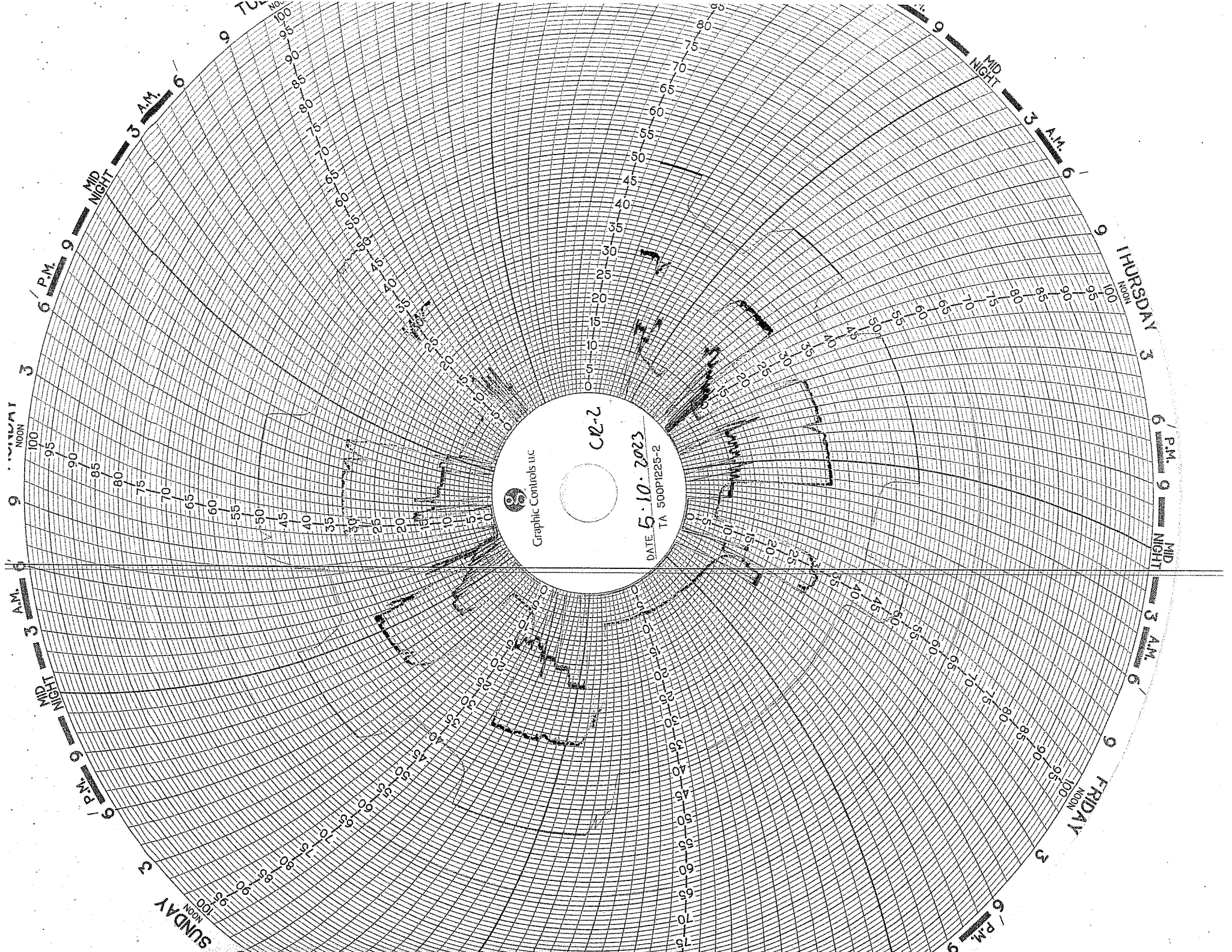
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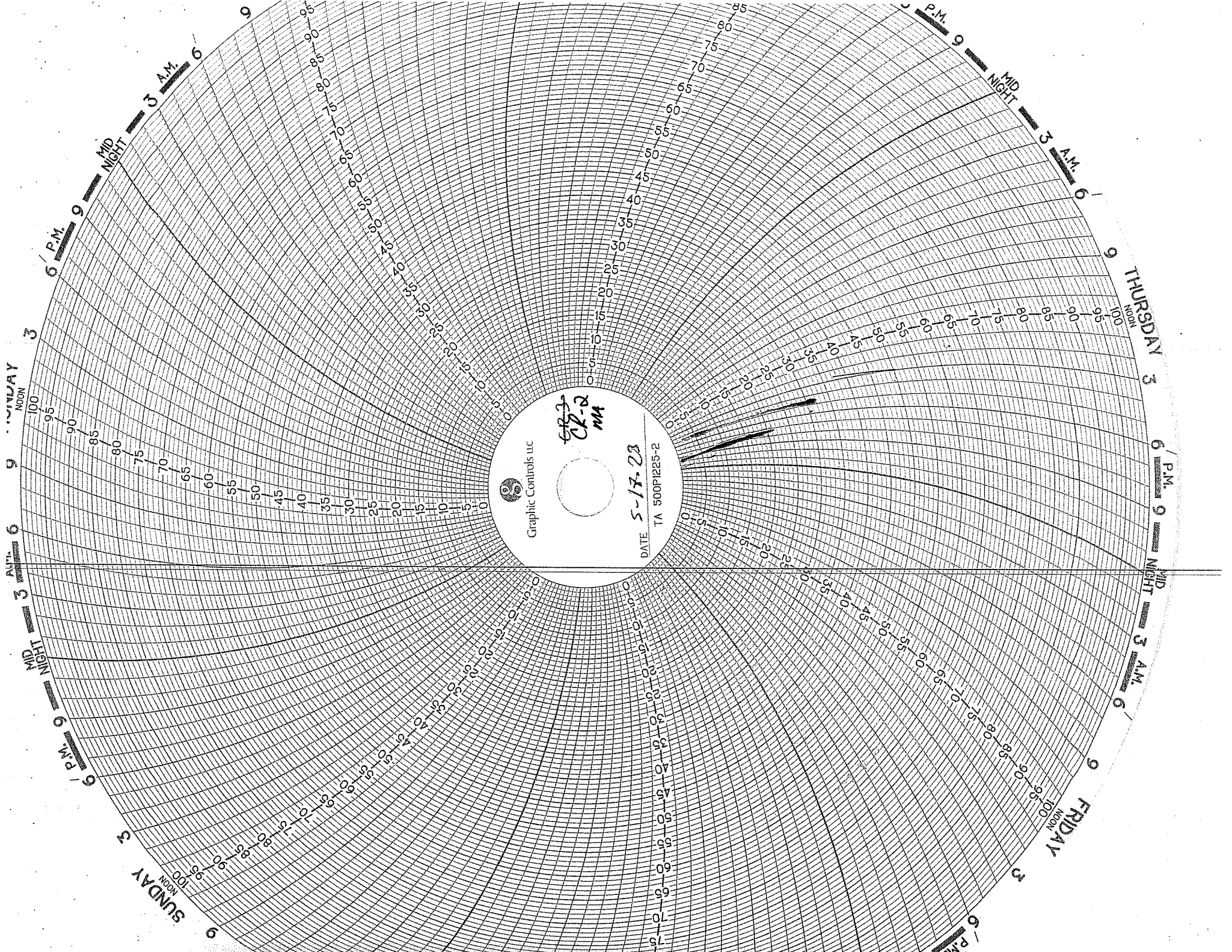
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Graphic Controls LLC
CR-2
DATE 5.10.2023
TA 500P1225-2



Graphic Controls LLC
CR-2
DATE 5.10.2023
TA 500P1225-2



9
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NOON
SATURDAY

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P.M.
MIDNIGHT
FRIDAY

9
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3
NOON
FRIDAY

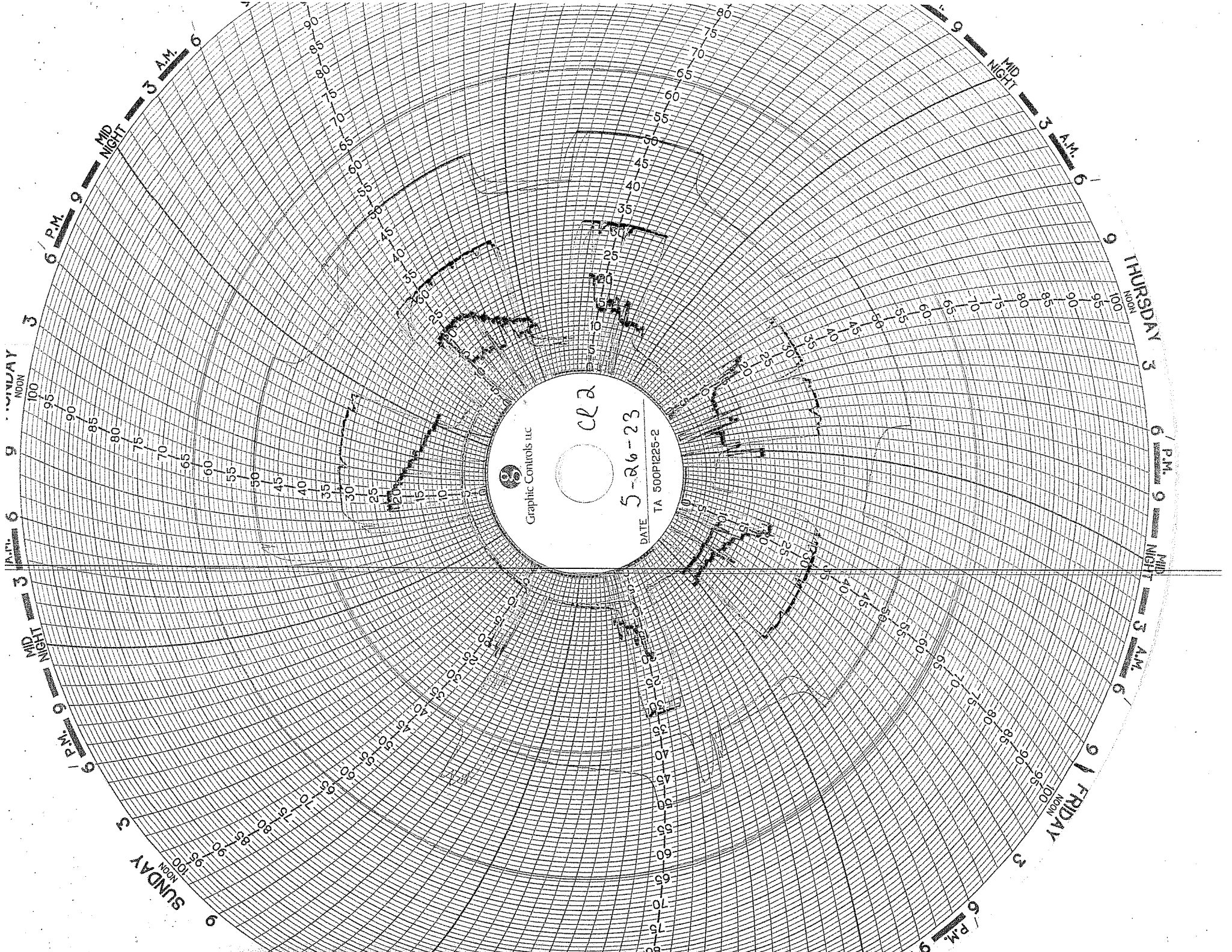
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THURSDAY

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P.M.
MIDNIGHT
WEDNESDAY

9
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P.M.
MIDNIGHT
TUESDAY

9
6
3
P.M.
MIDNIGHT
MONDAY

9
6
3
P.M.
MIDNIGHT
SUNDAY



Graphic Controls LLC

CL2

DATE TA 500P1225-2

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

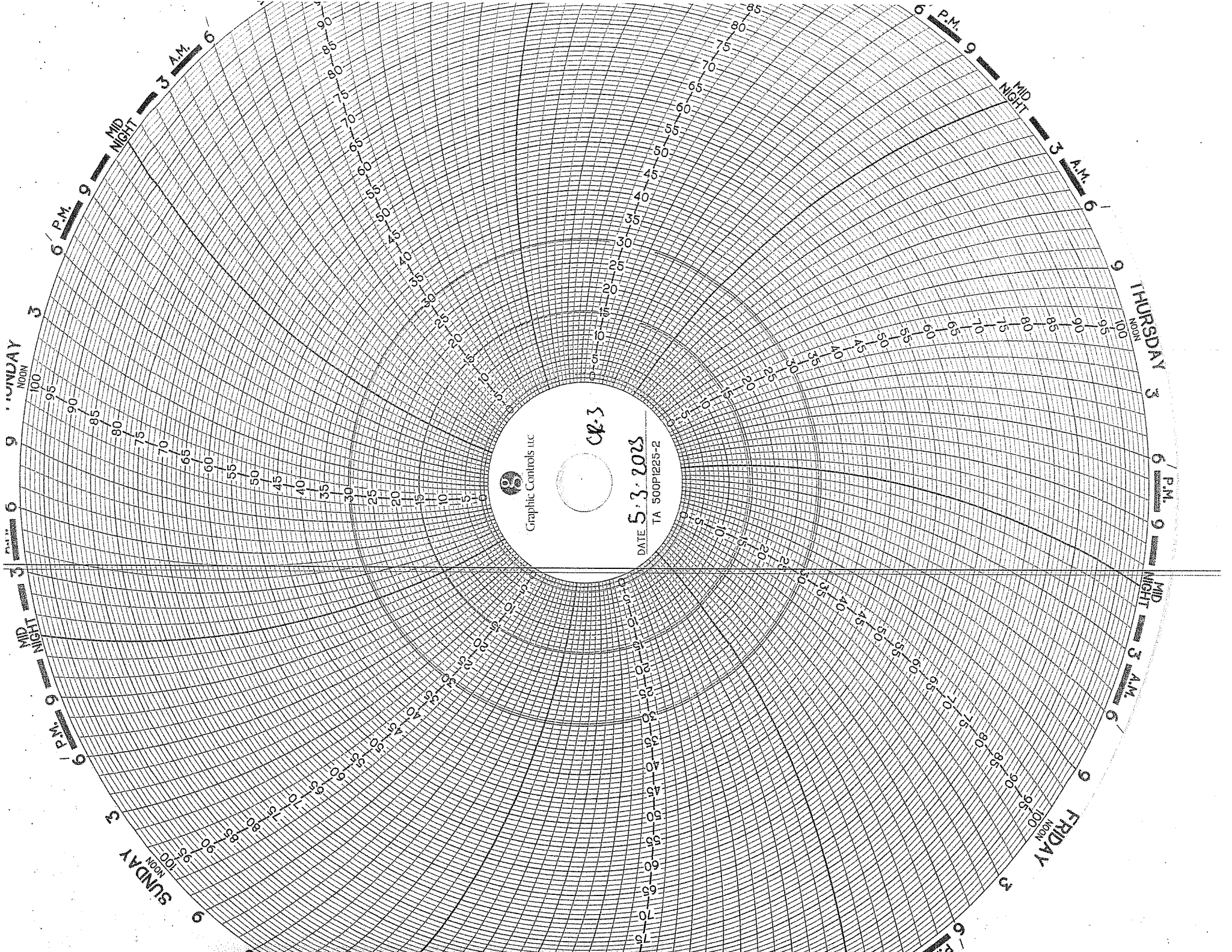
Red Pen --- Well 1 Monthly Volume (chart value x 100,000)

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



CP-3

DATE 5.3.2015
TA 500P1225-2

SUNDAY
NOON

MID NIGHT

SUNDAY
NOON

6 P.M. 9
MID NIGHT
3 A.M. 6

6 P.M. 9
MID NIGHT
3 A.M. 6

6 P.M. 9
MID NIGHT
3 A.M. 6

FRIDAY
NOON

MID NIGHT

FRIDAY
NOON

6 P.M. 9
MID NIGHT
3 A.M. 6

6 P.M. 9
MID NIGHT
3 A.M. 6

6 P.M. 9
MID NIGHT
3 A.M. 6

THURSDAY
NOON

THURSDAY
NOON

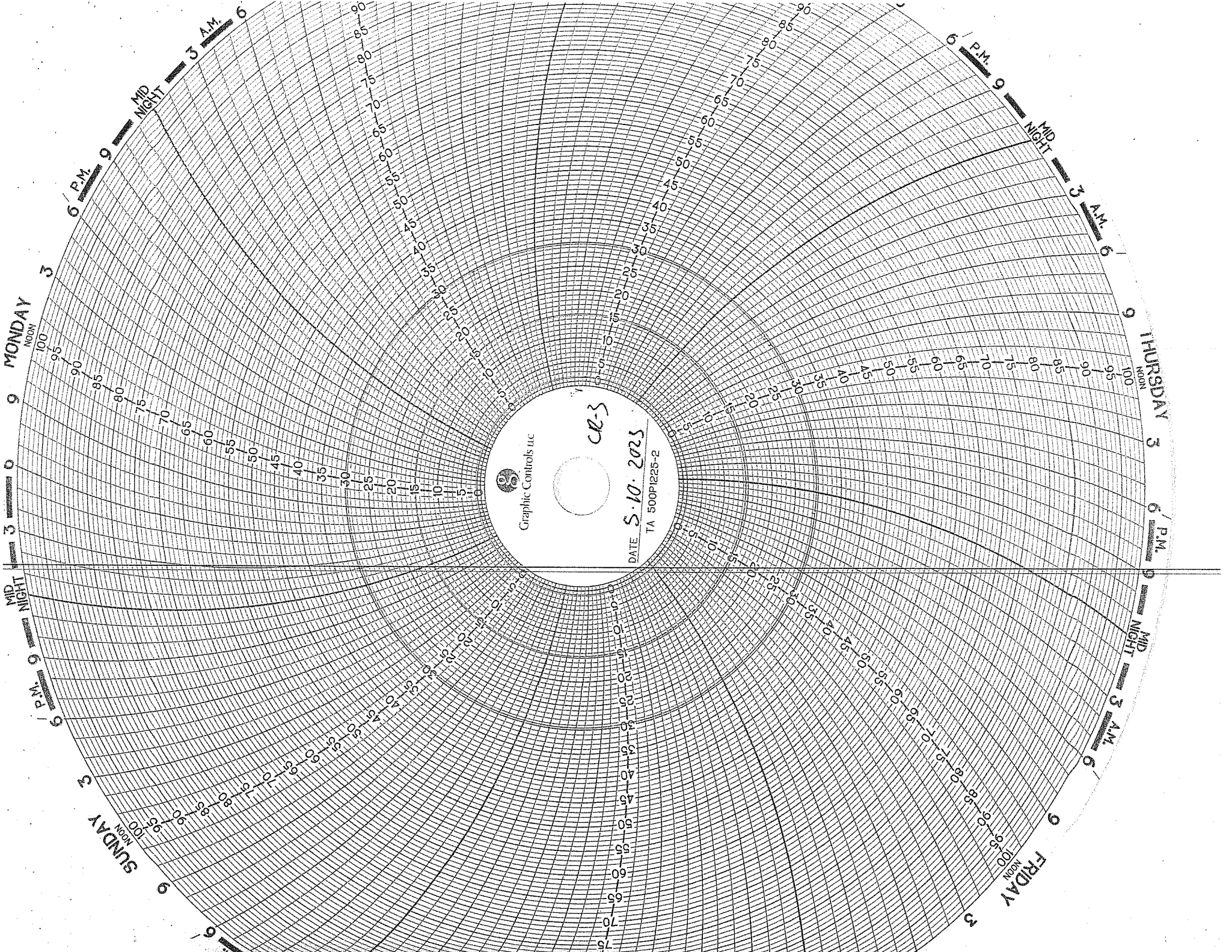
MID NIGHT

THURSDAY
NOON

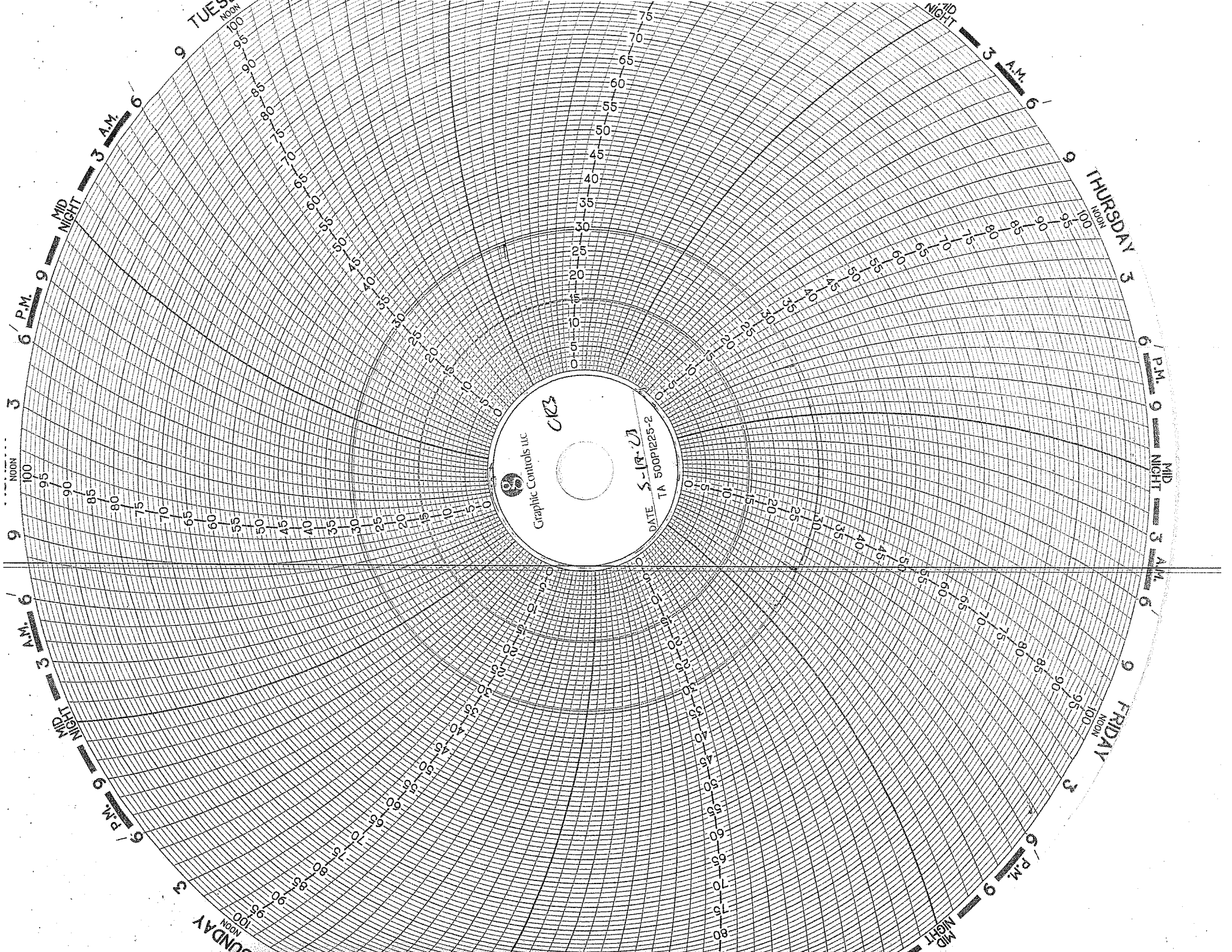
6 P.M. 9
MID NIGHT
3 A.M. 6

6 P.M. 9
MID NIGHT
3 A.M. 6

6 P.M. 9
MID NIGHT
3 A.M. 6



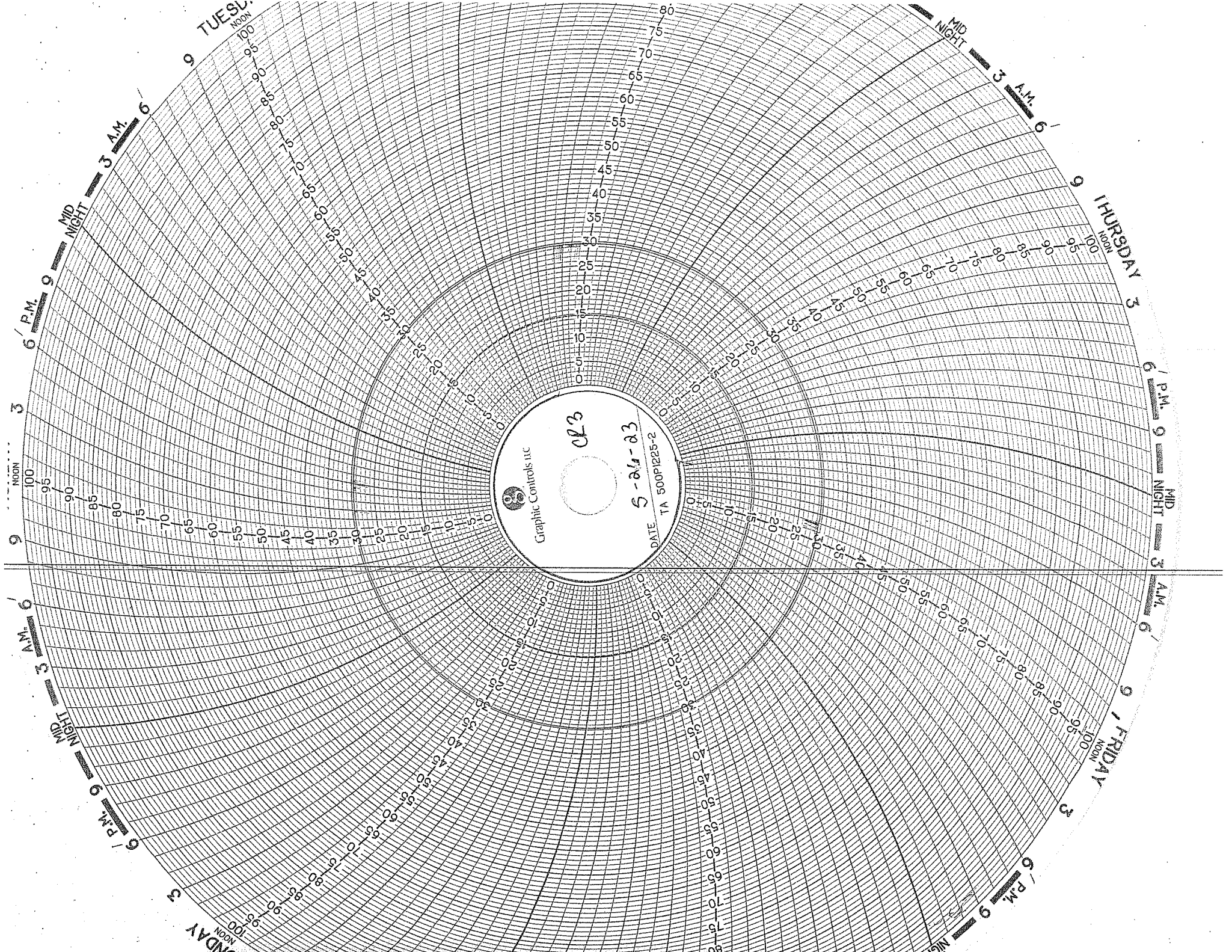
Graphic Controls LLC
CR-3
DATE 5.10.2023
TA 500P1225-2



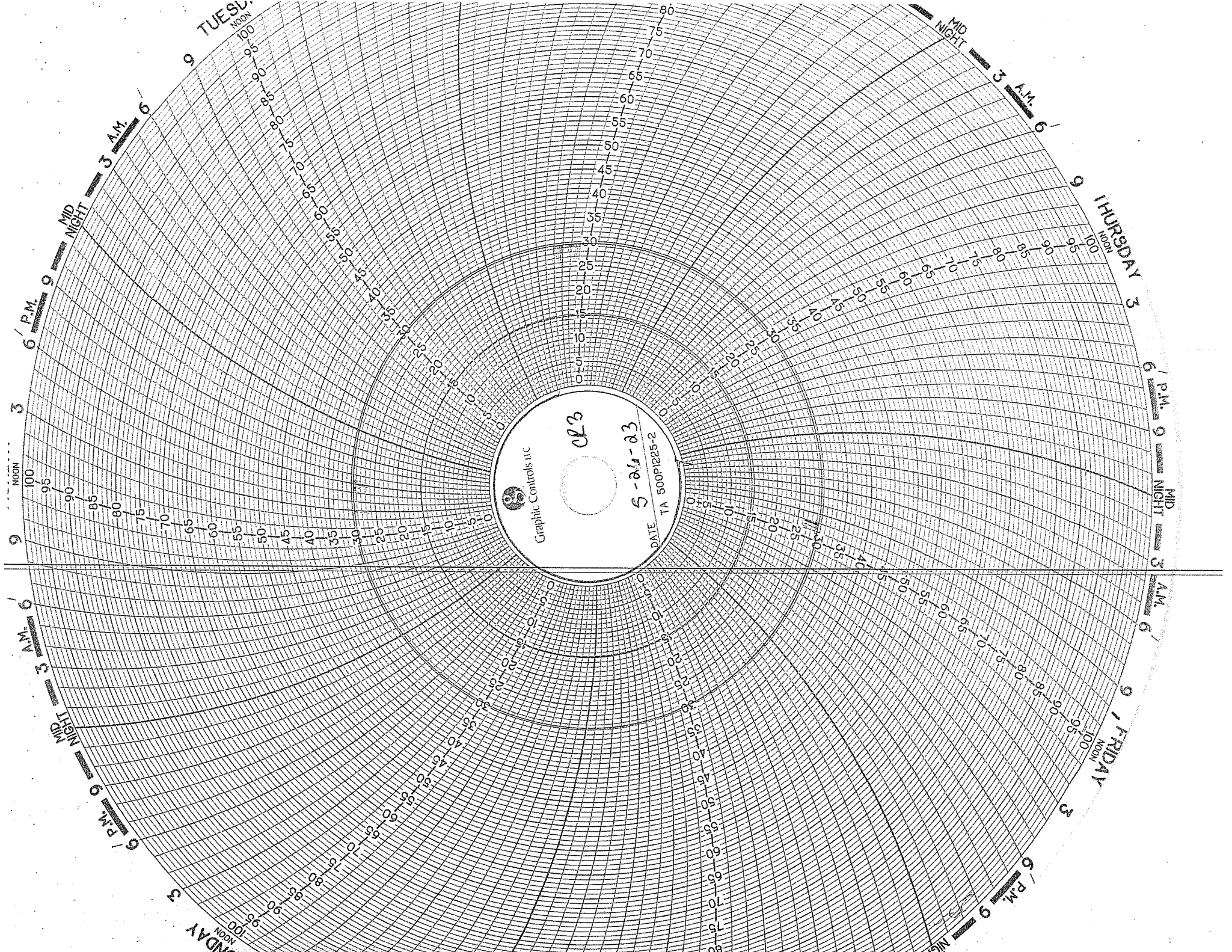
Graphic Controls LLC
CR3
DATE 5-18-21
TA 500P1225-2

TUESDAY
WEDNESDAY
THURSDAY
FRIDAY
SUNDAY

6 P.M. 3 A.M. 6 A.M.
MID NIGHT NOON



Graphic Controls LLC
CL3
5-24-83
DATE TA 500P1225-2



CORROSION MONITORING

**CORROSION MONITORING PLAN
COUPON SUMMARY**

Date	Hastelloy (C267)	Stainless Steel (316L)	Fiberglass (Redbox)	Initial Mass @ start up
12/19/2013	13.330 g	10.848 g	7.309 g	New hastelloy coupon
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	
2/23/2015	13.339 g	9.286 g	7.005 g	
3/31/2015	13.339 g	9.286 g	7.005 g	
4/27/2015	13.335 g	9.130 g	6.852 g	
5/21/2015	13.336 g	9.124 g	6.809 g	
6/12/2015	13.334 g	9.126 g	6.819 g	
7/27/2015	13.337 g	9.127 g	6.818 g	
8/26/2015	13.337 g	9.022 g	6.780 g	
9/21/2015	13.336 g	8.987 g	6.792 g	
10/19/2015	13.335 g	8.985 g	6.797 g	
11/16/2015	13.334 g	8.982 g	6.788 g	
12/17/2015	13.334 g	8.933 g	6.791 g	
1/29/2016	13.334 g	8.931 g	6.788 g	
2/16/2016	13.332 g	8.799 g	6.757 g	
3/31/2016	13.339 g	9.286 g	7.005 g	
4/22/2016	13.333 g	8.590 g	6.744 g	
5/31/2015	13.334 g	6.084 g	6.784 g	
6/30/2016	13.328 g	10.942 g	6.793 g	
8/3/2016	13.326 g	10.529 g	6.743 g	
8/29/2016	13.325 g	10.020 g	6.723 g	
10/27/2016	13.325 g	8.765 g	6.708 g	
11/29/2016	13.327 g	8.571 g	6.740 g	
12/12/2016	13.323 g	8.223 g	6.717 g	
1/3/2017	13.325 g	8.059 g	6.712 g	
2/28/2017	13.324 g	7.634 g	6.727 g	
3/24/2017	13.325 g	7.370 g	6.732 g	
4/28/2017	13.325 g	6.736 g	6.736 g	
5/11/2017	13.323 g	7.352 g	6.689 g	
6/12/2017	13.323 g	7.357 g	6.689 g	
7/5/2017	13.323 g	7.355 g	6.689 g	
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	
				New stainless steel coupon
				New Fiberglass coupon

CORROSION MONITORING PLAN
COUPON SUMMARY

Date	Material	Weight (g)	Material	Weight (g)	Notes
1/29/2018	Stainless Steel	10.930 g	Fiberglass	18.027 g	New stainless steel coupon
2/9/2018	Stainless Steel	10.932 g	Fiberglass	18.044 g	
3/19/2018	Stainless Steel	10.926 g	Fiberglass	18.030 g	
4/16/2018	Stainless Steel	10.863 g	Fiberglass	18.068 g	
5/17/2018	Stainless Steel	10.858 g	Fiberglass	18.037 g	
6/20/2018	Stainless Steel	10.855 g	Fiberglass	18.029 g	
7/12/2018	Stainless Steel	10.852 g	Fiberglass	18.032 g	
8/21/2018	Stainless Steel	10.854 g	Fiberglass	18.031 g	
9/14/2018	Stainless Steel	10.852 g	Fiberglass	18.036 g	
10/10/2018	Stainless Steel	10.851 g	Fiberglass	18.031 g	
11/20/2018	Stainless Steel	10.853 g	Fiberglass	18.032 g	
12/11/2018	Stainless Steel	10.852 g	Fiberglass	18.033 g	
1/14/2019	Stainless Steel	10.852 g	Fiberglass	18.033 g	
2/20/2019	Stainless Steel	10.850 g	Fiberglass	18.033 g	
3/15/2019	Stainless Steel	10.850 g	Fiberglass	18.033 g	
4/10/2019	Stainless Steel	10.848 g	Fiberglass	18.031 g	
5/17/2019	Stainless Steel	10.849 g	Fiberglass	18.036 g	
6/5/2019	Stainless Steel	10.848 g	Fiberglass	18.031 g	
7/8/2019	Stainless Steel	10.845 g	Fiberglass	18.032 g	
8/12/2019	Stainless Steel	10.845 g	Fiberglass	18.032 g	
9/8/2019	Stainless Steel	10.842 g	Fiberglass	18.029 g	
10/17/2019	Stainless Steel	10.842 g	Fiberglass	18.030 g	
11/20/2019	Stainless Steel	10.842 g	Fiberglass	18.030 g	
12/11/2019	Stainless Steel	10.842 g	Fiberglass	18.030 g	
1/16/2020	Stainless Steel	10.840 g	Fiberglass	18.033 g	
2/6/2020	Stainless Steel	10.836 g	Fiberglass	18.034 g	
3/3/2020	Stainless Steel	10.842 g	Fiberglass	18.034 g	
4/9/2020	Stainless Steel	10.839 g	Fiberglass	18.037 g	
5/12/2020	Stainless Steel	10.830 g	Fiberglass	18.035 g	
6/16/2020	Stainless Steel	10.771 g	Fiberglass	18.009 g	
7/16/2020	Stainless Steel	10.560 g	Fiberglass	17.843 g	
8/25/2020	Stainless Steel	10.214 g	Fiberglass	17.773 g	
9/24/2020	Stainless Steel	9.796 g	Fiberglass	17.656 g	
10/19/2020	Stainless Steel	9.737 g	Fiberglass	17.621 g	
11/5/2020	Stainless Steel	9.728 g	Fiberglass	17.600 g	
12/3/2020	Stainless Steel	9.730 g	Fiberglass	17.689 g	
2/10/2021	Stainless Steel	9.728 g	Fiberglass	17.683 g	
3/9/2021	Stainless Steel	9.733 g	Fiberglass	17.585 g	
4/13/2021	Stainless Steel	9.730 g	Fiberglass	17.649 g	
5/18/2021	Stainless Steel	9.691 g	Fiberglass	17.543 g	
6/17/2021	Stainless Steel	9.639 g	Fiberglass	17.546 g	
7/19/2021	Stainless Steel	9.480 g	Fiberglass	17.507 g	
8/3/2021	Stainless Steel	9.437 g	Fiberglass	17.467 g	
9/14/2021	Stainless Steel	9.392 g	Fiberglass	17.467 g	
Date		Material	Weight (g)	Material	
10/11/2021	Stainless Steel	9.359 g	Fiberglass	17.465 g	
11/3/2021	Stainless Steel	9.350 g	Fiberglass	17.273 g	
12/15/2021	Stainless Steel	9.351 g	Fiberglass	17.256 g	
1/17/2022	Stainless Steel	9.351 g	Fiberglass	17.256 g	
2/15/2022	Stainless Steel	9.347 g	Fiberglass	16.965 g	

Well 1 workover new well

CORROSION MONITORING PLAN
COUPON SUMMARY

3/18/2022	13.281g
4/18/2022	13.275
5/16/2022	13.298
6/15/2022	13.276
7/20/2022	13.303
8/17/2022	13.277
9/9/2022	13.276
10/19/2022	13.274
11/18/2022	13.274
12/19/2022	13.278
1/18/2023	13.276
2/15/2023	13.274
3/17/2023	13.280
4/25/2023	13.275
5/23/2023	13.276

9.368g
9.339
9.328
9.300
9.324
9.195
9.171
9.157
9.145
9.132
9.131
9.130
9.138
9.130
9.131

17.246g
16.656
16.600
16.219
16.393
15.841
15.757
15.623
15.801
15.588
15.761
15.728
15.779
15.726
15.700

COOROSION MONITORING COUPONS VISUAL DESCRIPTION

May, 2023

Fiberglass Coupon

The coupon is black 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. The coupon has apparently been dyed black by received wastestreams.

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

This coupon is identified as 316L / C1563. The coupon is silver in color with a lightly sandblasted texture. It is clean and has several dozen small pits on both sides of the coupon. Near the bottom of the coupon there is approximately 1/8 inch x 1/16 of corrosion.

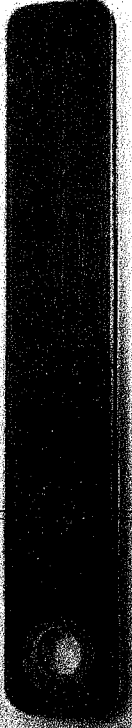
There is a slight effect to this coupon.



316L / C1563

Weight: 9.131

Date: 05/23/2023



C276 / 5

Weight: 13.276

Date: 05/23/2023



Fiberglass

Weight: 15.700

Date: 05/23/2023

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

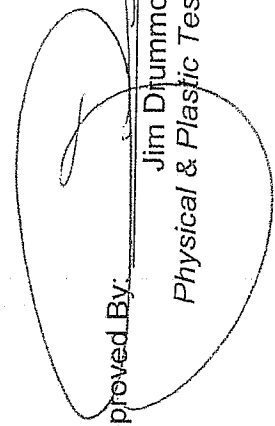
PN 125322
PO 00154

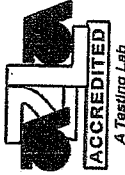
PLASTICS TESTING DEPARTMENT

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



A Testing Lab

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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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.

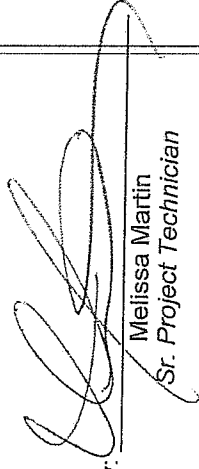
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BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

Results


Barcol Hardness, Instant

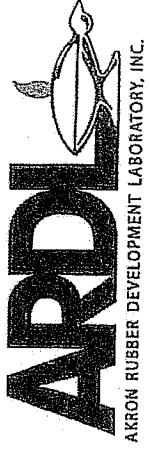
96


Melissa Martin
Sr. Project Technician

Prepared By:

tc

Approved By: 
Scott W. Yates
Plastics Testing Assistant Manager



Progress Through Innovation, Technology and Customer Satisfaction

December 12, 2016


TEST REPORT

PN 132662
PO

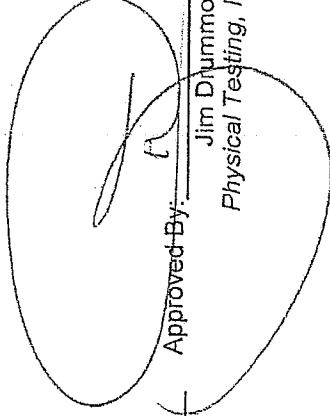
PLASTICS TESTING DEPARTMENT

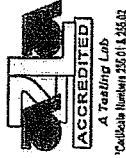
Prepared For:

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



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December 12, 2016

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 132662


SUBJECT: Barcol Hardness on one (1) material.

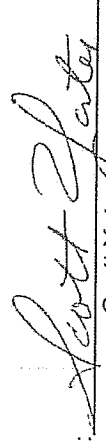
RECEIVED: One (1) small section identified as: Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

RESULTS

Barcol Hardness, Instant 96

Prepared By: 
Melissa Martin
Senior Project Technician

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

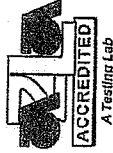
Prepared By:

Melissa Martin
Sr. Project Technician

Approved By:

Jim Drummond
Rubber & Plastic Testing, Manager

Rev 04/19/16



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AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Progress Through Innovation, Technology and Customer Satisfaction

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

Barcol Hardness, Instant

Results

96

Prepared By: 
Melissa Martin
Sr Project Technician

Approved By: 
Scott Yates
Plastics Testing, Assistant Manager

SC

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CHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-9585
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

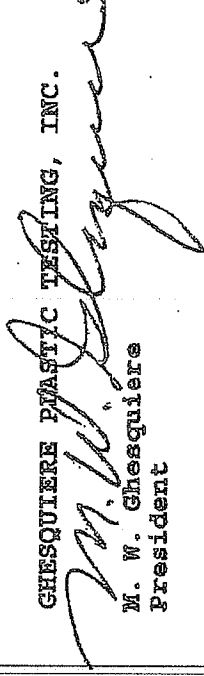
Hardness

Specimen 1 90

Specimen is being returned with this report for further evaluation.

MWG/kni

CHESQUIERE PLASTIC TESTING, INC.



M. W. Chesquiere
President

CHESQUIERE 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.

CHESQUIERE PLASTIC TESTING, INC.

M. W. Chesquiere
President

MWG/dm

GHSQUERE 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

85

Specimen 1

Specimen was returned to the client June 16, 2014.

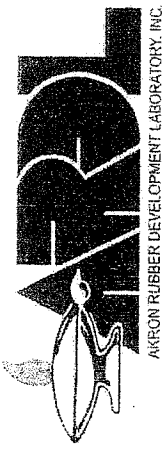
GHSQUERE PLASTIC TESTING, INC.

M. W. Chesquiere
President

MWG/dm

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Testing. Development. Problem Solving.



October 2, 2014


TEST REPORT

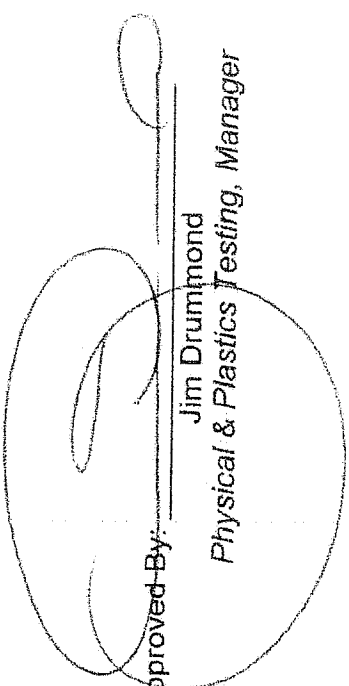
PN 118325
PO Attn: John Frost

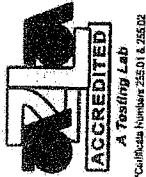
PLASTICS TESTING DEPARTMENT

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



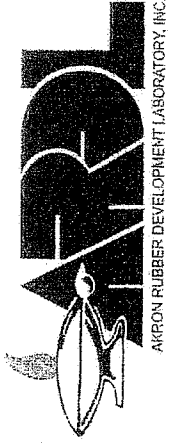
An A2LA ISO 17025 Accredited Testing Laboratory — Certificate Numbers 255.01 & 255.02
ISO 9001:2008 Registered

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Registered

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AR 118325 - 02 10 14

2887 Gilchrist Rd. | Akron, Ohio 44305 | answers@ardl.com
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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

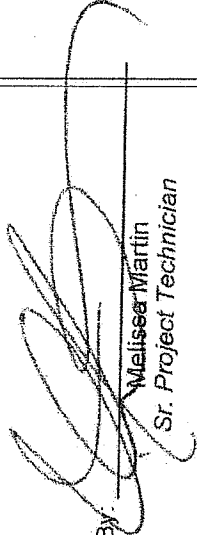
RECEIVED: One small section identified as: Fiberglass Coupon.

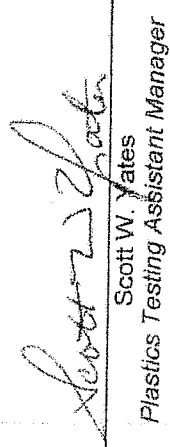
BARCOL HARDNESS ASTM D 2583-13a

Barcol Hardness, Instant

Results

97

Prepared By: 
Melissa Martin
Sr. Project Technician

Approved By: 
Scott W. Yates
Plastics Testing Assistant Manager

AKRON RUBBER DEVELOPMENT LABORATORY, INC.

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BARCOL HARDNESS REPORT

Customer: Republic Industrial and Energy Solutions, LLC
Component Tested: Test Coupon
PO Number: 957553 **Job Number:** 3415

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

Barcol Readings

Side One:	1	2	3	Average
Side Two:	62	63	58	61
	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

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

Tested By:  _____
(signature)

Gary Nicholson **Date:** 10/11/2021
(print or type name)

BARCOL HARDNESS REPORT

Customer: Republic Industrial and Energy Solutions
Component Tested: Fiberglass Coupon
PO Number: Credit Card **Job Number:** 3734
Calibration: Disc: 43 - 48 **Actual Reading:** 45

Barcol Readings

	1	2	3	Average
Side One:	55	50	58	54
Side Two:	53	56	59	56
Overall Average:				55

Tested By:  (signature)

Gary Nicholson **Date:** 08/23/2022
(print or type name)

MAINTENANCE

UIC Monthly Maintenance Log

Replaced injection pump 3	Well 1&2	5/4/2023
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INJECTION FINGERPRINTS

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 11 / 23
Receiving ID#	10881304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	1.50
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>Christy D. Parkes</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.42
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	75.1
Conductivity	42.0 <i>µS</i>
% Solids	1.22
Turbidity	Yes No
Color	
TSS (%)	5.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 17 / 23
Receiving ID#	20512303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	12:10
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.34
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	57 70-71.6
Conductivity	34.9ms
% Solids	0.02
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 07 / 23
Receiving ID#	EDS21702
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	9:00
Time out	
Received by	J. Ak
Sampled by	Clayton P. Padgett

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>190
pH (S.U.)	2.06
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.8
Conductivity	29.9 <i>ms</i>
% Solids	1.16
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. Ak

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 21 / 23
Receiving ID#	10531236
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:13
Time out	
Received by	J. [Signature]
Sampled by	C.T.G.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	4.57
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	39.0-5
% Solids	1.77
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	05 / 30 / 23
Receiving ID#	IOS 2307
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	19:00
Time out	
Received by	<i>J. Wilson</i>
Sampled by	<i>J. Wilson</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.44
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.9
Conductivity	323 us
% Solids	1.37
Turbidity	Yes No
Color	
TSS (%)	5.61
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Wilson</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 30 / 23
Receiving ID#	TOS30 2306
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	06:00
Time out	17:20
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.29
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.0
Conductivity	36.9ms
% Solids	1.76
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	T.08302304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	14:37
Time out	
Received by	<i>J. A. R.</i>
Sampled by	<i>J. A. R.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.30
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.9
Conductivity	35.2
% Solids	0.97
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. A. R.</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 20 / 23
Receiving ID#	155102304
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	12:58
Time out	
Received by	<i>J.P.P.</i>
Sampled by	<i>J.P.P.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.05
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes
Oil in Sample?	No
Temperature (F)	69.9
Conductivity	33.9
% Solids	1.07
Turbidity	Yes
Color	No
TSS (%)	< 6.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J.P.P.</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 30 / 23
Receiving ID#	705300303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:16
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>100
pH (S.U.)	3.93
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.9
Conductivity	24.3
% Solids	1.22
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 30 / 23
Receiving ID#	105902302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:32
Time out	
Received by	J.A.B.
Sampled by	J.F.G.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	3.94
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.4
Conductivity	22.6 uS
% Solids	0.66
Turbidity	Yes No
Color	
TSS (%)	2.9
Radiation Screen (as needed)	
Lab Signature/Initials	J.A.B.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 30 / 23
Receiving ID#	I 05302351
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	07:34
Time out	
Received by	J. W. E.
Sampled by	J. W. E.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	4.83
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	24.9 μS
% Solids	0.77
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. W. E.

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 27 / 23
Receiving ID#	105272301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:09 Am
Time out	
Received by	<i>J.P. [Signature]</i>
Sampled by	<i>J.P. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>110
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)	68.9
Conductivity	15.24
% Solids	0.68
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J.P. [Signature]</i>

Receiving & Departure Approval Form

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 26 / 23
Receiving ID#	IOS262304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	18:20
Time out	
Received by	
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	4.55
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	36.2 us
% Solids	2.1%
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	05262903
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	2:00
Time out	
Received by	J. A. [Signature]
Sampled by	Clarey D. Yorks

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.20
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.8
Conductivity	39.7 us
% Solids	1.2
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JAD

Receiving & Departure Approval Form

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	105262302
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	10:16
Time out	
Received by	J. AD
Sampled by	Carey N. Peck

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 120
pH (S.U.)	6.27
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.022
Physical Description	
Stream Consistency	Yes
Oil in Sample?	No
Temperature (F)	66.8
Conductivity	39.5 us
% Solids	1.911
Turbidity	Yes
Color	No
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. AD

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	105262701
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	07:20
Time out	
Received by	<i>J. Decker</i>
Sampled by	<i>R. J. Decker</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.4
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.2
Conductivity	338.05
% Solids	0.87
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Decker</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 25 / 23
Receiving ID#	TOS252305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	20:50
Time out	
Received by	<i>J. D. D.</i>
Sampled by	<i>J. D. D.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 100
pH (S.U.)	6.60
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.5
Conductivity	32.4 us
% Solids	0.77
Turbidity	Yes No
Color	
TSS (%)	2.02
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. D.</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 25 / 23
Receiving ID#	IOS252304
Manifest #	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	16:30
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.40
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.2
Conductivity	37.0 μ S
% Solids	1.55
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 28 / 23
Receiving ID#	705252703
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	12:50
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.36
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.4
Conductivity	45.4 <i>ms</i>
% Solids	1.46
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 25 / 23
Receiving ID#	105252302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:00
Time out	
Received by	<i>J. W. H.</i>
Sampled by	<i>J. W. H.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.29
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.5
Conductivity	46.5 _{u.s.g.}
% Solids	1.87
Turbidity	Yes No
Color	
TSS (%)	2.07
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. W. H.</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 25 / 23
Receiving ID#	105252301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	07:30
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	5190
pH (S.U.)	6.26
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	60.9
Conductivity	42.05
% Solids	2.06
Turbidity	Yes No
Color	
TSS (%)	2.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 24 / 23
Receiving ID#	305242506
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	22:15 PM
Time out	
Received by	J. AD
Sampled by	J. AD

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	2.11
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.10
Physical Description	
Stream Consistency	Yes
Oil in Sample?	No
Temperature (F)	64.3
Conductivity	82.5 mS
% Solids	3.91
Turbidity	Yes
Color	No
TSS (%)	47 3.5
Radiation Screen (as needed)	
Lab Signature/Initials	J. AD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 24 / 23
Receiving ID#	105210305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13:15
Time out	
Received by	<i>J. [Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	1.7/10
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.3
Conductivity	72.000
% Solids	2.885
Turbidity	Yes No
Color	
TSS (%)	10.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 24 / 23
Receiving ID#	IOS242304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	16:10
Time out	
Received by	<i>J. Adams</i>
Sampled by	<i>J. Adams</i>
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	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.5
Conductivity	47.2 uS
% Solids	2.11
Turbidity	Yes No
Color	
TSS (%)	LO
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Adams</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 24 / 23
Receiving ID#	205242303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	12:53
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. D. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.46
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.9
Conductivity	46.7
% Solids	0.57
Turbidity	Yes No
Color	
TSS (%)	501
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 24 / 23
Receiving ID#	105241002
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	0:35
Time out	
Received by	<i>J. Adams</i>
Sampled by	<i>J.M.H.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.00
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.8
Conductivity	46.5 uS
% Solids	2.22
Turbidity	Yes No
Color	
TSS (%)	LOA
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Adams</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 21 / 23
Receiving ID#	IES242301
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	07:00
Time out	
Received by	<i>J. B. [Signature]</i>
Sampled by	<i>M. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	5.96
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.00
Physical Description	
Stream Consistency	Yes
Oil in Sample?	No
Temperature (F)	68.0
Conductivity	41.2 uS
% Solids	1.63
Turbidity	Yes
Color	No
TSS (%)	3.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. B. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 23 / 23
Receiving ID#	105232305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	22:00
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	1.18
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.2
Conductivity	107.005
% Solids	3.97
Turbidity	Yes No
Color	
TSS (%)	6.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 23 / 23
Receiving ID#	IOS222304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	20:20
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	214D
pH (S.U.)	1.4
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	286.5
% Solids	0.76
Turbidity	Yes No
Color	
TSS (%)	2.61
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 23 / 23
Receiving ID#	105232303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	14:54
Time out	
Received by	<i>J. [Signature]</i>
Sampled by	<i>J.D. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2170
pH (S.U.)	6.30
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.9
Conductivity	44.6
% Solids	1.86
Turbidity	Yes No
Color	
TSS (%)	6.01
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J.D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 23 / 23
Receiving ID#	705222702
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:10
Time out	
Received by	J. A. Dr.
Sampled by	R. Garcia
LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2190
pH (S.U.)	6.24
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.5
Conductivity	43.0 μ S
% Solids	7.63
Turbidity	Yes No
Color	
TSS (%)	201
Radiation Screen (as needed)	
Lab Signature/Initials	J. A. Dr.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 23 / 23
Receiving ID#	705232304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	07:30
Time out	
Received by	<i>J. A. [Signature]</i>
Sampled by	<i>M. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.82
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.9
Conductivity	424.305
% Solids	1.95
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 21 / 23
Receiving ID#	105222503
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13:20
Time out	
Received by	J. A. [Signature]
Sampled by	J.M.P.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.47
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.9
Conductivity	481 μmS
% Solids	1.89
Turbidity	Yes No
Color	
TSS (%)	Low
Radiation Screen (as needed)	
Lab Signature/Initials	J.A.P.

Receiving & Departure Approval Form

Revision 6
1/20/20

REC04-01 - Page 1

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

SST-1

RECEIVING INFORMATION	
Date	05 / 22 / 23
Receiving ID#	105222302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:29
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	>140
Flash Point (F)	6.53
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.6
Conductivity	42.8 uS
% Solids	2.29
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 22 / 20123
Receiving ID#	IOS222230
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:39
Time out	
Received by	J. K. [Signature]
Sampled by	J.W.E.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.50
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	46.805
% Solids	1.99
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. K. [Signature]

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 19 / 23
Receiving ID#	IOS192303
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	3:30
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>Grey Parks</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>110
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)	70.2
Conductivity	430 µS
% Solids	1.58
Turbidity	Yes No
Color	
TSS (%)	<6.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 19 / 23
Receiving ID#	TOS192302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:15
Time out	
Received by	<i>J.A.H.</i>
Sampled by	<i>Chrey D. Park</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 190
pH (S.U.)	10.50
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	34.205
% Solids	1.06
Turbidity	Yes No
Color	
TSS (%)	50
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J.A.H.</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 19 / 23
Receiving ID#	IOS192301
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	07:00
Time out	
Received by	J. D. H.
Sampled by	R. E. ...

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	> 1.4
Flash Point (F)	2.94
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.8
Conductivity	18.69
% Solids	1.33
Turbidity	Yes No
Color	
TSS (%)	6.2
Radiation Screen (as needed)	
Lab Signature/Initials	J. D. H.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 18 / 23
Receiving ID#	011105182303
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	
Time out	5:11 AM 2:00:00
Received by	J. AD
Sampled by	J. AD

I.05182303

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	21X0
pH (S.U.)	4.89
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.8
Conductivity	51.9 uS
% Solids	4.1
Turbidity	Yes No
Color	
TSS (%)	4.0
Radiation Screen (as needed)	
Lab Signature/Initials	J. AD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 18 / 23
Receiving ID#	IOS182303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15:55
Time out	
Received by	JAD
Sampled by	CDR

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.0
Conductivity	394 μ S
% Solids	1.06
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	JAD

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 18 / 23
Receiving ID#	20182301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:29
Time out	
Received by	<i>[Signature]</i>
Sampled by	J.N.S.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.61
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61.0
Conductivity	410.05
% Solids	1.46
Turbidity	Yes No
Color	
TSS (%)	LOA
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 17 / 23
Receiving ID#	70512303
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	13:52
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 110
pH (S.U.)	6.108
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	485.5
% Solids	1.87
Turbidity	Yes No
Color	
TSS (%)	101
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 17 / 23
Receiving ID#	IOS172302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:45
Time out	
Received by	J. DR
Sampled by	J. DR

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2170
pH (S.U.)	6.26
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	49.0 uS
% Solids	0.72
Turbidity	Yes No
Color	
TSS (%)	2.03
Radiation Screen (as needed)	
Lab Signature/Initials	J. DR

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 17 / 23
Receiving ID#	IOS172301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	6:30
Time out	
Received by	<i>J. A. [Signature]</i>
Sampled by	<i>[Signature]</i>

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)	65.5
Conductivity	49.7
% Solids	1-8
Turbidity	Yes No
Color	
TSS (%)	LO
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. A. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	IOS162304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	17:30
Time out	
Received by	A. W. [Signature]
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	[Signature]
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	21000
pH (S.U.)	6.59
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.06
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	71.10
Conductivity	42.7
% Solids	1.22
Turbidity	Yes No
Color	
TSS (%)	60.1
Radiation Screen (as needed)	None
Lab Signature/Initials	A. W. [Signature]

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	IOSIG 2803
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13355
Time out	
Received by	J. AP
Sampled by	MA
LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	ca. 5.8
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	444.4
% Solids	2-18
Turbidity	Yes No
Color	
TSS (%)	LOI
Radiation Screen (as needed)	
Lab Signature/Initials	J. AP

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	TOS/6302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:35
Time out	
Received by	<i>J. Parker</i>
Sampled by	Corey Parker

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 170
pH (S.U.)	6.79
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.2
Conductivity	517.0 us/cm
% Solids	1.69
Turbidity	Yes No
Color	
TSS (%)	LO
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Parker</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	I 6616 0361
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	0785
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. MA [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.44
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.4
Conductivity	57.5 us
% Solids	2.52
Turbidity	Yes No
Color	
TSS (%)	60
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 15 / 23
Receiving ID#	IO5152305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	20:10
Time out	
Received by	A. W. [Signature]
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.58
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.30
Conductivity	50.0
% Solids	1.15
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. W. [Signature]

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 15 / 23
Receiving ID#	IOSIS 2304
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	NO 30 17:30
Time out	
Received by	A. W. K. P.
Sampled by	Yes - No

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7 1400
pH (S.U.)	6.47
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes
Oil in Sample?	No
Temperature (F)	Yes
Conductivity	70.70
% Solids	45.9
Turbidity	1.718
Color	Yes
TSS (%)	No
Radiation Screen (as needed)	L 011
Lab Signature/Initials	A. W. K. P.

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 15 / 23
Receiving ID#	208152303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15:40
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J.A. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.14
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.1
Conductivity	643.05
% Solids	3.20
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>JAD</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 15 / 23
Receiving ID#	105152802
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	11:38 AM
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. D. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.95
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.2
Conductivity	38.605
% Solids	1.39
Turbidity	Yes No
Color	
TSS (%)	LOD
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 15 / 23
Receiving ID#	105160301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	0940
Time out	
Received by	J. MA
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	5.09
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.2
Conductivity	17.25ms
% Solids	0.11
Turbidity	Yes No
Color	
TSS (%)	50.0
Radiation Screen (as needed)	
Lab Signature/Initials	J. MA

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 13 / 23
Receiving ID#	105132302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:10
Time out	
Received by	<i>J. A. [Signature]</i>
Sampled by	<i>J. A. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	> 1700
Flash Point (F)	1.60
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	205.3 us
% Solids	0.5
Turbidity	Yes No
Color	
TSS (%)	40.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. A. [Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 13 / 23
Receiving ID#	IOS132301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:15
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>110
pH (S.U.)	6.95
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	35.0
% Solids	1.34
Turbidity	Yes No
Color	
TSS (%)	2.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 12 / 23
Receiving ID#	ZOS122305
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	19:25
Time out	
Received by	A. Werby
Sampled by	A. Werby

LAB INFORMATION	
Compatible? (RT#)	
PCEs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	761400
Flash Point (F)	6.99
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.2°
Conductivity	40.9
% Solids	789
Turbidity	Yes No
Color	
TSS (%)	6.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Werby

Receiving & Departure Approval Form

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FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 12 / 23
Receiving ID#	ZOS122304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	16:49
Time out	
Received by	A. Warkye
Sampled by	A. Warkye

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.86
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.20
Conductivity	44.1
% Solids	.866
Turbidity	Yes No
Color	
TSS (%)	LO.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Warkye

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 12 / 23
Receiving ID#	IB51223 03
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13:13
Time out	
Received by	J. D. [Signature]
Sampled by	J. M. A.

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)	77.3
Conductivity	39.2 uS
% Solids	1.52
Turbidity	Yes No
Color	
TSS (%)	LO
Radiation Screen (as needed)	
Lab Signature/Initials	J. D. [Signature]

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM



RECEIVING INFORMATION	
Date	05 / 12 / 23
Receiving ID#	I05122302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15:00
Time out	
Received by	JAR
Sampled by	J.M.H

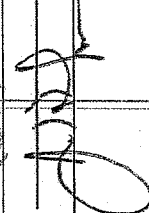
LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.68
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.07
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.8
Conductivity	40.405
% Solids	1.08
Turbidity	Yes No
Color	
TSS (%)	501
Radiation Screen (as needed)	
Lab Signature/Initials	JAR

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 12 / 23
Receiving ID#	105122301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	6.30
Time out	
Received by	
Sampled by	

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.87
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	46.4 μm
% Solids	1.47
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 11 / 23
Receiving ID#	JOS112306
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	21:32
Time out	
Received by	A. Worley
Sampled by	A. Worley

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.704
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.30
Conductivity	47.1
% Solids	.996
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Worley

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FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 11 / 23
Receiving ID#	RTOS12305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	19:23
Time out	
Received by	A. Walsh
Sampled by	A. Walsh

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	> 1400
Flash Point (F)	6.7
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	72.20
Conductivity	50.8
% Solids	1.09
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Walsh

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 11 / 23
Receiving ID#	IOSM 2304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15:00
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	7.14
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	77.0
Conductivity	422.705
% Solids	1.14
Turbidity	Yes No
Color	
TSS (%)	LOW
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 1 / 23
Receiving ID#	JOS 112303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:45
Time out	
Received by	<i>J. A. R.</i>
Sampled by	<i>J. A. R.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.43
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.0
Conductivity	60.0 m
% Solids	2.54
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. A. R.</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 11 / 23
Receiving ID#	205112302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:35
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>100
pH (S.U.)	6.37
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.4
Conductivity	122.7 uS
% Solids	3.7%
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 11 / 23
Receiving ID#	IOS12301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	7:30
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. D. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	3.75
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.5
Conductivity	23.9 uS
% Solids	1.18
Turbidity	Yes No
Color	
TSS (%)	10.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 10 / 23
Receiving ID#	ZOS102307
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	21:39
Time out	
Received by	A. Werh
Sampled by	A. Werh

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7190°
pH (S.U.)	1.86
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.10
Conductivity	29.5
% Solids	.605
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Werh

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 10 / 23
Receiving ID#	ZOS102306
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	A. Worley
Sampled by	A. Worley

LAB INFORMATION	
Compatible? (RT#)	
PCEs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7140°
pH (S.U.)	1.45
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.8°
Conductivity	55.8
% Solids	.821
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Worley

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3.794

803 3.566
FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 10 / 23
Receiving ID#	IOS102305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	17:30
Time out	
Received by	A. Walsh
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.38
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.30
Conductivity	59.1
% Solids	2.21
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Walsh

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 10 / 23
Receiving ID#	105102304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	18:50
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	DeWitt M.

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.23
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.00
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.6
Conductivity	57.9 uS
% Solids	2.17
Turbidity	Yes No
Color	
TSS (%)	6.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 16 / 23
Receiving ID#	705/08303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:00
Time out	
Received by	J. P. Carey
Sampled by	J. P. Carey

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	3110
pH (S.U.)	6.79
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	70.2
Conductivity	64.505
% Solids	2.02
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. P. Carey

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 10 / 23
Receiving ID#	205107362
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	9:00
Time out	
Received by	<i>J. DeWitt</i>
Sampled by	<i>J. DeWitt</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2170
pH (S.U.)	6.76
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	45 (100)
% Solids	2.36
Turbidity	Yes No
Color	201
TSS (%)	
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. DeWitt</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 10 / 23
Receiving ID#	IOS100001
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	06:30
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.97
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	60.9
Conductivity	44.1 us
% Solids	2.42
Turbidity	Yes No
Color	
TSS (%)	2.04
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

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FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 9 / 23
Receiving ID#	Z08092308
Manifest #	Line
Land Ban Cert included	Yes - No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	20:10
Time out	
Received by	A. Worley
Sampled by	A. Worley

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7 1400
pH (S.U.)	7.12
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.8°
Conductivity	43.5
% Solids	1.37
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Worley

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 9 / 23
Receiving ID#	Z05092304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15:40
Time out	
Received by	<i>J. Kelly</i>
Sampled by	<i>J. Kelly</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>170
pH (S.U.)	6.57
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.3
Conductivity	36.4
% Solids	1.12
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Kelly</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 9 / 23
Receiving ID#	Pos 09 2303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	12:40
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	210
pH (S.U.)	6.48
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.7
Conductivity	22.9 uS
% Solids	0.99
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 9 / 23
Receiving ID#	T05092302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	8:54
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. D. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 117A
pH (S.U.)	6.53
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	42.5 μ S
% Solids	2.19
Turbidity	Yes No
Color	
TSS (%)	LOA
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 9 / 23
Receiving ID#	IOS092301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	6:45
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only 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)	65.1
Conductivity	43.3 us
% Solids	1.68
Turbidity	Yes No
Color	
TSS (%)	LOW
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 08 / 23
Receiving ID#	Z05082307
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	21:10
Time out	
Received by	A. Walsh
Sampled by	A. Walsh

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	7740°
pH (S.U.)	6.76
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	69.7°
Conductivity	40.1
% Solids	.43%
Turbidity	Yes No
Color	
TSS (%)	5.01
Radiation Screen (as needed)	
Lab Signature/Initials	A. Walsh

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 08 / 23
Receiving ID#	ZOS082306
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	18.07
Time out	
Received by	A. W. King
Sampled by	A. W. King

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.63
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.001
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.78
Conductivity	47.4
% Solids	.878
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. W. King

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 08 / 23
Receiving ID#	205082365
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	08:14:56
Time out	
Received by	<i>J. Dalton</i>
Sampled by	<i>J. Dalton M.</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>110
pH (S.U.)	7.05
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.5
Conductivity	49.3 μ S
% Solids	1.87
Turbidity	Yes
Color	No
TSS (%)	20
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Dalton</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 08 / 23
Receiving ID#	IOS082304
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	12:20
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.57
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.03
Physical Description	
Stream Consistency	Yes
Oil in Sample?	No
Temperature (F)	67.4
Conductivity	563.5
% Solids	2.76
Turbidity	Yes
Color	No
TSS (%)	LOW
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 8 / 23
Receiving ID#	105082303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:16
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.58
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	52.9 _{us}
% Solids	2.43
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	<i>[Signature]</i>
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 08 / 23
Receiving ID#	705082302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	09:00
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 100
pH (S.U.)	6.49
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	65.6
Conductivity	43.0 μ mS
% Solids	1.57
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 08 / 23
Receiving ID#	IOS082301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	06:30
Time out	
Received by	<i>J. [Signature]</i>
Sampled by	<i>J. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCEs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	2140
Flash Point (F)	6.11
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.02
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	66.6
Conductivity	39.115
% Solids	1.87
Turbidity	Yes No
Color	
TSS (%)	6.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. [Signature]</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 5 / 23
Receiving ID#	IOSO82306
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	21:37
Time out	
Received by	A. Warky
Sampled by	A. Warky

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	71400
Flash Point (F)	1.418
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.90
Conductivity	60.0
% Solids	.617
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Warky

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 15 / 23
Receiving ID#	Z05052305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	18:45
Time out	
Received by	A. W. Wolf
Sampled by	A. W. Wolf

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	1.71
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.1
Conductivity	11.15
% Solids	.88
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. W. Wolf

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 21 / 23
Receiving ID#	105052304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	15:20
Time out	
Received by	A. W. [Signature]
Sampled by	A. W. [Signature]

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71000
pH (S.U.)	6.48
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	67.7
Conductivity	45.2
% Solids	1.51
Turbidity	Yes No
Color	
TSS (%)	20.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. W. [Signature]

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 5 / 23
Receiving ID#	105052303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11:50
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.67
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	68.1
Conductivity	49.305
% Solids	2.17
Turbidity	Yes No
Color	
TSS (%)	6.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 05 / 23
Receiving ID#	IOS052302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:00AM
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>170
pH (S.U.)	6.58
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.5
Conductivity	39.9 uS
% Solids	1.37
Turbidity	Yes No
Color	
TSS (%)	6.0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 5 / 23
Receiving ID#	705052301
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	06:30
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 110
pH (S.U.)	6.119
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.01
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.1
Conductivity	32.8 uS
% Solids	1.6%
Turbidity	Yes No
Color	
TSS (%)	2.2
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 10 4/23
Receiving ID#	705042304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	19:55
Time out	
Received by	A. Warty
Sampled by	A. Warty

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	5.68
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.041
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61.50
Conductivity	36.8
% Solids	.811
Turbidity	Yes No
Color	
TSS (%)	0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Warty

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FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 04 / 23
Receiving ID#	205042303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	17:30
Time out	
Received by	A. Washel
Sampled by	A. Washel

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	Y
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.93
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.7
Conductivity	39.6
% Solids	934
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Washel

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 4 / 23
Receiving ID#	705042302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	14:25
Time out	
Received by	<i>J. White</i>
Sampled by	<i>J. White</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.84
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.4
Conductivity	39.6 <i>us</i>
% Solids	2.3
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. White</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 19 / 23
Receiving ID#	T05047001
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	06:30
Time out	
Received by	J. Al
Sampled by	J. Al

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6-6.5
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.8
Conductivity	284 us
% Solids	0.97
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	J. Al

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 03 / 23
Receiving ID#	208032306
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	21:50
Time out	
Received by	A. Williams
Sampled by	P. Williams

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 1400
pH (S.U.)	2.94
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61.70
Conductivity	25.1
% Solids	.437
Turbidity	Yes No
Color	
TSS (%)	50.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Williams

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. 798-5224
3. 431

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 03 / 23
Receiving ID#	IOS082305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	18:06
Time out	
Received by	A. Worky
Sampled by	A. Worky

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.45
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.50
Conductivity	45.6
% Solids	.758
Turbidity	Yes No
Color	
TSS (%)	<0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. Worky

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 03 / 23
Receiving ID#	IOS 2304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13:54
Time out	
Received by	J. D. [Signature]
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	8.20
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.00
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.3
Conductivity	472 uS
% Solids	1.53
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	05 / 05 / 23
Receiving ID#	165031300
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	11.45
Time out	
Received by	<i>J. A. M.</i>
Sampled by	<i>J. P. M.</i>

LAB. INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.64
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.0
Conductivity	4.23 mS
% Solids	1.66
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. A. M.</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 3 / 23
Receiving ID#	105032303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	08:30
Time out	
Received by	<i>J. Adams</i>
Sampled by	<i>J. Green</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.56
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.7
Conductivity	35.1 uS
% Solids	1.29
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Adams</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 13 / 23
Receiving ID#	T05032104
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	06:30
Time out	
Received by	J. D. [Signature]
Sampled by	[Signature]

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Only Waste Only)?	
TOC ppm (CC Waste Only)?	2770
Flash Point (F)	6.61
pH (S.U.)	
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.8
Conductivity	43.3 us
% Solids	0.73
Turbidity	Yes No
Color	
TSS (%)	5.61
Radiation Screen (as needed)	
Lab Signature/Initials	[Signature]

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 02 / 23
Receiving ID#	Z05022306
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	20:29
Time out	
Received by	A. Worky
Sampled by	A. Worky

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	4.81
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	60.6
Conductivity	19.09
% Solids	49.09, 381
Turbidity	Yes No
Color	
TSS (%)	6.01
Radiation Screen (as needed)	
Lab Signature/Initials	A. Worky

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 102 123
Receiving ID#	D0562 2305
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	1745
Time out	
Received by	A. WORTH
Sampled by	D. WORTH

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	71400
pH (S.U.)	6.61
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.001
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	54.6
Conductivity	2712
% Solids	1.539
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	A. WORTH

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 2 / 23
Receiving ID#	IOS022304
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	13:45
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.55
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	61
Conductivity	46.9 mg/s
% Solids	1.52
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 2 / 23
Receiving ID#	IOS022302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	1115
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	
pH (S.U.)	6.60
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	608
Conductivity	45.2 ms
% Solids	1.42
Turbidity	Yes No
Color	
TSS (%)	LO
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 2 / 23
Receiving ID#	T05022302
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	10:00
Time out	
Received by	<i>J. Adams</i>
Sampled by	<i>M. Jefferson</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	>140
pH (S.U.)	6.62
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	63.5
Conductivity	45.005
% Solids	1.99
Turbidity	Yes No
Color	
TSS (%)	<0
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Adams</i>

Receiving & Departure Approval Form

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 20 / 23
Receiving ID#	IC5023104
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	06:30
Time out	
Received by	<i>J. Decker</i>
Sampled by	<i>J. Gardner</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.34
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	280 <i>mf</i>
% Solids	1.910
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. Gardner</i>

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 1 / 23
Receiving ID#	TOSD12303
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	12:30
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 140
pH (S.U.)	6.48
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.05
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	62.7
Conductivity	43.85 ms
% Solids	7.53
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	<i>[Signature]</i>
Lab Signature/Initials	<i>[Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	05 / 01 / 23
Receiving ID#	105012362
Manifest #	Line
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>J. D. [Signature]</i>
Sampled by	<i>J. D. [Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	2140
pH (S.U.)	6.58
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	60.8
Conductivity	37.0 <i>umS</i>
% Solids	1.23
Turbidity	Yes No
Color	
TSS (%)	< 0.1
Radiation Screen (as needed)	
Lab Signature/Initials	<i>J. D. [Signature]</i>

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	5 / 1 / 23
Receiving ID#	105012301
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

LAB INFORMATION	
Compatible? (RT#)	
PCBs (ppm) (Oily Waste Only)?	
TOC ppm (CC Waste Only)?	
Flash Point (F)	> 142
pH (S.U.)	6.6
Cyanides? (mg/L)	
Sulfides? (ppm)?	
Specific Gravity	1.04
Physical Description	
Stream Consistency	Yes No
Oil in Sample?	Yes No
Temperature (F)	64.4
Conductivity	34.0
% Solids	0.48
Turbidity	Yes No
Color	
TSS (%)	6.2
Radiation Screen (as needed)	
Lab Signature/Initials	<i>[Signature]</i>

Receiving & Departure Approval Form

WASTE PROFILES



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
6440234743

Expiration Date
3/28/2024

I. Decision Request: Initial Recertification Change

Disposal Facility: 6440 - Detroit Ind Well

Generator Name: BME DEMETER RNG

Generator Site Address: 6321 CUBA VALLEY ROAD

City: DANE

County:

State: WI

Zip:

Name of Waste: CHROMIUM CONTAMINATED WATER

Estimated Annual Volume: 8000 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: 4/5/2023

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: 5.1.23

Name (Printed): JOHN FROST

Republic Industrial and Energy Solutions, LLC
 28470 Curtis Dr, Romulus, MI 48174 Telephone 734 948 1000. Fax 734 948 1002

GENERATOR WASTE PROFILE
 Profile # _____

GENERATOR INFORMATION

Name: EME Demeler RING USEPA ID # WIRO00180943
 Facility Address: 6821 Cuba Valley Road SIC/NAICS Code: State Code: _____
 City: Dane State: WI Zip Code: 53528
 Contact: Jeff Gibbons Title: Site Project Mgr Phone: (734) 207-1284 Fax: () _____

BILLING INFORMATION

SAME AS ABOVE

Company Name: Allsource Environmental LLC

Address: 17W776 Butlerfield Road, #102C

City: Oakbrook Terrace State: IL Zip Code: 60181

Attention: JH White Title: Partner Phone: (734) 417-9410 Fax: () _____

WASTE INFORMATION

Name of Waste/Common Chemical Name:
Chromium contaminated water

Process Generating Waste (Please be specific, incomplete information may delay the approval process):
WATER USED TO COOL EXOTHERMIC REACTION OF SPENT SPONGE WASTE.

USEPA / STATE WASTE IDENTIFICATION

- This waste is considered to be: Non Hazardous Liquid Industrial Waste Hazardous Waste
- Regulated by TSCA? DYES (NO) (POB, etc.)
- List All Applicable Waste Codes: D007

PHYSICAL CHARACTERISTICS OF WASTE

Color: White/Clear 0-1 % 3-5 % 1-3 % >5% Other _____

Black/Brown Other _____

pH: <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 - None PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX MIN	CONSTITUENT	MAX MIN
Water	100	100	
Chromium (PPM)	70	100	

Republic Industrial & Energy Solutions - 28470 Clifton Drive - Romulus - MI - 48174

Waste Profile - Page 2

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

TCLP DTOTAL

	Not Concentration		Present		DOT	Explosives	DTOTAL
	Present	Concentration	Present	Concentration			
PCB	<input type="checkbox"/>	ppm	<input type="checkbox"/>	Aromatic Amine <u> </u> ppm	0004	<input type="checkbox"/>	ppm
Dioxins	<input type="checkbox"/>	ppm	<input type="checkbox"/>	Pesticides <u> </u> ppm	0005	<input type="checkbox"/>	ppm
Cyanides Reactive	<input type="checkbox"/>	ppm	<input type="checkbox"/>	Rodenticides <u> </u> ppm	0008	<input type="checkbox"/>	ppm
Cyanides Total	<input type="checkbox"/>	ppm	<input type="checkbox"/>	Fungicides <u> </u> ppm	0007	<input type="checkbox"/>	ppm
Sulfides Reactive	<input type="checkbox"/>	ppm	<input type="checkbox"/>	Mercury (Hg) <u> </u> ppm	0009	<input type="checkbox"/>	ppm
Sulfides Total	<input type="checkbox"/>	ppm	<input type="checkbox"/>	Selenium (Se) <u> </u> ppm	0010	<input type="checkbox"/>	ppm
				Silver (Ag) <u> </u> ppm	0011	<input type="checkbox"/>	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 Strongly Reactive Reactive (other) DOT Explosives
 NIOSH Human-Positive Carcinogens NEHSAP 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 Hazardous Waste Liquid, N.O.S. Hazard Class 9 UN/NA NA5882
 PG III ERG _____ Hazardous Constituents for "I.O.S." Chromium
 4 Method of Shipment: Bulk Tanker Rail Car Drums
 5. Number of Units to Ship Now 2 Loads 8. Anticipated Volume / Units per Year 5000 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 so 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 contact any businesses Any connections Republic Industrial & Energy Solutions makes will be consistent with the results of the sample characterization and/or regulatory requirements.

Printed Name: Michael T. Kyer This: Senior EHS Manager
 Generator's Signature: Michael T. Kyer Date: 3/28/23

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quantum 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 281-Appendix F. 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. _____ 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

3/16/23 Pre Q20

IBI Chromium Contaminated Water
Genis BMI Demeter RNG

25.014

W.Solids: 0.78 23241 - 23.227 : 0.014
1.787

F.R. 2140 Sand: 7.06 in S

pH 6.99 W.Solids: 0.78

CV < 30 W.TSS < 0.1

S2 < 200 Color: Black

Sp.Gr. 1.03

Corro Compatibility

#1 HCl → Sample ⇒ No Rx / No ATP

#2 Sample → Electrolytic Ni Plating Sol ⇒

#3 → Endura Coating (Electrolytic Ni) ⇒

#4 → C3C (Leachate) ⇒

#5 → CFL (Leachate) ⇒

#6 → CW Dayton (As Water) ⇒

#7 → Cycle Chem (PHB) ⇒

#8 → ESS Acid ⇒

Compatibility Sample is Compatible w/ All
Tested Waste Streams

FINGERPRINT FORM

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	3/10/23
Receiving ID#	Chromium Contaminated water
Manifest #	Line
Land Ban Cert included	Yes
EGT Approval #	No
Generator	BME Demeter RNG
Client	
Transporter	
Time in	
Time out	
Received by	J. W. [Signature]
Sampled by	J. Clout

LAB INFORMATION	
Compatible? (RT#)	Y
PCBs (ppm) (Oily Waste Only)?	N/A
TOC ppm (CC Waste Only)?	
Flash Point (F)	>100
pH (S.U.)	6.99
Cyanides? (mg/L)	<30
Sulfides? (ppm)?	<200
Specific Gravity	1.03
Physical Description	Liquid
Stream Consistency	Yes (No)
Oil in Sample?	Yes (No)
Temperature (F)	64.1
Conductivity	7.06 mS
% Solids	0.78
Turbidity	YES
Color	Black
TSS (%)	<0.1
Radiation Screen (as needed)	YES
Lab Signature/Initials	J. W. [Signature]

(See Attached Job Notes)

Receiving & Departure Approval Form

WORK ORDER

COMPANY	
COMPANY NAME (the "Company"): All Source Environmental LLC	
ATTN: JR White	
ADDRESS: 17W775 Butterfield Road Suite 102	
CITY: Oakbrook Terrace	ZIP CODE: 60181
STATE: IL	
TEL NO.: 630-417-9410	FAX NO.:

REPUBLIC	
LEGAL ENTITY NAME ("Republic"): Republic Industrial and Energy Solutions, LLC	
ADDRESS: 28470 Citrin Drive	
CITY: Romulus	ZIP CODE: 48174
STATE: MI	
AUTHORIZED BY: John F	TITLE: G.M
CONTACT: Tim J	TITLE:

This Work Order is entered into by and between Company and Republic in accordance with the terms and conditions of the Deep Well Master Disposal Agreement entered into by and between Company and Republic dated 08/23, 2021.

1. **Services and Base Rates:**

Description of Services to be Provided	Rate	Unit
Disposal of Chromium Contaminated water 6440234743	\$0.65	Per gallon
Tanker washout if needed	\$400.00	each
	\$	

2. **Term:** Services shall begin on 04/06/2023 and end on 03/28/2024.

3. **Additional Fees/Charges:** The Services shall be subject to the following additional fees/charges:

If total suspend solids exceed 5% a \$0.25 per gallon surcharge maybe added

COMPANY

Nick Kovanda

SIGNATURE (AUTHORIZED REPRESENTATIVE)

Nick Kovanda, General Mngnr/Partner

NAME AND TITLE (PLEASE PRINT)

DATE: 4/6/23

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

John Frost

SIGNATURE (AUTHORIZED REPRESENTATIVE)

John Frost Ops Mgr

NAME AND TITLE (PLEASE PRINT)

DATE: 5.1.23



**REPUBLIC
SERVICES**

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

Republic Industrial and Energy Solutions, LLC

Required notice of waste acceptance [40 CFR 264.12(b)]

Generator: BME Demeter RNG

Generator Address: 6321 Cuba Valley RD. Dane WI 53529

Waste Name: Chromium Contaminated water

Waste Codes: D007

RIES approval number: 6440234743

Republic Industrial and Energy Solutions, LLC (RIES) hereby informs the waste generator identified above that RIES has all of the appropriate permits and licenses and will accept the waste stream identified by the above waste name and RIES approval number

Signature: _____

John Frost Operations Manager

Date: _____

5-1-23



REPUBLIC
SERVICES

28470 Cliff Drive, Rockville, MD 48174
© 734.925.1000 REPUBLICSERVICES.COM

Republic Industrial and Energy Solutions, LLC

Required notice of waste acceptance [40 CFR 264.12(b)]

Generator: Terrapure BR LTD

Generator Address: 1333 Tonolli Road, Mississauga ON

Waste Name: Battery Acid

Waste Codes: D002, D006, D008

RIES approval number: 6440236191

Republic Industrial and Energy Solutions, LLC (RIES) hereby informs the waste generator identified above that RIES has all of the appropriate permits and licenses and will accept the waste stream identified by the above waste name and RIES approval number

Signature:

John Frost Operations Manager

Date:

05-30-23

John Frost, General Manager

WORK ORDER

COMPANY	
COMPANY NAME (the "Company"): TERRAPURE BR LTD	
ATTN: EYOB DESTA	
ADDRESS: 1333 TONOLLI ROAD	
CITY: MISSISSAUGA	ZIP CODE: L4Y-4C2
STATE: ON	
TEL NO.: 905-281-6021	FAX NO.:

REPUBLIC	
LEGAL ENTITY NAME ("Republic"): Republic Industrial and Energy Solutions, LLC	
ADDRESS: 28470 CITRIN DRIVE	
CITY: ROMULUS	
ZIP CODE: 48174	
STATE: MI	
AUTHORIZED BY: JOHN F	TITLE:
CONTACT: TIM	TITLE:

This Work Order is entered into by and between Company and Republic in accordance with the terms and conditions of the Deep Well Master Disposal Agreement entered into by and between Company and Republic dated 05-09 2023.

1. Services and Base Rates

Description of Services to be Provided	Rate	Unit
DISPOSAL OF BATTERYACID APPROVAL 644023 INCLUDES ERI FEE	\$0.3103	PER GALLON
TANKER WASH PUT IF NEEDED	\$400.00	EACH
	\$	

2. Term: Services shall begin on 05/09/23 and end on 04/27/2024

3. Additional Fees/Charges: The Services shall be subject to the following additional fees/charges:

IF TOTAL SUSPENDED SOLIDS EXCEED 5% A \$0.25 PER GALLON SURCHARGE MYBE APPLIED

COMPANY

ED

REPUBLIC INDUSTRIAL AND ENERGY SOLUTIONS, LLC

JFCDE

SIGNATURE (AUTHORIZED REPRESENTATIVE)

SIGNATURE (AUTHORIZED REPRESENTATIVE)


NAME AND TITLE (PLEASE PRINT)

John Blain *General Manager*

NAME AND TITLE (PLEASE PRINT)

DATE:

05-20-23

 REPUBLIC SERVICES	Republic Services 18500 N. Allied Way, Phoenix, AZ 85054
SPECIAL WASTE DEPARTMENT DECISION	
Waste Profile # 6440236191	Expiration Date 4/27/2024
I. Decision Request: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change	
Disposal Facility: 6440 - Detroit Ind Well	
Generator Name: TERRAPURE BR LTD	
Generator Site Address: 1333 TONOLLI RD	
City: MISSISSAUGA	County: State: ON
Name of Waste: BATTERY ACID	
Estimated Annual Volume: 800,000 Gallons	

II. Special Waste Department Decision:

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: 5/9/2023


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: 5/9/2023

Name (Printed): JOHN BAKA



05-30-23



Republic Services

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile # 6440236191	Expiration Date 4/27/2024
<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Recertification <input type="checkbox"/> Change	
Disposal Facility: 6440 - Detroit Ind Well	
Generator Name: TERRAPURE BR LTD	
Generator Site Address: 1333 TONOLLI RD	
City: MISSISSAUGA	State: ON
Name of Waste: BATTERY ACID	Zip: []
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: 5/9/2023

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: 5/9/2023

Name (Printed): _____

Republic Industrial and Energy Solutions, LLC

GENERATOR WASTE PROFILE

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

Profile # 6440236191

GENERATOR INFORMATION

Name: Terrapure BR Ltd USERPA ID # _____
 Facility Address: 1333 Tonolli Rd SIC/NAICS Code: State Code: NAICS CODE 331490
 City: Mississauga State: ONTARIO Zip Code: L4Y 4C2
 Contact: Eyob Desta Title: Assistant Plant Manager Phone: 905) 281-6021 Fax: 905) 896-3415

BILLING INFORMATION

Company Name: Terrapure BR Ltd SAME AS ABOVE

Address: _____
 City: _____ State: _____ Zip Code: _____
 Attention: _____ Title: _____ Phone: () _____ Fax: () _____

WASTE INFORMATION

Name of Waste/Common Chemical Name: BATTERY ACID

Process Generating Waste (Please be specific, incomplete information may delay the approval process):
Sulfuric Acid obtained from lead acid batteries by crushing intact to recycling operations.

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 D008 D008

PHYSICAL CHARACTERISTICS OF WASTE

Color:	Suspended Solids	Layers:	Specific Gravity:
<input checked="" type="checkbox"/> White/Clear	<input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 %	<input type="checkbox"/> Multi layered	<input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 - 1.2
<input type="checkbox"/> Black/Brown	<input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	<input checked="" type="checkbox"/> Bi-Layered	<input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4
<input type="checkbox"/> Other		<input type="checkbox"/> Single Phase	Except / Other _____
pH: <input type="checkbox"/> < 2 <input type="checkbox"/> 2 - 4 <input type="checkbox"/> 4 - 6		<input type="checkbox"/> 6 - 8 <input type="checkbox"/> 8 - 10 <input type="checkbox"/> 10 - 12.5 <input type="checkbox"/> > 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 <=> 1= 0.1%)

CONSTITUENT	MAX MIN	CONSTITUENT	MAX MIN
Water	99	80	%
Sulfuric Acid	20	10	%
Solids	3	0	%

F039 Analysis

ANALYTICAL REPORT

PREPARED FOR

Attn: Rick Sauve
Republic Industrial and Energy Solutions
28470 Citrin Dr
Romulus, Michigan 48174

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JOB DESCRIPTION

REIS May 2023 F039

JOB NUMBER

190-31856-1

Eurofins Michigan
10448 Citation Drive
Suite 200
Brighton MI 48116

See page two for job notes and contact information.

Page 1 of 15

Eurofins Michigan

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization

Sue Schafer

Authorized for release by
Sue Schafer, Project Manager II
Sue.Schafer@et.eurofinsus.com
(810)229-2763

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Table of Contents

Cover Page	1
Table of Contents	3
Sample Summary	4
Case Narrative	5
Client Sample Results	6
QC Sample Results	7
Definitions/Glossary	9
Chain of Custody	10
Isotope Dilution Summary	15

Client: Republic Industrial and Energy Solutions
Project/Site: REIS May 2023 F039

Sample Summary

Job ID: 190-31856-1

Lab Sample ID 190-31856-1	Client Sample ID May 2023 F039	Matrix Water	Collected 05/05/23 09:40	Received 06/05/23 14:09
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Case Narrative

Client: Republic Industrial and Energy Solutions
Project/Site: REIS May 2023 F039

Job ID: 190-31856-1

Job ID: 190-31856-1

Laboratory: Eurofins Michigan

Narrative

Job Narrative
190-31856-1

Receipt

The sample was received on 6/5/2023 2:09 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.8°C

GC/MS Semi VOA

Method 8270E: The following sample was diluted due to the nature of the sample matrix: May 2023 F039 (190-31856-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Pesticides

Method 8081B: The following sample was diluted due to the nature of the sample matrix: May 2023 F039 (190-31856-1). As such, surrogate recoveries may be below the calibration range, and elevated reporting limits (RLs) are provided.

Method 8081B: The following sample was received outside of holding time: May 2023 F039 (190-31856-1).

Method 8081B: The following sample appears to contain an unknown pattern: May 2023 F039 (190-31856-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Dioxin

Method 8290A: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: May 2023 F039 (190-31856-1). The reporting limits (RLs) have been adjusted proportionately.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Republic Industrial and Energy Solutions
 Project/Site: REIS May 2023 F039

Job ID: 190-31856-1

Client Sample ID: May 2023 F039

Date Collected: 05/05/23 09:40

Date Received: 06/05/23 14:09

Lab Sample ID: 190-31856-1

Matrix: Water

5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrosodimethylamine	<21	H H3	21	ug/L		06/12/23 08:53	06/15/23 13:06	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	57		31 - 140			06/12/23 08:53	06/15/23 13:06	20
Phenol-d5 (Surr)	0	S1-	18 - 120			06/12/23 08:53	06/15/23 13:06	20
Nitrobenzene-d5 (Surr)	54		13 - 120			06/12/23 08:53	06/15/23 13:06	20
2-Fluorophenol (Surr)	39		12 - 120			06/12/23 08:53	06/15/23 13:06	20
2-Fluorobiphenyl (Surr)	54		23 - 120			06/12/23 08:53	06/15/23 13:06	20
2,4,6-Tribromophenol (Surr)	153	S1+	10 - 126			06/12/23 08:53	06/15/23 13:06	20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<68	H H3	68	ug/L		06/08/23 08:47	06/12/23 13:59	1000
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	15	p	10 - 145			06/08/23 08:47	06/12/23 13:59	1000
Tetrachloro-m-xylene	20	p	10 - 123			06/08/23 08:47	06/12/23 13:59	1000

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	<220		220		pg/L		06/28/23 15:07	07/01/23 03:44	1
1,2,3,4,7,8-HxCDD	<220		220		pg/L		06/28/23 15:07	07/01/23 03:44	1
1,2,3,6,7,8-HxCDD	<220		220		pg/L		06/28/23 15:07	07/01/23 03:44	1
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	33000		430		pg/L		06/28/23 15:07	07/01/23 03:44	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	1800		960		pg/L		06/28/23 15:07	07/01/23 03:44	1
2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<43		43		pg/L		06/28/23 15:07	07/01/23 03:44	1
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
13C-1,2,3,4,7,8-HxCDD	73		40 - 135			06/28/23 15:07	07/01/23 03:44	1	
13C-1,2,3,6,7,8-HxCDD	77		40 - 135			06/28/23 15:07	07/01/23 03:44	1	
13C-1,2,3,7,8,9-HxCDD	87		40 - 135			06/28/23 15:07	07/01/23 03:44	1	
13C-OCDD	89		40 - 135			06/28/23 15:07	07/01/23 03:44	1	
13C-OCDF	86		40 - 135			06/28/23 15:07	07/01/23 03:44	1	
13C-2,3,7,8-TCDD	78		40 - 135			06/28/23 15:07	07/01/23 03:44	1	

QC Sample Results

Client: Republic Industrial and Energy Solutions
 Project/Site: REIS May 2023 F039

Job ID: 190-31856-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-576770/23-A

Matrix: Water

Analysis Batch: 577031

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 576770

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrosodimethylamine	<1.0		1.0	ug/L		06/12/23 08:53	06/13/23 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Terphenyl-d14 (Surr)	82		31 - 140			06/12/23 08:53	06/13/23 20:39	1
Phenol-d5 (Surr)	29		18 - 120			06/12/23 08:53	06/13/23 20:39	1
Nitrobenzene-d5 (Surr)	71		13 - 120			06/12/23 08:53	06/13/23 20:39	1
2-Fluorophenol (Surr)	45		12 - 120			06/12/23 08:53	06/13/23 20:39	1
2-Fluorobiphenyl (Surr)	72		23 - 120			06/12/23 08:53	06/13/23 20:39	1
2,4,6-Tribromophenol (Surr)	53		10 - 126			06/12/23 08:53	06/13/23 20:39	1

Lab Sample ID: LCS 240-576770/24-A

Matrix: Water

Analysis Batch: 577031

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 576770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrosodimethylamine	20.0	6.39		ug/L		32	10 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Terphenyl-d14 (Surr)	94		31 - 140				
Phenol-d5 (Surr)	36		18 - 120				
Nitrobenzene-d5 (Surr)	94		13 - 120				
2-Fluorophenol (Surr)	56		12 - 120				
2-Fluorobiphenyl (Surr)	87		23 - 120				
2,4,6-Tribromophenol (Surr)	90		10 - 126				

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 240-576398/23-A

Matrix: Water

Analysis Batch: 576762

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 576398

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	<0.050		0.050	ug/L		06/08/23 08:47	06/12/23 13:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	64		10 - 145			06/08/23 08:47	06/12/23 13:35	1
Tetrachloro-m-xylene	60		10 - 123			06/08/23 08:47	06/12/23 13:35	1

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin	0.250	0.238		ug/L		95	26 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl	74		10 - 145				

Lab Sample ID: LCS 240-576398/24-A

Matrix: Water

Analysis Batch: 576762

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 576398

QC Sample Results

Client: Republic Industrial and Energy Solutions
 Project/Site: REIS May 2023 F039

Job ID: 190-31856-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 240-576398/24-A
 Matrix: Water
 Analysis Batch: 576762

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 576398

Surrogate	%Recovery	LCS	LCS	Qualifier	Limits
Tetrachloro-m-xylene	65				10 - 123

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 410-391829/1-A
 Matrix: Water
 Analysis Batch: 392016

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 391829

Analyte	MB Result	MB	MB	Qualifier	RL	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-Hexachlorodibenzo-p-dioxin	<25				25		06/28/23 15:07	06/29/23 02:52	1
1,2,3,4,7,8-HxCDD	<25				25		06/28/23 15:07	06/29/23 02:52	1
1,2,3,6,7,8-HxCDD	<25				25		06/28/23 15:07	06/29/23 02:52	1
1,2,3,4,6,7,8,9-Octachlorodibenzofura	<50				50		06/28/23 15:07	06/29/23 02:52	1
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	<110				110		06/28/23 15:07	06/29/23 02:52	1
2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	<5.0				5.0		06/28/23 15:07	06/29/23 02:52	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDD	80		40 - 135				06/28/23 15:07	06/29/23 02:52	1
13C-1,2,3,6,7,8-HxCDD	79		40 - 135				06/28/23 15:07	06/29/23 02:52	1
13C-1,2,3,7,8,9-HxCDD	76		40 - 135				06/28/23 15:07	06/29/23 02:52	1
13C-OCDD	68		40 - 135				06/28/23 15:07	06/29/23 02:52	1
13C-OCDF	72		40 - 135				06/28/23 15:07	06/29/23 02:52	1
13C-2,3,7,8-TCDD	87		40 - 135				06/28/23 15:07	06/29/23 02:52	1

Lab Sample ID: LCS 410-391829/2-A
 Matrix: Water
 Analysis Batch: 392016

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 391829

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1000	1070		pg/L		107	56 - 139
1,2,3,4,7,8-HxCDD	1000	1070		pg/L		107	58 - 139
1,2,3,6,7,8-HxCDD	1000	1050		pg/L		105	57 - 139
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	2000	2000		pg/L		100	29 - 154
1,2,3,4,6,7,8,9-Octachlorodibenz o-p-dioxin	2000	1940		pg/L		97	27 - 156
2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)	200	221		pg/L		110	51 - 163
Isotope Dilution	%Recovery	Qualifier	Limits				
13C-1,2,3,4,7,8-HxCDD	80		40 - 135				
13C-1,2,3,6,7,8-HxCDD	81		40 - 135				
13C-1,2,3,7,8,9-HxCDD	81		40 - 135				
13C-OCDD	73		40 - 135				
13C-OCDF	73		40 - 135				
13C-2,3,7,8-TCDD	85		40 - 135				

Definitions/Glossary

Client: Republic Industrial and Energy Solutions
 Project/Site: REIS May 2023 F039

Job ID: 190-31856-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
P	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

MICHIGAN Chain of Custody Record 640497

Address: RIES
 2870 Grand Drive
 Romulus, MI 48174

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: Rich Sullivan		Site Contact:	
Company Name: Ries Environmental Testing Services, Inc.		Self-Email: ries@riesenv.com		Lab Contact:	
Address: 2870 Grand Drive		City/State/Zip: Romulus, MI 48174		Phone: 734-246-1800	
Fax: 734-246-1800		Project Name: Ries My 2023 F039		Site: 05-05-2023 F039	
P O #		Sample Date		Sample Identification	
<input type="checkbox"/> 1 day		Sample Time		Sample # of	
<input type="checkbox"/> 2 days		Sample Type (C=Comp, G=Grab)		Matrix	
<input type="checkbox"/> 1 week		TAT if different from Below		Cont.	
<input type="checkbox"/> 2 weeks		<input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		Filtered Sample (Y/N)	
Analysis Turnaround Time		Perform MS / MSD (Y/N)		Performs MS / MSD (Y/N)	

Sample #	Sample Type	Sample Matrix	Sample Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Performs MS / MSD (Y/N)	Remarks
1				X	X	X	ALL DATA
2				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
3				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
4				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
5				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
6				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
7				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
8				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
9				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02
10				X	X	X	PERMITS CHLORIDE DISPOSED IN 19-0104-02



Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments:

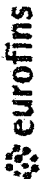
Custody Seals Intact: Yes No

Custody Seal No.:

Cooler Temp. (°C): Obs'd: _____

Term ID No.:

Relinquished by: Rich Sullivan	Company: RIES	Date/Time: 05/23/2023	Received by: Wm M...	Company: EBM	Date/Time: 6/5/23
Relinquished by: Wm M...	Company: EBM	Date/Time: 6/5/23	Received by: Wm M...	Company: EBM	Date/Time: 6/5/23
Relinquished by: Wm M...	Company: EBM	Date/Time: 6/5/23	Received by: Wm M...	Company: EBM	Date/Time: 6/5/23



Environment Testing
TestAmerica

SDS or Known Hazard Information Supplied by Client
 Discrepancies
 Short Hold

Client ID: REIS

Work Order #: 31656

Cooler / Sample Receipt

After hours receipt: complete gray areas. Place cooler in walk-in, place form in Receiving box. Date: _____ Time: _____

Rush 24 Hr 2-Day 3-Day 5-Day Other:
Receipt Evaluation Performed by: Initials: HA Date: 6/5/23 Time: 1:40P

Method of Shipment:

Walk-In Client Eurofins TA Field Courier

Other Client / 3rd Party Courier: _____

Fed Ex Tracking #: _____

UPS Tracking #: _____

Other: _____

Shipping Container Type:
 Cooler Box
 None Other: _____

Custody Seals Intact:

Yes No
 NA (not used or required)

Packing Materials:

Plastic Bags Foam
 Bubble Wrap Paper

Cooling Materials:

Ice (Solid) Ice (Melted)
 Blue Ice None
 Packing Peanuts None
 Other: _____

Bacteriological Temp Corrected (°C)
Samples

Frozen? Yes No Rec'd Within 2 Hrs? Yes No Sample Flagged? Yes No

Received on same day sampled? Yes No Additional Sheets Required? Yes No

Receipt Temperatures

Thermometer ID Observed (°C) Corrected (°C)

CP313207 5.8 5.8

Temp Blank	Sample Temp	Acceptable	Cooler ID	Affected Samples
	<u>X</u>	<u>Y</u>	<u>N</u>	
		<u>Y</u>	<u>N</u>	
		<u>Y</u>	<u>N</u>	

Receipt Questions**

	Y	N	NA	"No" answers require additional comment
CoC present and ETA receipt signature, date, and time properly documented?	<input checked="" type="checkbox"/>			
Containers and Labels in good condition? (unbroken, not leaking, appropriately filled, labels legible & attached)	<input checked="" type="checkbox"/>			
Appropriate containers used and adequate volume provided?	<input checked="" type="checkbox"/>			Preserved bottles checked for pH? Yes No
Number of sample containers match CoC?	<input checked="" type="checkbox"/>			pH strip lot # _____
Samples received within hold?	<input checked="" type="checkbox"/>			
Samples submitted for GRO and Volatiles analysis (8260, 624, 524) received without headspace?			<input checked="" type="checkbox"/>	
Was a Trip Blank received with VOA samples?			<input checked="" type="checkbox"/>	
Were the samples free of any questionable physical conformities? (i.e.; field duplicates or multiple bottles of the same sample do not significantly vary in appearance - color, solid proportions, etc.)	<input checked="" type="checkbox"/>			
Were the CoC bottle labels and all other items free of all other discrepancies or issues that would need to be addressed with the Project Manager and/or Client?	<input checked="" type="checkbox"/>			Received limited amount of sample.
**May not be applicable if samples are not for compliance testing				*Excludes FOG, VOAs, TOC Vials, HEM

Client Contact Record

Contact Via: Phone Email Other: _____ Person Contacted: _____ Date/Time: _____

Discrepancy allowance agreement is on record in the client project file

Discussion / Resolution

Any additional documentation and clarification from the client must be noted in the narrative and/or scanned into the CoC directory.

Reviewed by Neil Dal Date: 6/5/23

WI-MI-010_020720

0.8/0.0

Chain of Custody Record



eurofins

Environment America

Client Information (Sub Contract Lab)

Sampler: Schärer, Sue
 Client Contact: Schärer, Sue
 Shipping/Receiving: Schärer, Sue
 Company: Eurofins Environment Testing North Cent

Address: 180 S. Van Buren Avenue, Barton, OH, 44203
 Phone: 330-497-9396 (Tel) 330-497-0722 (Fax)
 PO #: [Blank]
 Email: [Blank]

Project Name: REIS May 2023 F039
 Project #: 19001517
 SOW#: [Blank]

Due Date Requested: 6/19/2023
 TAT Requested (days): [Blank]

Lab PM: Sue Schärer@eurofins.com
 E-Mail: Sue.Schärer@eurofins.com
 State of Origin: Michigan
 Page: Page 1 of 1
 Job #: 190-36334.1
 COC No: 190-36334.1

Analysis Requested

Preservation Codes: [Blank]

Other:
 A. HCL
 B. NaOH
 C. Zn Acetate
 D. Nitric Acid
 E. NaHSO4
 F. MeOH
 G. Amchlor
 H. Ascorbic Acid
 I. Ice
 J. DI Water
 K. EDTA
 L. EDA
 M. Hexane
 N. None
 O. AsNaO2
 P. Na2O4S
 Q. Na2SO3
 R. Na2S2O3
 S. H2SO4
 T. TSP Dodecahydrate
 U. Acetone
 V. MCAA
 W. pH 4-5
 X. Tizma
 Y. Tizma
 Z. other (specify)

Sample Identification - Client ID (Lab ID)

Sample Date: 5/5/23
 Sample Time: 09:40 Eastern
 Matrix: Water
 Sample Type (C=comp, G=grab): [Blank]
 Preservation Code: [Blank]

Project Name: REIS May 2023 F039
 Project #: 19001517
 SOW#: [Blank]

City: Barton, OH, 44203
 State, Zip: OH, 44203
 Phone: 330-497-9396 (Tel) 330-497-0722 (Fax)
 PO #: [Blank]
 Email: [Blank]

Due Date Requested: 6/19/2023
 TAT Requested (days): [Blank]

Address: 180 S. Van Buren Avenue, Barton, OH, 44203
 Phone: 330-497-9396 (Tel) 330-497-0722 (Fax)
 PO #: [Blank]
 Email: [Blank]

Project Name: REIS May 2023 F039
 Project #: 19001517
 SOW#: [Blank]

City: Barton, OH, 44203
 State, Zip: OH, 44203
 Phone: 330-497-9396 (Tel) 330-497-0722 (Fax)
 PO #: [Blank]
 Email: [Blank]

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Matrix	Sample Type (C=comp, G=grab)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B/3510C Aldrin	9270E/3510C LVI Nitrosodimethylamine	Total Number of Containers	Special Instructions/Note:
May 2023 F039 (190-31856-1)	5/5/23	09:40 Eastern	Water			X	X			2	Nitrosodimethylamine in the analyte list

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing North Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing North Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing North Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing North Central, LLC.

Possible Hazard Identification

Unconfirmed
 Deliverable Requested: I, II, III, IV, Other (specify) _____
 Primary Deliverable Rank: 2
 Special Instructions/QC Requirements:
 Return To Client
 Dispose By Lab
 Archive For _____ Months

Empty Kit Relinquished by: Date: _____ Time: _____ Method of Shipment: _____

Relinquished by: Date/Time: 6/6/23 17:00 Company: [Blank]
 Date/Time: [Blank] Company: [Blank]
 Date/Time: [Blank] Company: [Blank]

Custody Seal No.: _____
 Custody Seals Intact: Yes No

Cooler Temperature(s) °C and Other Remarks: _____

Company: [Blank]
 Date/Time: [Blank]
 Company: [Blank]
 Date/Time: [Blank]
 Company: [Blank]

Eurofins - Canton Sample Receipt Form/Narrative Login # : _____
Barborton Facility

Client Eurofins Michigan Site Name _____ Cooler unpacked by: Rachelle Haddock
Cooler Received on 6-7-23 Opened on 6-7-23
FedEx 1st Grd Exp UPS FAS Clipper Client Drop Off Eurofins Courier Other
Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Rlastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Water None _____
Dry Ice _____ See Multiple Cooler Form

1. Cooler temperature upon receipt _____
IR GUN # 18 (CF 0.2 °C) Observed Cooler Temp. 0.8 °C Corrected Cooler Temp. 0.6 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____
-Were the seals on the outside of the cooler(s) signed & dated? Yes No
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No NA
-Were tamper/custody seals intact and uncompromised? Yes No NA

3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No

9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?
10. Were correct bottle(s) used for the test(s) indicated? Yes No
11. Sufficient quantity received to perform indicated analyses? Yes No
12. Are these work share samples and all listed on the COC? Yes No

If yes, Questions 13-17 have been checked at the originating laboratory.
13. Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# 10BDH4321
14. Were VOAs on the COC? Yes No
15. Were air bubbles >6 mm in any VOA vials? Yes No
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____
17. Was a LL Hg or Me Hg trip blank present? Yes No

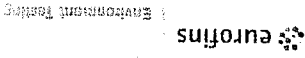
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES additional next page Samples processed by: _____

19. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) _____
Time preserved: _____ Preservative(s) added/Lot number(s): _____ were further preserved in the laboratory.
VOA Sample Preservation - Date/Time VOAs Frozen: _____

Chain of Custody Record



Client Information (Sub Contract Lab)

Lab Pin: Schärer, Sue
E-Mail: Sue.Schaerer@el.eurofins.com
Company: Eurofins Lancaster Laboratories Environm

Client Contact: Schärer, Sue
Phone: Sue.Schaerer@el.eurofins.com
State of Origin: Michigan
Page: Page 1 of 1

COCC No: 190-36335.1

Address: 2425 New Holland Pike,
City: Lancaster
State Zip: PA, 17601
Phone: 717-656-2300(Tel)
Email: 717-656-2300(Tel)

Project Name: REIS May 2023 F039
Project # 19001517
SSOW #

PO #
WO #
TAT Requested (days): 6/19/2023
Due Date Requested: 6/19/2023

Analysis Requested

Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - NaOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2CO3, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, X - other (specify)

Other:
Analysis Requested: Field Filtered Sample (Yes or No)
 Perform MS/MSD (Yes or No)
82000AR200_P_Sep (MOD) Project List

Sample Identification - Client ID (Lab ID): May 2023 F039 (190-31856-1)

Sample Date: 5/5/23
Sample Time: 09:40
Sample Matrix: Water
Sample Type: (over) (under) (solid) (liquid) (gas)
Sample (C=Comp, G=Grab)
Preservation Code: X

Sample Date: 5/5/23
Sample Time: 09:40
Sample Matrix: Water
Sample Type: (over) (under) (solid) (liquid) (gas)
Sample (C=Comp, G=Grab)
Preservation Code: X

Sample ID	Sample Date	Sample Time	Sample Matrix	Sample Type	Sample (C=Comp, G=Grab)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	82000AR200_P_Sep (MOD) Project List
May 2023 F039 (190-31856-1)	5/5/23	09:40	Water	(over) (under) (solid) (liquid) (gas)	(C=Comp, G=Grab)	X	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	82000AR200_P_Sep (MOD) Project List

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Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify)
Primary Deliverable Rank: 2

Empty Kit Relinquished by: *J. Schärer*
Date/Time: 6/6/23 17:00
Company:
Received by:
Date/Time:
Company:
Relinquished by:
Date/Time:
Company:
Relinquished by:
Date/Time:
Company:
Custody Seal No:
Delta Yes / No

Cooler Temperature(s) °C and Other Remarks: *Temp: 0.2 (corr: 0.3)*

HYC

Isotope Dilution Summary

Client: Republic Industrial and Energy Solutions
 Project/Site: REIS May 2023 F039

Job ID: 190-31856-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)					
		HxCDD (40-135)	HxDD (40-135)	13CHxCDD (40-135)	OCDD (40-135)	OCDF (40-135)	TCDD (40-135)
190-31856-1	May 2023 F039	73	77	87	89	86	78
LCS 410-391829/2-A	Lab Control Sample	80	81	81	73	73	85
MB 410-391829/1-A	Method Blank	80	79	76	68	72	87

Surrogate Legend

HxCDD = 13C-1,2,3,4,7,8-HxCDD

HxDD = 13C-1,2,3,6,7,8-HxCDD

13CHxCDD = 13C-1,2,3,7,8,9-HxCDD

OCDD = 13C-OCDD

OCDF = 13C-OCDF

TCDD = 13C-2,3,7,8-TCDD