

March 31, 2017

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

Re: EGT Monthly Report (in conformance with MI-163-1W-C010 & MI-163-1W-C011)

Dear Mr. Batka:

Environmental Geo-Technologies, LLC ("EGT") hereby timely submits its fortieth Monthly Report in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011).

EGT is providing all of 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.

EGT hereby timely submits its twenty-first Injection Fluid Analyses (for February, 2017) identified on both Pages A-3 of 3 also in conformance with EGT's two EPA UIC permits with the attached "Data Summary Sheet" from a contract laboratory, Ann Arbor Technical Services, Inc., and, those results demonstrate compliance with all of the limits for each of the chemical entities ("Names) identified on Page A-3 of 3 for F039 waste which EGT accepted.

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 inquiry of the person or persons who manage the system, or those persons directly responsible for gathering 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 interim report satisfactory, however, if you have any questions or comments, please feel free to contact us:

Sincerely,



Richard J. Powals, P.E.  
Vice-President

cc: J. Frost (EGT), T. Athans (EGT), P. Sullivan (EGT)

att.

rjp033117/EGTEPAMonthlyReport-February, 2017



290 South Wagner Road  
 Ann Arbor, Michigan 48103  
 Tel. 734/995-0995 Fax. 734/995-3731  
 Michigan Laboratory ID: 9604  
 Wisconsin Laboratory ID: 998321720

## Semivolatile Organic Compounds Data Summary Sheet

For: Mr. Richard Powals  
 Environmental Geo-Technologies, Inc.  
 28470 Citrin Drive  
 Romulus, MI 48174

ATS Project: Environmental Geo-Technologies, Inc. #E008-000  
 Report Date: 3/30/17  
 ATS SRF: 0301171

**Sample Identification:** February Composite 2017

Sample Date:	3/1/17	QC Batch Number:	QCORG0308171-E
Laboratory Receipt Date:	3/1/17		B7C0048
Preparation Date:	3/8/17	Sample Matrix:	Wastewater
Analysis Date:	3/27/17	Dilution Factor:	500

<u>Parameter (CAS)</u>	<u>Method</u>	<u>Units</u>	<u>Result</u>	<u>Reporting Limit</u>
Aldrin (309-00-2)	EPA 8270 Mod	mg/mL	<0.00001	0.00001
Benzidine (92-87-5)	EPA 8270 Mod	mg/mL	<0.00075	0.00075
N-Nitrosodimethylamine (62-75-9)	EPA 8270 Mod	mg/mL	<0.0001	0.0001
Tetraethyl Lead (78-00-2)	EPA 8270 Mod	mg/mL	<0.00005	0.00005
Hexachlorodibenzo-p-dioxins	EPA 1613B	mg/mL	<0.00000000005	0.00000000005
Octachlorodibenzofuran (39001-02-0)	EPA 1613B	mg/mL	0.00000000025	0.00000000005
Octachlorodibenzo-p-dioxin (3268-87-9)	EPA 1613B	mg/mL	0.00000000016	0.00000000005
Tetrachlorodibenzo-p-dioxins	EPA 1613B	mg/mL	<0.00000000004	0.00000000004

<u>Surrogates / Labeled Standards:</u>	<u>Method</u>	<u>Percent Recovery</u>	<u>Recovery Limits</u>
2-Fluorobiphenyl	EPA 8270 Mod	105.5	(50 - 150)
Nitrobenzene-d5	EPA 8270 Mod	103.5	(50 - 150)
p-Terphenyl-d14	EPA 8270 Mod	135.4	(50 - 150)
Tetrachloro-m-xylene (TCMX)	EPA 8270 Mod	80.4	(50 - 150)
13C-1,2,3,4,7,8-HxCDD	EPA 1613B	78.7	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	EPA 1613B	71.8	(28 - 130)
13C-1,2,3,7,8,9-HxCDD	EPA 1613B	74.5	(32 - 141)
13C-OCDF	EPA 1613B	63.3	(17 - 157)
13C-OCDD	EPA 1613B	60.9	(17 - 157)
13C-2,3,7,8-TCDD	EPA 1613B	77.2	(25 - 164)

**Comments:**

USEPA Analysis 1613B performed by Vista Analytical.

## **AVERAGE INJECTION RATE**

## Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2017CURRENT REPORTING MONTH FEBRUARY

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

Nov 2013

## CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
<b>MI-163-1W-C010, Well #1-12</b>			
Current Month			518,992
Since facility first injected			8,579,906
<b>MI-163-1W-C011, Well #2-12</b>			
Current Month			105,252
Since facility first injected			4,104,076
		Lifetime Combined	12,683,982

Conversion factors

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

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

CalculationsWhole number of months of injection 39

39 lifetime number of months of injection × 43,830 minutes/month  
 = 1,709,370 minutes of injection

Lifetime combined injected volume 12,683,982 ÷ 1,709,370 minutes of injection  
 = 7.4 gpm average injection rate

## WELL 1 DATA

WELL 01 Monthly Data

Date	Min Injection Pressure (PSIG)	Max Injection Pressure (PSIG)	Min Sight Glass Level (in)	Max Sight Glass Level (in)	Min Annulus Pressure (PSIG)	Max Annulus Pressure (PSIG)	Min Injectate pH	Max Injectate pH	Min Flow Rate (GPM)	Max Flow Rate (GPM)	Min Differential Pressure (PSIG)	Max Differential Pressure (PSIG)
1/1/2017	-1.7	-0.8	23.9	24.2	949.0	949.7	1.8	9.5	0.0	0.0	950.1	951.2
1/2/2017	-1.8	-1.0	24.0	24.2	948.7	949.1	1.7	2.6	0.0	0.0	949.7	950.8
1/3/2017	-1.6	-0.6	24.0	24.2	948.5	949.0	0.6	3.1	0.0	0.0	949.2	950.4
1/4/2017	-10.0	510.5	24.0	25.1	882.8	1200.6	1.7	7.9	0.0	142.6	615.1	1019.4
1/5/2017	-10.0	496.5	23.8	24.7	887.6	1200.0	1.7	8.4	0.0	237.4	497.7	1021.6
1/6/2017	-10.0	516.8	23.7	24.8	874.7	1200.0	7.9	7.9	0.0	181.6	480.6	1085.5
1/7/2017	-9.5	396.3	23.8	25.2	831.9	1200.1	3.0	8.6	0.0	107.0	607.0	1038.0
1/8/2017	-9.9	415.1	23.9	24.1	977.2	1232.6	7.9	7.9	0.0	0.0	817.5	1043.0
1/9/2017	-9.9	-9.9	23.9	24.1	987.1	991.6	7.9	7.9	0.0	0.0	997.0	1001.5
1/10/2017	-9.9	99.0	23.8	24.1	975.2	1049.5	7.9	7.9	0.0	0.0	893.1	999.0
1/11/2017	-9.8	405.2	23.9	24.9	898.2	1200.0	2.2	7.9	0.0	0.0	623.1	1019.7
1/12/2017	-9.8	439.4	24.2	24.4	910.5	1145.5	1.1	4.4	0.0	0.0	666.7	960.9
1/13/2017	-8.2	484.9	23.8	24.8	897.1	1199.9	0.7	4.5	0.0	114.3	551.8	991.5
1/14/2017	-8.8	499.0	23.9	24.2	903.7	1166.2	0.8	3.0	0.0	108.6	636.4	982.6
1/15/2017	-7.9	-0.9	23.9	24.2	966.8	972.8	1.2	7.9	0.0	0.0	967.7	978.0
1/16/2017	-2.6	-1.8	23.9	24.2	972.7	973.5	7.9	7.9	0.0	9.2	974.6	976.0
1/17/2017	-2.6	584.8	23.5	24.1	899.0	1143.3	-5.6	17.0	0.0	81.6	542.3	1036.5
1/18/2017	-9.9	531.5	23.5	24.5	863.6	1200.1	0.6	8.9	0.0	133.7	546.2	1052.4
1/19/2017	-8.6	629.2	23.5	24.5	884.9	1200.7	1.9	8.0	0.0	103.3	376.0	1058.1
1/20/2017	81.3	590.5	23.4	24.3	894.7	1202.3	5.0	19.2	0.0	0.0	446.5	1000.9
1/21/2017	78.6	89.7	23.5	23.8	1054.7	1081.5	2.2	9.7	0.0	0.0	972.0	1002.1
1/22/2017	74.1	199.9	23.5	23.8	1081.4	1139.4	2.9	14.2	0.0	0.0	939.6	1009.2
1/23/2017	-7.6	593.3	23.6	24.9	890.2	1200.2	4.3	10.8	0.0	0.0	487.0	1009.2
1/24/2017	94.8	749.5	23.8	25.5	883.3	1200.1	7.9	8.8	0.0	0.0	228.5	895.5
1/25/2017	-8.9	692.1	23.8	24.7	890.4	1200.2	-0.5	19.2	0.0	0.0	316.1	1028.4
1/26/2017	41.1	704.5	23.8	24.0	919.6	1182.4	7.9	8.2	0.0	0.0	453.6	953.9
1/27/2017	-8.9	716.2	23.7	24.7	896.2	1199.7	1.9	15.2	0.0	177.1	309.9	983.2
1/28/2017	-4.7	-1.8	23.7	23.9	975.6	992.0	2.1	3.5	0.0	19.7	979.7	995.0
1/29/2017	-3.3	-2.4	23.7	23.9	991.9	996.6	2.4	7.9	0.0	0.0	994.6	999.7
1/30/2017	-5.8	722.3	23.6	24.8	898.7	1200.0	1.9	19.0	0.0	226.2	355.3	1024.1
1/31/2017	-4.2	750.5	23.9	25.5	890.3	1201.1	3.0	15.0	0.0	72.8	249.4	934.9

## Circle Chart Index

Environmental Geo-Technologies, 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 x 30)

Channel #2

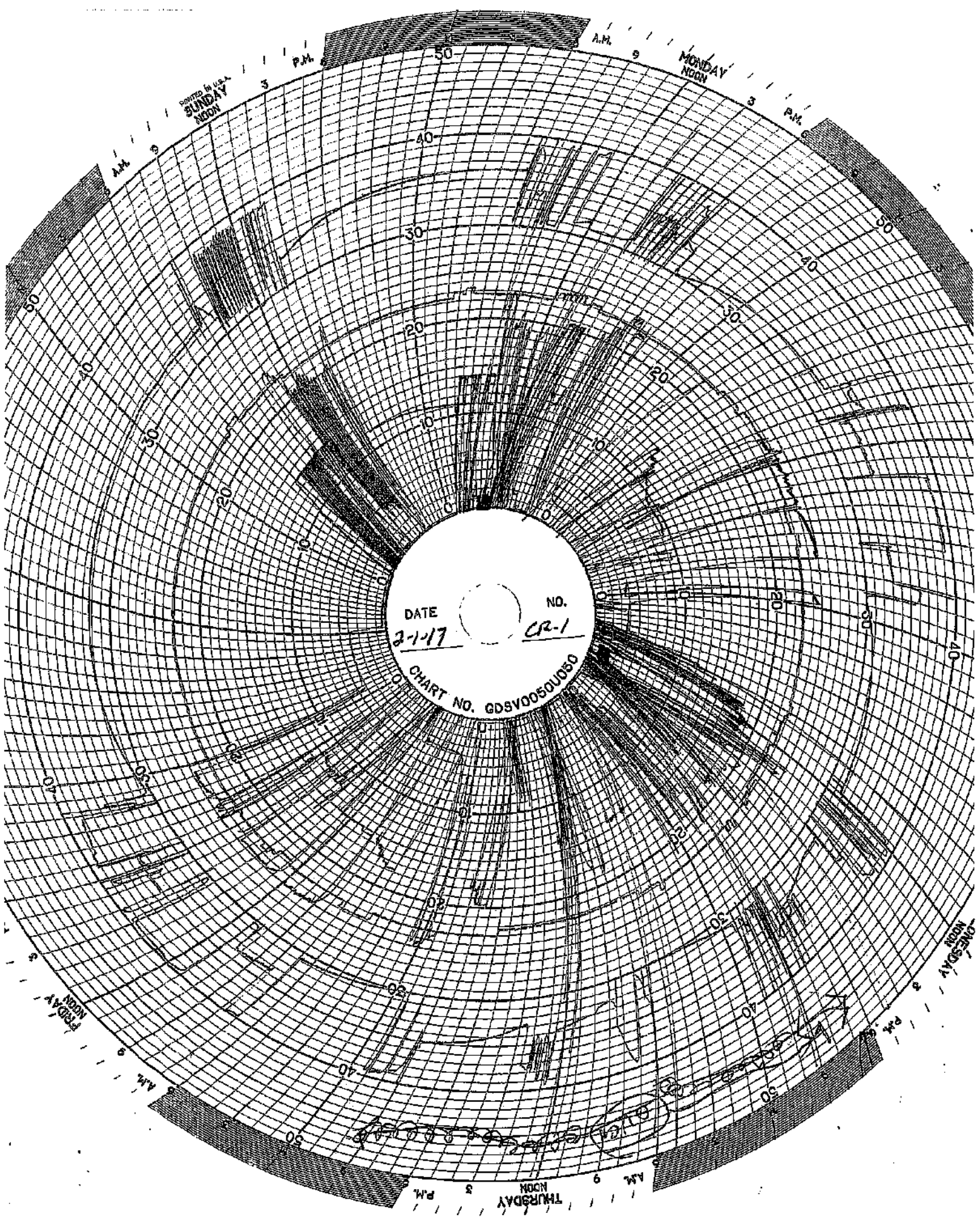
**Red Pen** – Well 1 Monthly Volume (chart value x 30)

Channel #3

**Green Pen** – Well 2 Monthly Volume (chart value x 4)

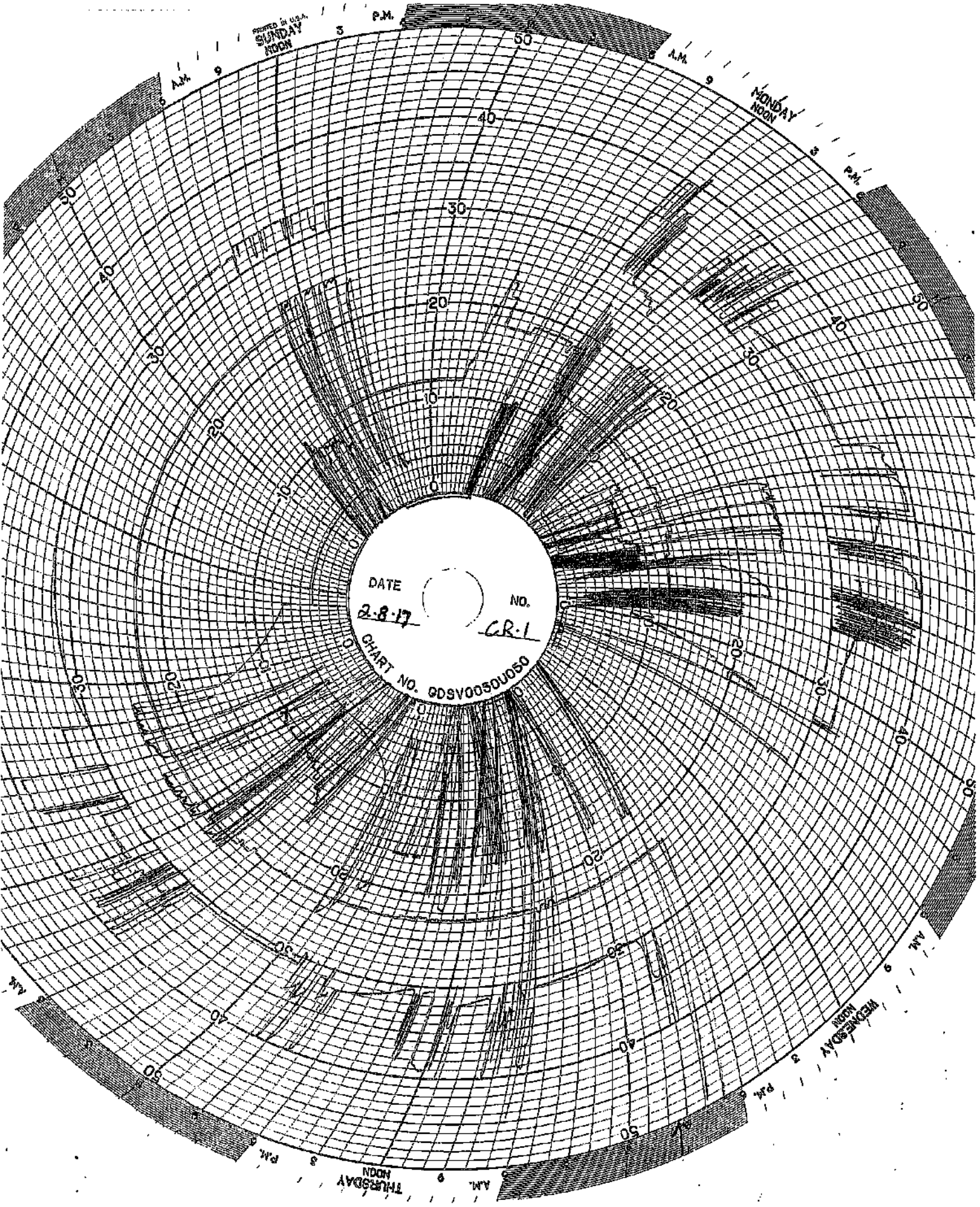
Channel #4

**Black Pen** – Temperature (chart value x 0)



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CHART NO. GDSV00500030





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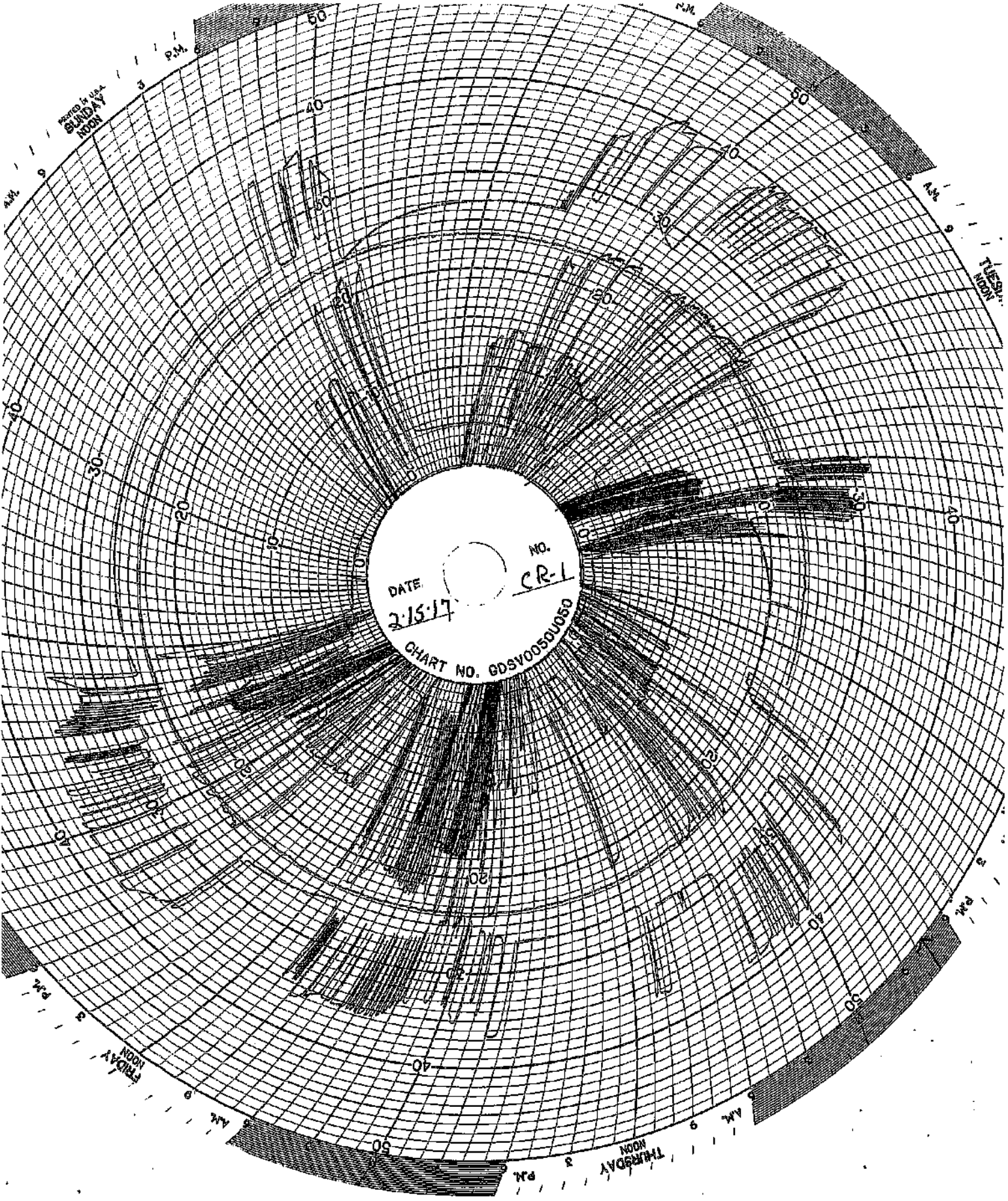
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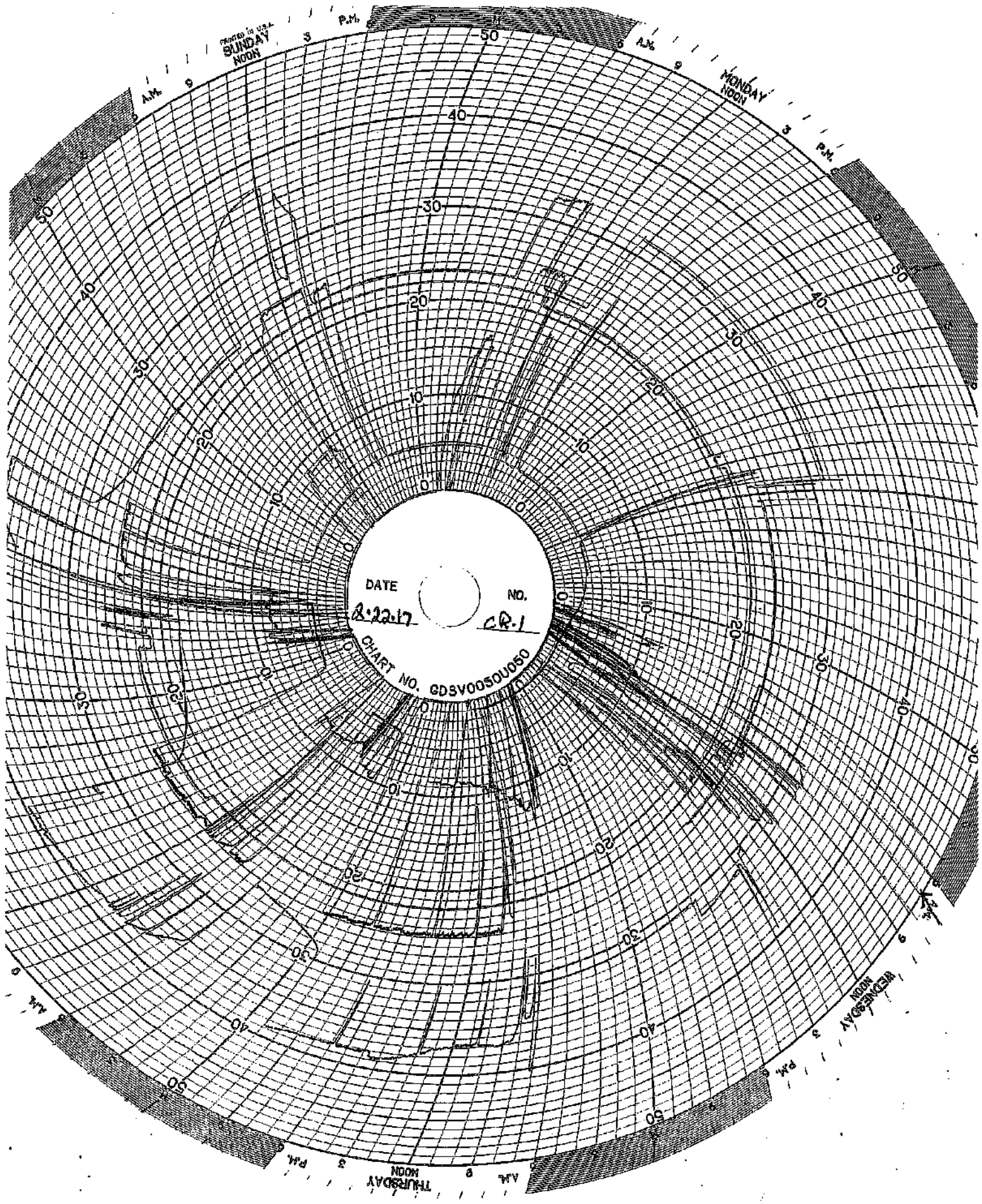
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**WELL 2 DATA**

Well 02 Monthly Data

Date	Min Injection Pressure (PSIG)	Max Injection Pressure (PSIG)	Min Sight Glass Level (in)	Max Sight Glass Level (in)	Min Annulus Pressure (PSIG)	Max Annulus Pressure (PSIG)	Min Injectate pH	Max Injectate pH	Min Flow Rate (GPM)	Max Flow Rate (GPM)	Min Differential Pressure (PSIG)	Max Differential Pressure (PSIG)
1/1/2017	-6.1	-5.5	22.1	22.7	319.7	322.3	1.8	9.5	0.0	0.0	325.3	328.0
1/2/2017	-6.1	-5.4	22.3	22.4	319.3	321.4	1.7	2.6	0.0	0.0	325.2	327.0
1/3/2017	-5.6	-5.2	22.0	22.7	319.5	320.9	0.6	3.1	0.0	0.0	324.9	326.2
1/4/2017	-6.1	-5.4	22.3	22.7	318.2	320.8	1.7	7.9	0.0	0.0	324.0	326.6
1/5/2017	-6.3	-5.9	22.3	22.5	317.9	320.5	1.7	8.4	0.0	0.0	323.9	326.5
1/6/2017	-6.5	-6.0	22.1	22.7	317.4	320.8	7.9	7.9	0.0	0.0	323.6	326.9
1/7/2017	-6.6	-6.2	21.9	22.9	316.5	318.8	3.0	8.6	0.0	0.0	323.0	325.1
1/8/2017	-6.7	-6.2	22.1	22.5	315.6	317.5	7.9	7.9	0.0	0.0	321.9	323.9
1/9/2017	-6.5	-5.8	22.3	22.4	314.9	317.0	7.9	7.9	0.0	0.0	321.0	323.0
1/10/2017	-6.3	94.3	20.9	22.7	308.8	371.5	7.9	7.9	8.1	399.3	267.3	377.2
1/11/2017	-1.2	-0.1	22.2	22.9	314.3	318.1	2.2	7.9	0.0	0.0	315.3	318.6
1/12/2017	-6.1	272.2	22.1	22.8	315.7	449.9	1.1	4.4	0.0	83.2	177.7	327.5
1/13/2017	-0.5	0.4	22.1	22.7	315.2	318.0	0.7	4.5	0.0	148.3	315.4	318.1
1/14/2017	-0.7	0.1	22.1	22.7	315.3	317.6	0.8	3.0	1.1	46.3	315.4	317.8
1/15/2017	-0.8	-0.2	22.3	22.4	314.1	316.1	1.2	7.9	0.0	46.9	314.7	316.8
1/16/2017	-0.8	-0.2	21.9	22.8	313.6	314.8	7.9	7.9	0.0	0.0	314.1	315.5
1/17/2017	-0.5	0.1	22.3	22.6	313.5	317.4	-5.6	17.0	0.0	0.0	313.9	317.5
1/18/2017	-0.6	-0.2	22.1	22.9	314.8	316.9	0.6	8.9	0.0	0.0	315.1	317.3
1/19/2017	-0.7	-0.4	22.0	22.7	314.2	316.7	1.9	8.0	0.0	0.0	314.8	317.3
1/20/2017	-0.7	-0.2	22.1	22.8	314.3	316.7	5.0	19.2	0.0	0.0	314.8	317.0
1/21/2017	-0.5	0.4	22.3	22.8	313.9	315.7	2.2	9.7	0.0	0.0	314.1	316.0
1/22/2017	-0.3	0.2	22.1	22.7	313.2	314.6	2.9	14.2	0.0	0.0	313.2	314.8
1/23/2017	-0.3	0.0	22.4	22.5	313.0	317.0	4.3	10.8	0.0	0.0	313.1	317.2
1/24/2017	-0.5	-0.2	22.4	22.5	314.4	316.5	7.9	8.8	0.0	15.1	314.7	316.9
1/25/2017	-0.5	0.1	22.1	22.8	313.9	316.1	-0.5	19.2	0.0	0.0	314.0	316.2
1/26/2017	-0.6	-0.1	22.1	22.7	313.3	315.8	7.9	8.2	0.0	0.0	313.5	316.3
1/27/2017	-0.8	-0.4	22.1	22.8	311.8	315.0	1.9	15.2	0.0	0.0	312.5	315.5
1/28/2017	-5.8	3.5	22.0	22.9	309.2	317.5	2.1	3.5	2.8	0.0	307.7	322.2
1/29/2017	-5.2	-4.8	22.3	22.3	309.2	310.7	2.4	7.9	0.1	346.8	314.3	315.6
1/30/2017	-5.4	-5.1	21.9	22.8	308.1	311.9	1.9	19.0	3.1	398.3	313.4	317.2
1/31/2017	-5.4	-5.0	22.3	22.5	309.8	311.7	3.0	15.0	0.0	6.6	314.9	317.0

## Circle Chart Index

Environmental Geo-Technologies, 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 x 30)

Channel #2

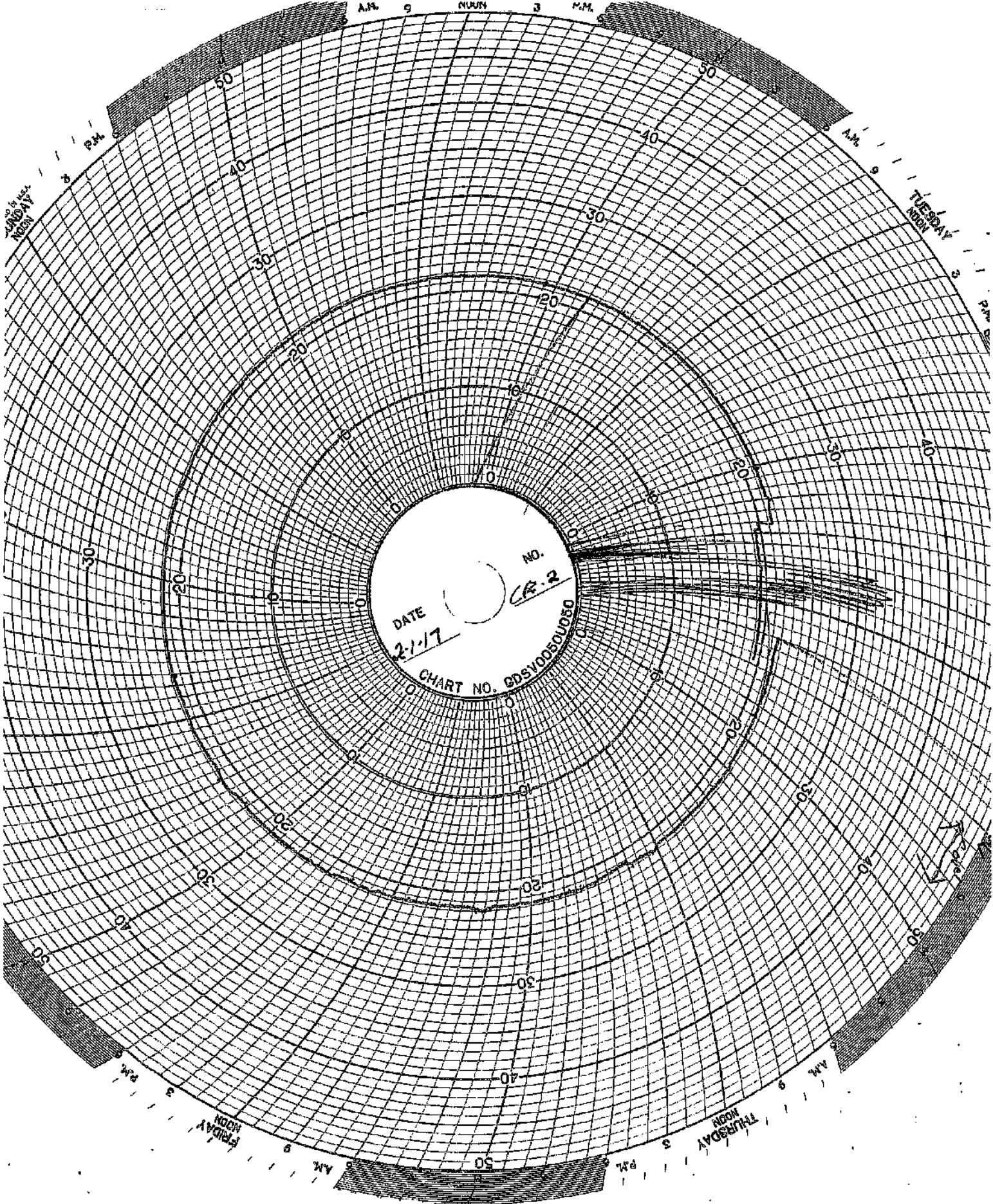
**Red Pen** - Well 1 Monthly Volume (chart value x 30)

Channel #3

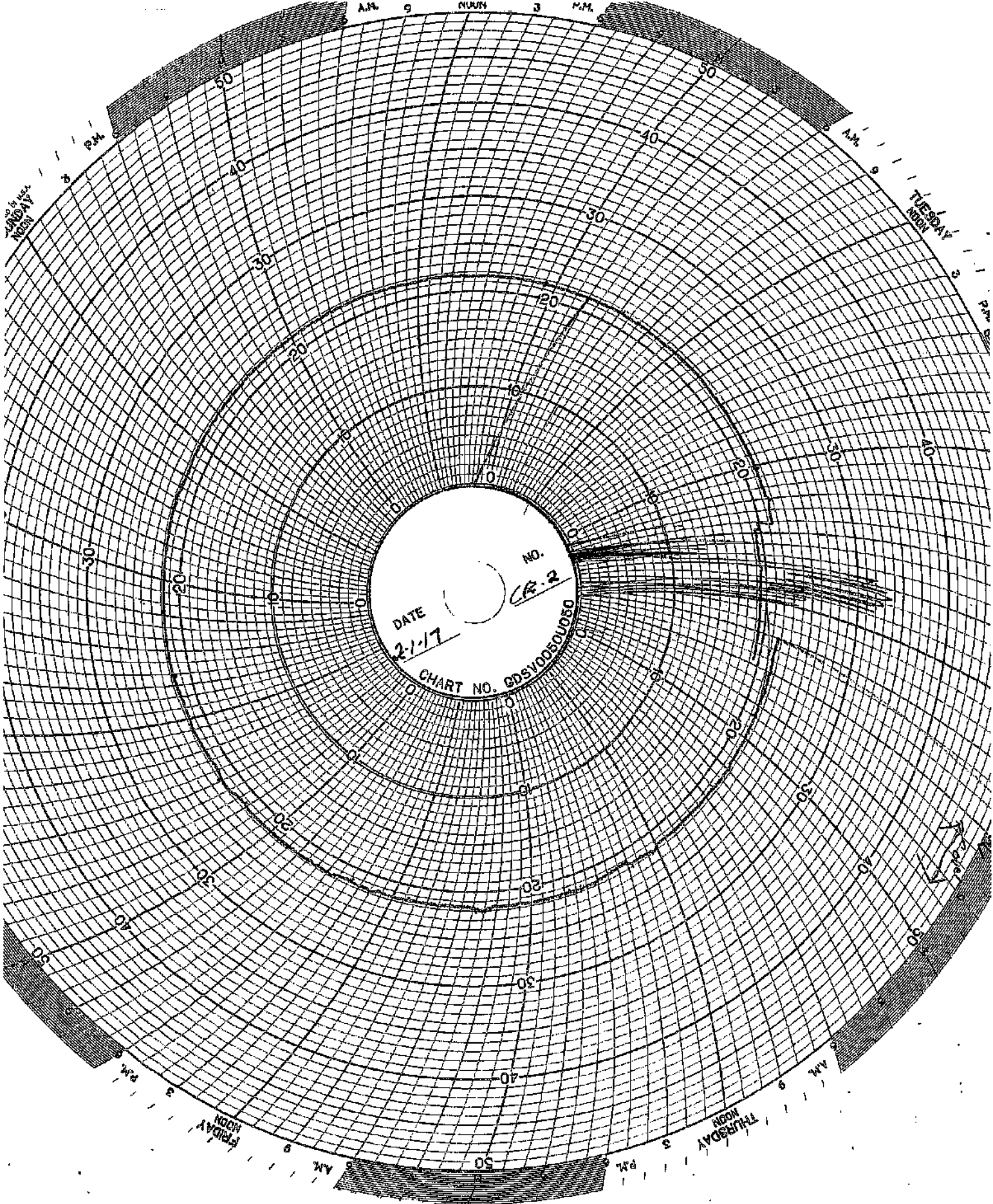
**Green Pen** - Well 2 Monthly Volume (chart value x 4)

Channel #4

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



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NO. CR-2  
CHART NO. GDS100501050



DATE 2-1-17  
NO. CR-2  
CHART NO. GDS100501050

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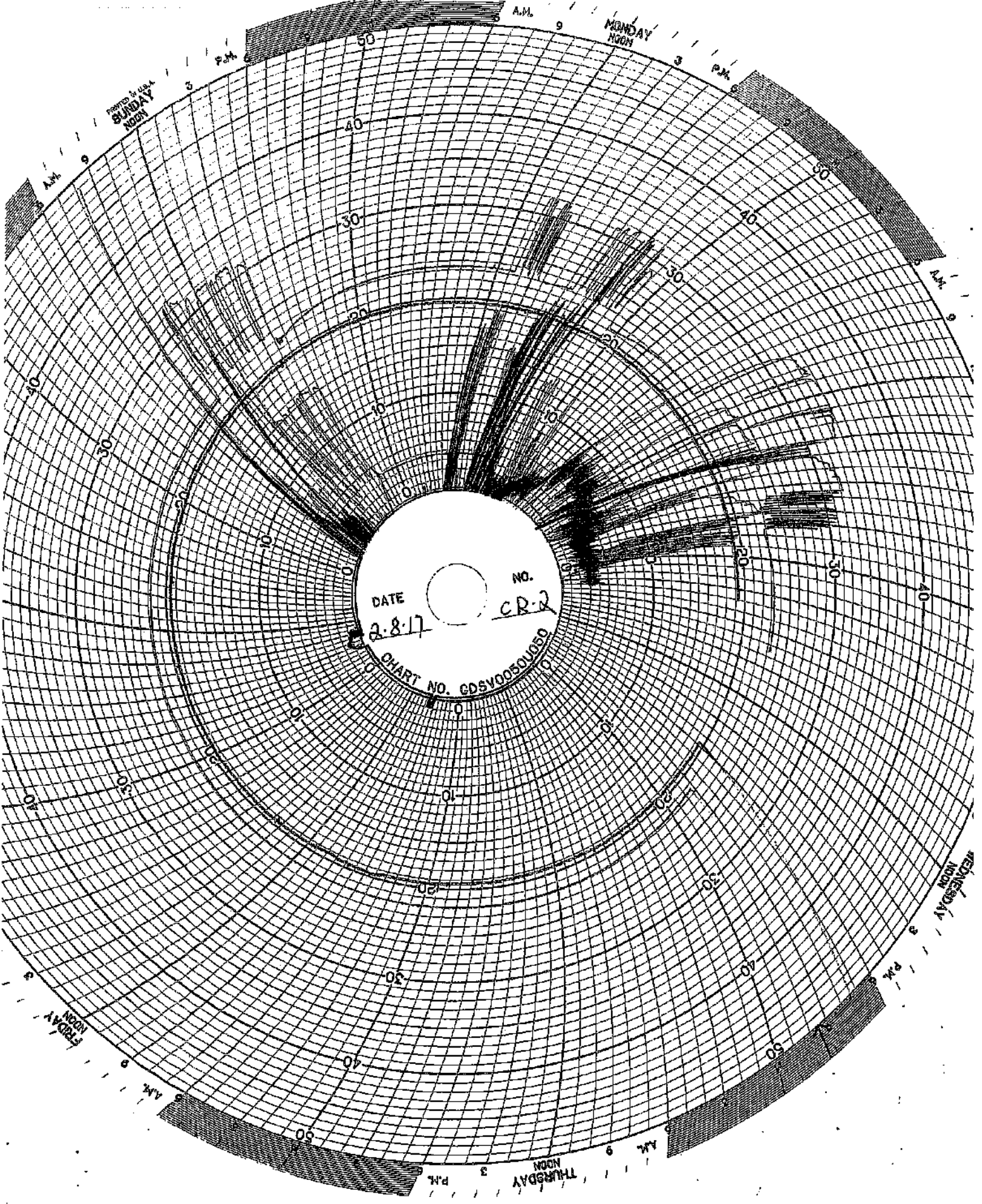
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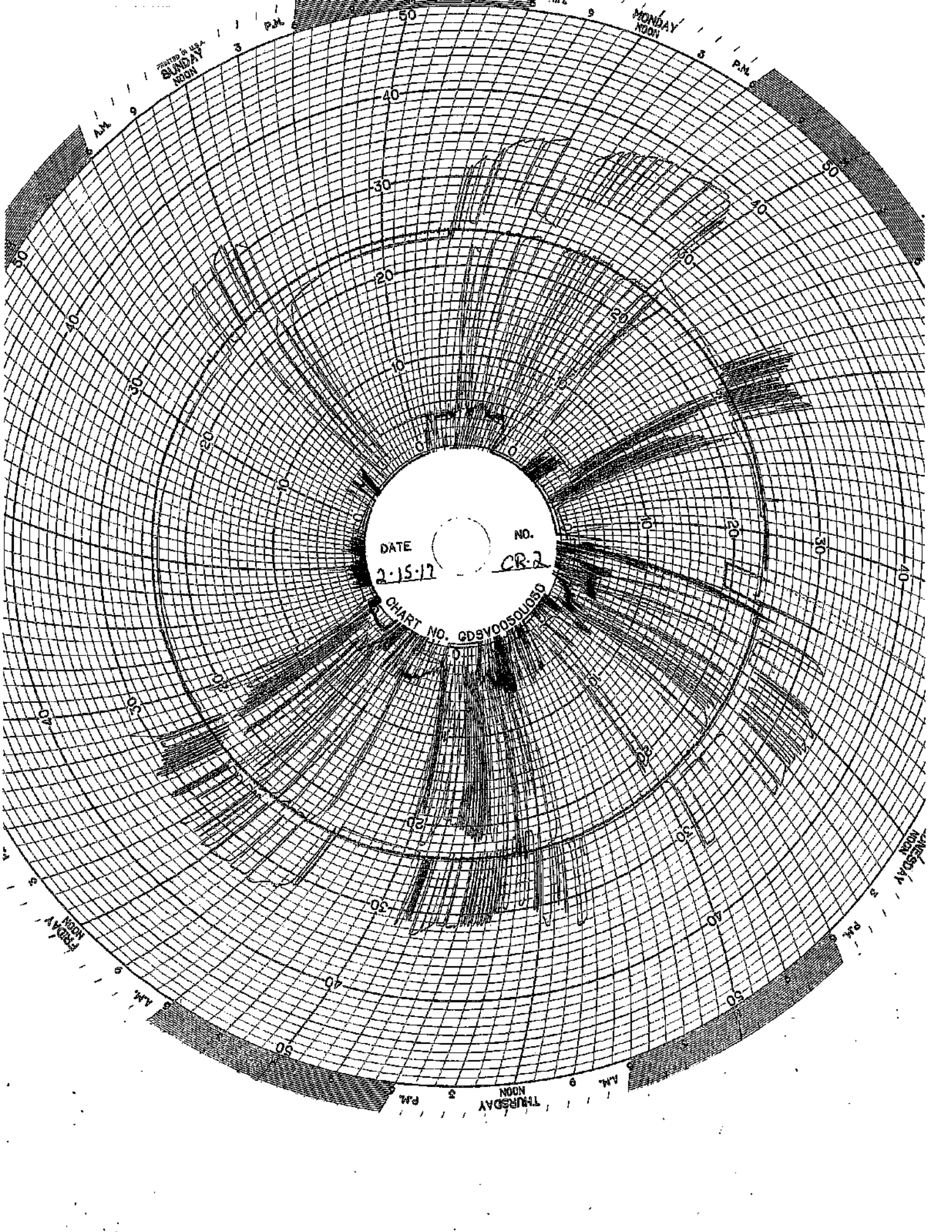
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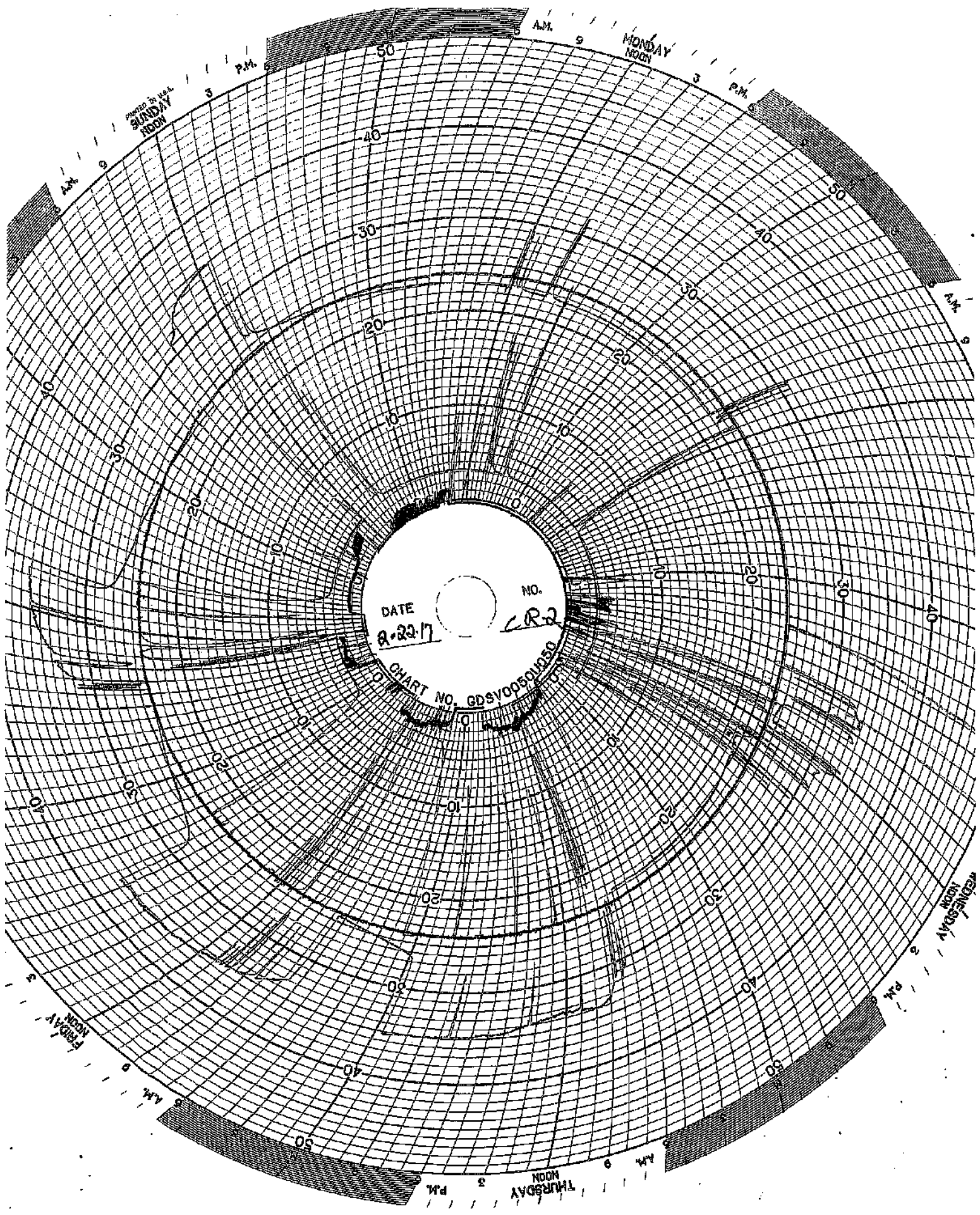
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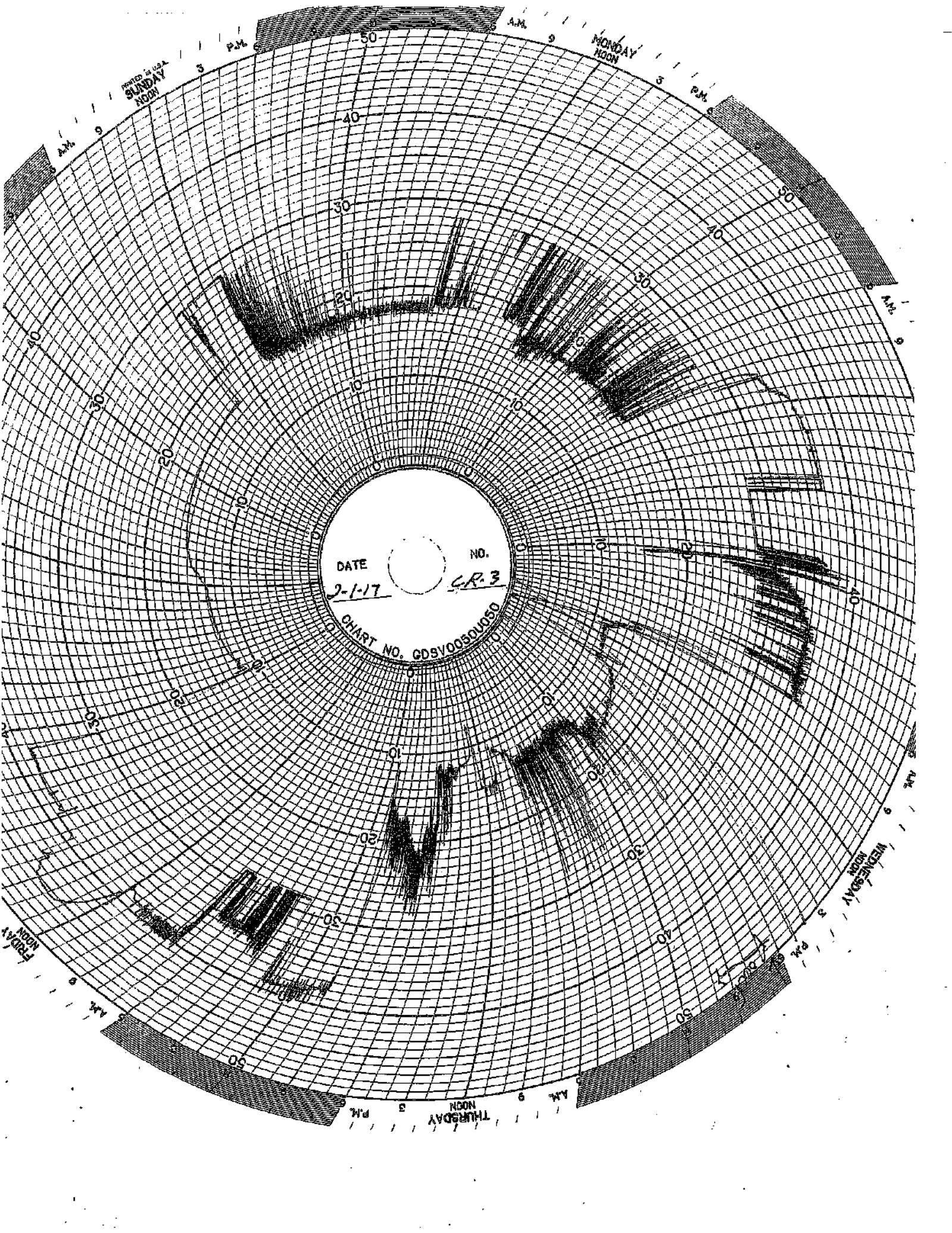
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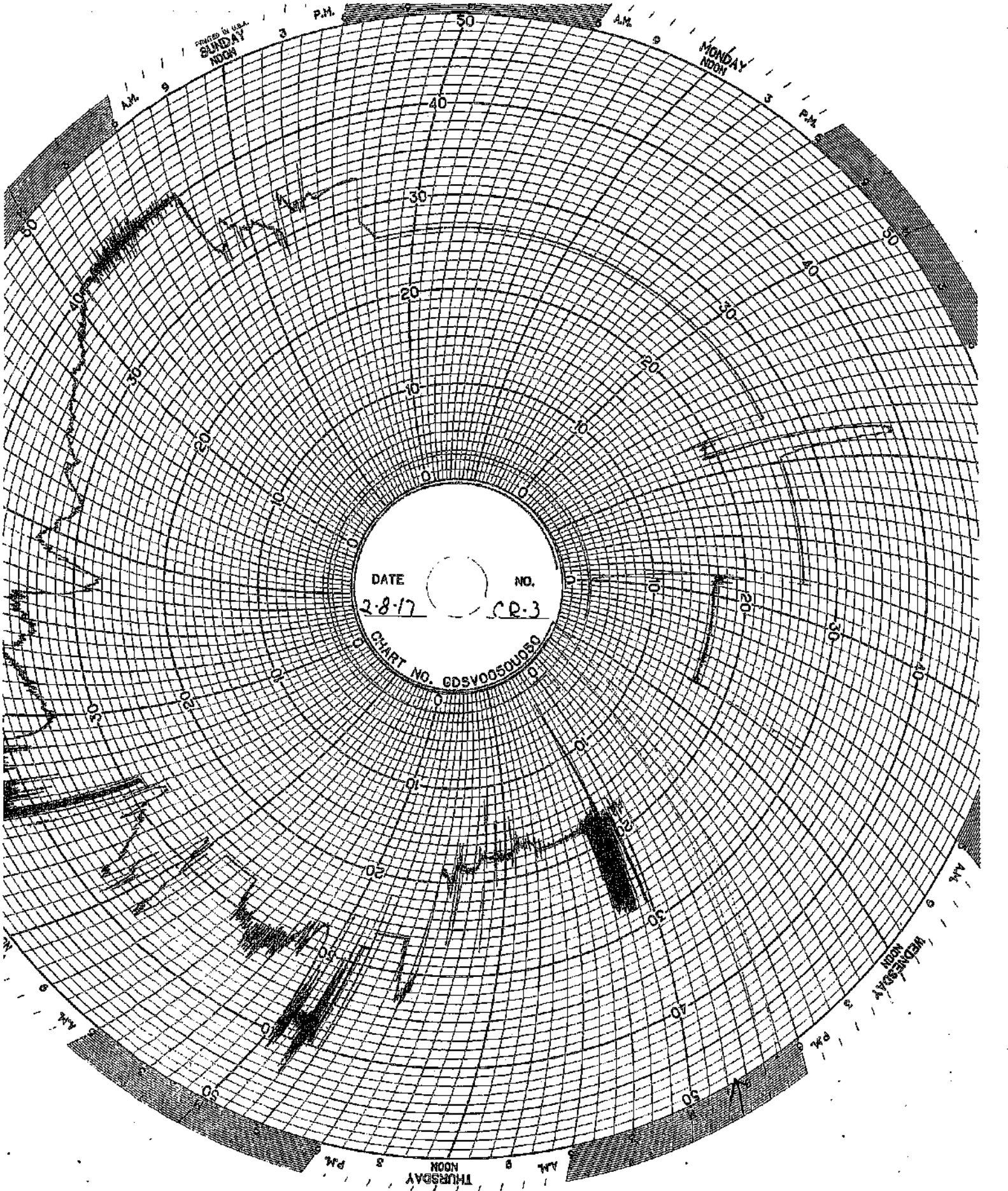
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2-8-17 CR-3

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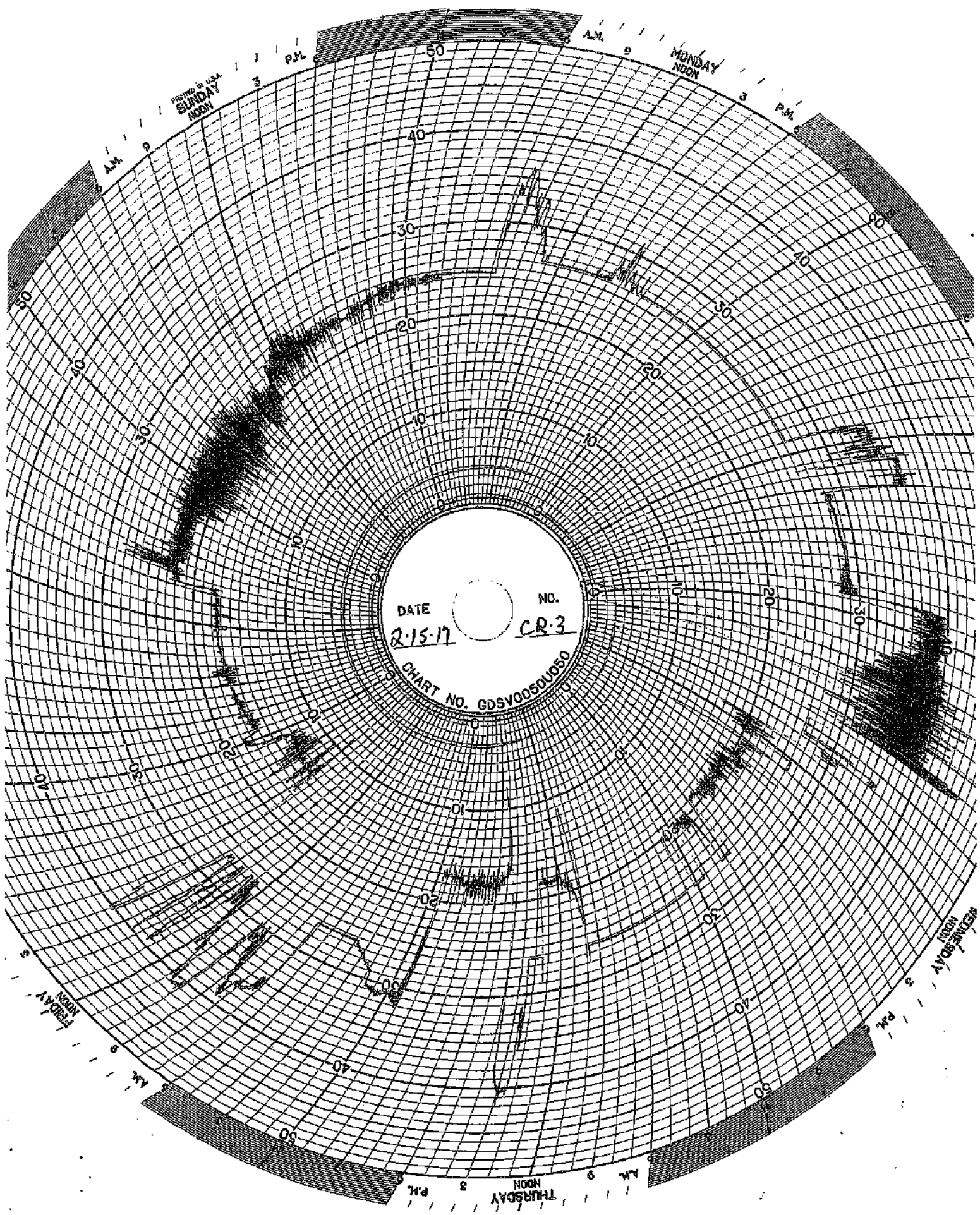
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PRINTED IN U.S.A.  
SUNDAY  
NOON

A.M.

MONDAY  
NOON

P.M.

A.M.

WEDNESDAY  
NOON

THURSDAY  
NOON

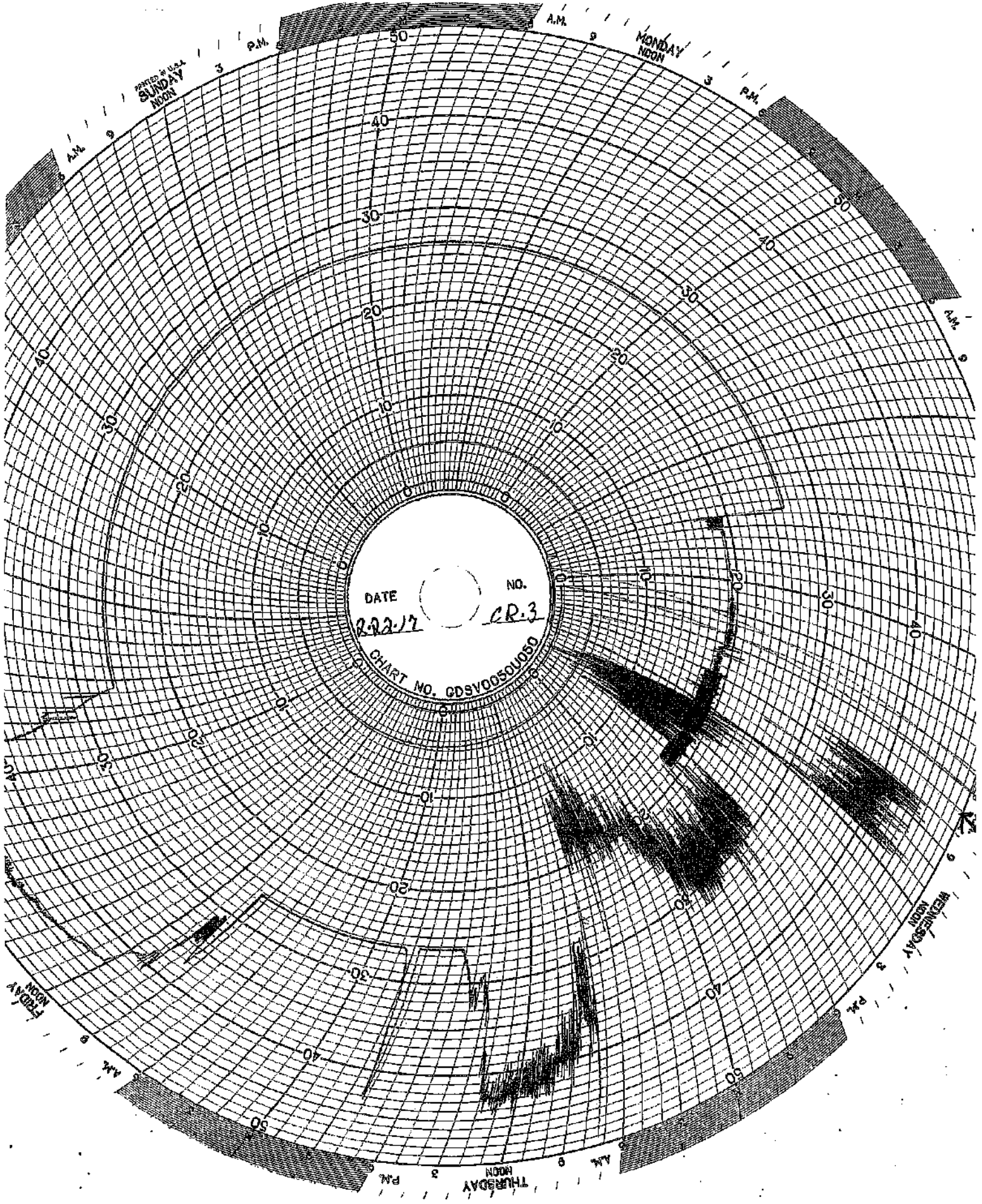
DATE

NO.

2-22-17

CR.3

CHART NO. GDSV0050050



## **MAINTENANCE LOG**

**UIC Monthly Maintenance Log**

2/7/2017	Well 2	Replaced inlet valve on wellhead
2/8/2017	Well 1	Replaced inlet valve on wellhead
2/13/2017	Well 1	Replaced ruptured gasket on annulus pipeline
2/15/2017	Well 1	Repaired the annulus pump seal leak
2/24/2017	Well 1	Welded annulus pipeline to eliminate gasket at flanged location



## **CORROSION MONITORING**

# 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.

## **CORROSION MONITORING COUPONS VISUAL DESCRIPTION**

February 28, 2017

### **Fiberglass Coupon**

The fiberglass coupon is Red Box 200 type with dimensions of 2-1/2 inches long by 1/2 inch wide by 3/16 inches thick. It is dark orange (rust) in color with similar semi-smooth textures on both sides. Its cut edges appear sanded. It weighs 6.727 grams.

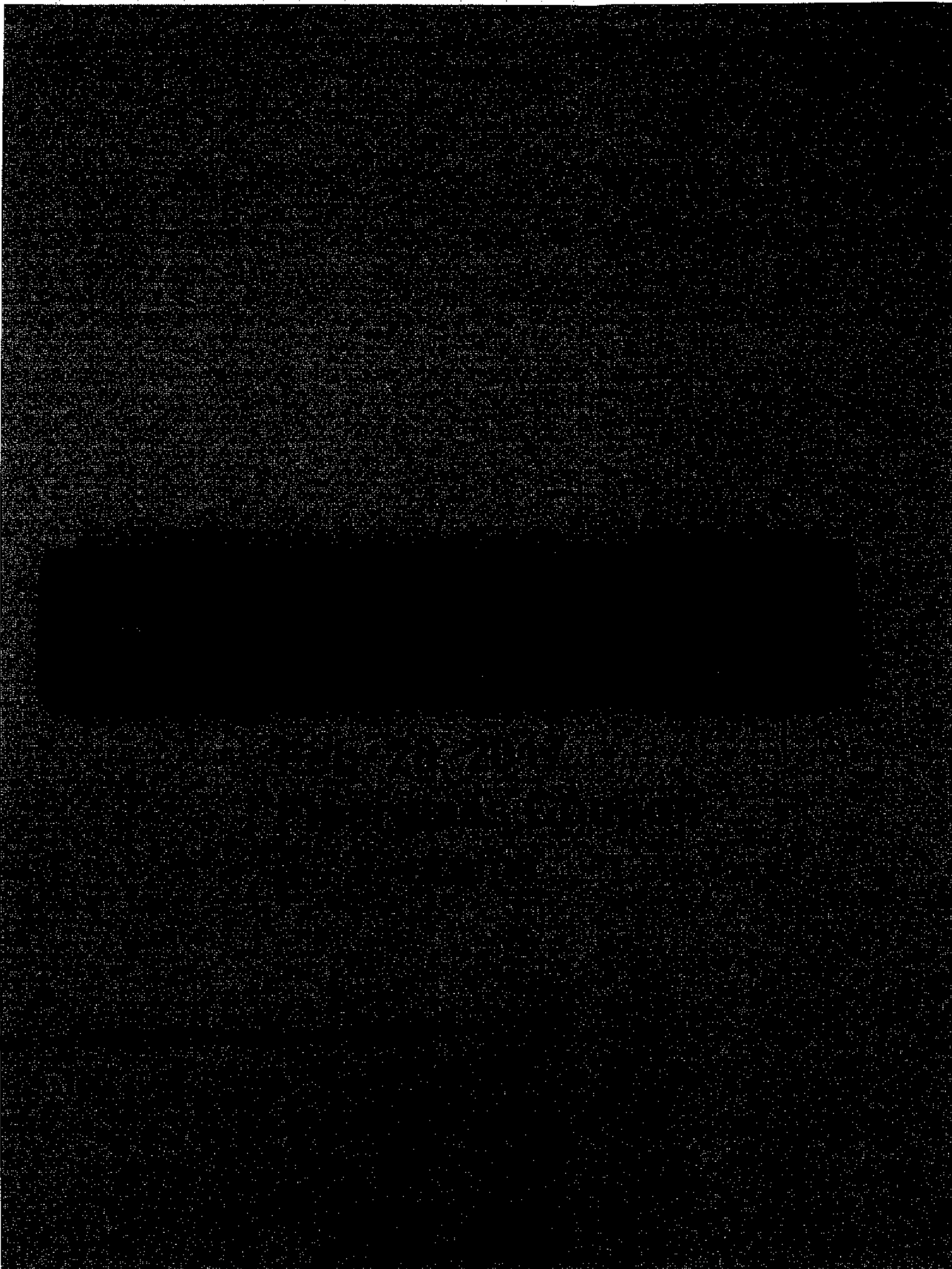
### **Hastelloy Coupon**

The Hastelloy coupon is identified as C276 with Serial Number 5. The dimensions of the coupon are 3 inches long by 1/2 inch wide by 1/16 inches thick. The coupon is silver in color with a lightly sandblasted texture. It weighs 13.324 grams.

### **Stainless Steel Coupon**

The Stainless Steel coupon is identified as 316 L with serial number C1564. The dimensions of the coupon are 3 inches long by 1/2 inch wide by 1/16 inches thick. The coupon is silver in color with a pock-marked texture. It weighs 7.634 grams.

Feb 21 2017  
HS Albert Gumpert/C2/C-5  
13.62 grams



Jan 28, 2017  
Shanass Steadman/End @ 10:54  
704-454-1111

**CORROSION MONITORING PLAN  
COUPON SUMMARY**

Date	Hastelloy (C267)	Stainless Steel (316L)	Fiberglass (Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 g	7.196 g	
7/11/2014	13.323 g	10.304 g	7.196 g	
8/12/2014	13.328 g	10.045 g	7.182 g	
9/17/2014	13.321 g	9.997 g	7.090 g	
10/30/2014	13.321 g	9.387 g	7.075 g	
11/21/2014	13.320 g	9.386 g	7.069 g	
12/19/2014	13.321 g	9.315 g	7.084 g	
1/12/2015	13.321 g	9.289 g	7.063 g	
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	New stainless steel coupon
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	

# GHSQUIERE PLASTIC TESTING, INC.

20460 HARPER AVENUE  
HARPER WOODS, MI 48226  
PHONE (313) 885-8585  
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 Citrix Drive  
Romulus, MI 48174

Attention: Mr. Don Anderson

## WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

## DESCRIPTION OF SAMPLE:

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

## WORK PERFORMED:

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

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

## RESULTS:

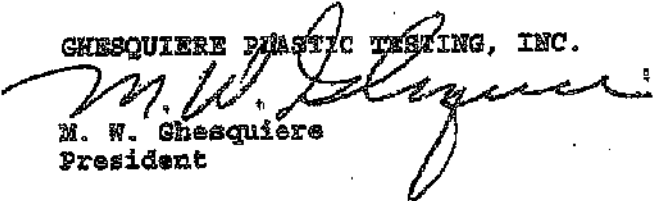
The following determination was made based upon the above test:

### BARCOL HARDNESS

	<u>Hardness</u>
Specimen 1	90

Specimen is being returned with this report for further evaluation.

GHSQUIERE PLASTIC TESTING, INC.

  
M. W. Ghesquiere  
President

MWG/kni

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TOTAL 1 PAGES



# GHESEQUIERE PLASTIC TESTING, INC.

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

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

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

Attention: Mr. Don Anderson

## WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

## DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

## WORK PERFORMED:

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

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

## RESULTS:

The following determination was made based upon the above test:

### BARCOL HARDNESS

Hardness

Specimen 1: 90

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

DATE OF TESTING:

GHESEQUIERE PLASTIC TESTING, INC.

M. W. Ghesquiere  
President

MWG/dm

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TOTAL 1 PAGES

# Ghesquiere Plastic Testing, Inc.

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

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

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

Attention: Mr. Don Anderson

## WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

## DESCRIPTION OF SAMPLE:

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

## WORK PERFORMED:

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

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

## RESULTS:

The following determination was made based upon the above test:

### BARCOL HARDNESS

### Hardness

Specimen 1

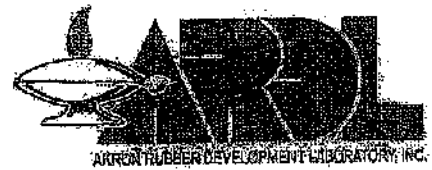
85

Specimen was returned to the client June 16, 2014.

Ghesquiere Plastic Testing, Inc.

  
M. W. Ghesquiere  
President

MWG/dm



October 2, 2014

**- TEST REPORT -**

**PN 118325**

*PO Attn: John Frost*

**PLASTICS TESTING DEPARTMENT**

Prepared For:

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

Prepared By:

*[Signature]*  
Melissa Martin  
Sr. Project Technician

Approved By:

*[Signature]*  
Jim Drummond  
Physical & Plastics Testing, Manager



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



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[www.ardl.com](http://www.ardl.com)

2887 Glitchist Rd. | Akron, Ohio 44305 | [answers@ardl.com](mailto:answers@ardl.com)  
Toll Free (800) 830-ARDL | Worldwide (330) 794-6600 | Fax (330) 794-6610



October 2, 2014

John Frost  
Environmental Geo-Technologies, LLC

Page 2 of 2  
PN118926

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

**RECEIVED:** One small section identified as: Fiberglass Coupon.


**BARCOL HARDNESS ASTM D 2583-13a**

**Results**

Barcol Hardness, Instant

97

Prepared By:

  
Melissa Martin  
Sr. Project Technician

Approved By:

  
Scott W. Yates  
Plastics Testing Assistant Manager

www.ardl.com

2667-Gilchrist Rd. | Akron, Ohio 44305 | answers@ardl.com  
Toll Free (800) 830-ARDL | Worldwide (330) 794-6600 | Fax (330) 794-6610



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



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

**ISO 9001:2008**  
Registered

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



October 22, 2015

John Frost  
Environmental Geo-Technologies, LLC

Page 2 of 2  
PN 125322

**SUBJECT:** Barcol Hardness on one material.

**RECEIVED:** One small section identified as; Fiberglass Coupon.

**BARCOL HARDNESS ASTM D 2583-13a**  
Instant Reading

**Results**

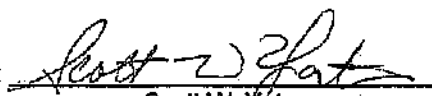
Barcol Hardness, Instant

96

Prepared By:

  
Melissa Martin  
Sr. Project Technician

Approved By:

  
Scott W. Yates  
Plastics Testing Assistant Manager

tc



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



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

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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

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



**INJECTION  
FINGERPRINTS**


FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	2/1/17	
Receiving ID#	I08011702	
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H	
Sampled by	ET	

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.21	TDS	9.27
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	60°F		
Conductivity	183.2 mS		
% Solids	10.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	1.3		
Radiation Screen (as needed)			
Lab Signature			

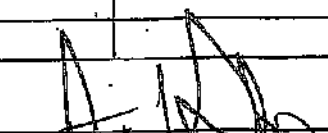
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	02-01-17
Receiving ID#	602011701
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	T.B.

**COPY**

Compatible? (RT# )	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	7.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.8%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	63°F		
Conductivity	36.3 mS		
% Solids	1.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	50.1		
Radiation Screen (as needed)			
Lab Signature			

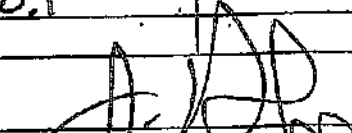
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	02-02-17
Receiving ID#	L02021701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H
Sampled by	T.E

COBY

Compatible? (RT# )	Yes No	Barium	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	36.5%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	59°F		
Conductivity	> 400.0-5		
% Solids	36.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			


FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	2/2/17
Receiving ID#	102021702
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	JH

**COPY**

Compatible? (RT# )	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	6.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.7%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	58°F		
Conductivity	34.1 mS		
% Solids	1.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

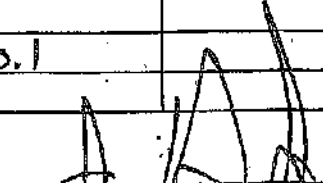
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	02-03-17
Receiving ID#	102031701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	TE

**COPY**

Compatible? (RT# )	Yes No	Barium	
PCBs, (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	7.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	1.8%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	62°F		
Conductivity	36.1 mS		
% Solids	1.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

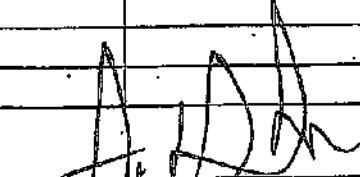
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	2-3-17
Receiving ID#	102031702
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	DA

**COPY**

Compatible? (RT# )	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	8.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	61°F		
Conductivity	35.6 mS		
% Solids	1.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	010317
Receiving ID#	I02031703
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	D. H.
Sampled by	a.g.

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>146°F	Magnesium	
pH (S.U.)	7.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	1.9%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	59°F		
Conductivity	35.3 mS		
% Solids	1.9%		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1%		
Radiation Screen (as needed)			
Lab Signature	Dan Holden		



FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	2-5-14
Receiving ID#	208051201
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	DH
Sampled by	MT

COPY

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	7140 ° F	Magnesium	
pH (S.U.)	1.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	5.0%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	50.7 ° F		
Conductivity	104.8 mS		
% Solids	5.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1%		
Radiation Screen (as needed)			
Lab Signature	Dan Baker		

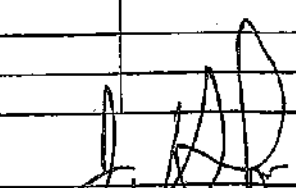
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1530	02/06/17
Receiving ID#	102061702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	A.A.	

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	2.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.17	TDS	7.8
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	68°F		
Conductivity	155.5ms		
% Solids	7.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

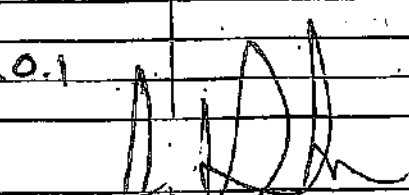
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	0700	02/06/17
Receiving ID#	L0206/701	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	TE	

**COPY**

Compatible? (RT# )	Yes	No	Barium	
PCBs (ppm) (Oily Waste Only)?			Calcium	
TOC (ppm) (CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	2.0		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.11		TDS	6.02
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	62°F			
Conductivity	119.9ms			
% Solids	6.0			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	20.1			
Radiation Screen (as needed)				
Lab Signature				

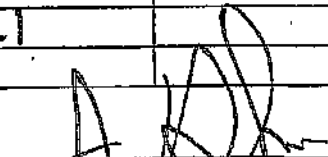
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	8:15	2-7-17
Receiving ID#	102071701	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	G.A.	

**COPY**

Compatible? (RT# )	Yes	No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	5.3		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.87
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	63°F			
Conductivity	36.1 mS			
% Solids	1.8			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

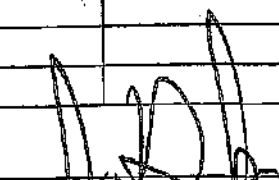
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1507	02-07-17
Receiving ID#	1762071702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	JH	

**COPY**

		Yes	No	Other
Compatible? (RT# )		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Barium
PCBs (ppm)(Oily Waste Only)?				Calcium
TOC (ppm)(CC Waste Only)?				Total Iron
Flash Point (°F)	17/40			Magnesium
pH (S.U.)	6.1			Sodium Chloride
Cyanides? (mg/L)				Bicarbonate
Sulfides? (ppm)				Carbonate
Specific Gravity	1.04			TDS
Physical Description				Resistivity
Stream Consistency		<input type="checkbox"/>	<input type="checkbox"/>	Sulfate
Oil In Sample		<input type="checkbox"/>	<input type="checkbox"/>	
Temperature	61°F			
Conductivity	35.005			
% Solids	1.8			
Turbidity		<input type="checkbox"/>	<input type="checkbox"/>	
Color (visual)				
TSS (%)	<0.1			
Radiation Screen (as needed)				
Lab Signature				

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11208	02-08-17
Receiving ID#		102081701
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by		DAK
Sampled by		TE

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	12140°F	Magnesium	
pH (S.U.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity:	1.14	TDS	18.0%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	87°F		
Conductivity	385.0 mS		
% Solids	18.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	30.1		
Radiation Screen (as needed)			
Lab Signature	Don Baker		


FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1944	2/8/17
Receiving ID#	102081702	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	Joff	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	< 0.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity?	1.20		TDS	11.6%
Physical Description			Resistivity	
Stream Consistency	<input type="radio"/> Yes	<input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes	<input type="radio"/> No		
Temperature	61°F			
Conductivity	230.8 mS			
% Solids	11.6			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				


FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1 12:30P	02-09-17
Receiving ID#	1021091701	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.D.	
Sampled by	T E	

**COPY**

Compatible? (RT# )	Yes	No	Barium	
PCBs (ppm) (Oily Waste Only)?			Calcium	
TOC (ppm) (CC Waste Only)?			Total Iron	
Flash Point (°F)	>140		Magnesium	
pH (S.U.)	1.4		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.03		TDS	2.37
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	56°F			
Conductivity	45.3 μS			
% Solids	2.3			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	<0.1			
Radiation Screen (as needed)				
Lab Signature				



FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	22:00	020917
Receiving ID#	102091702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT-Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	[Signature]	

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	6.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	1.6%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	62°F		
Conductivity	30.9 mS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

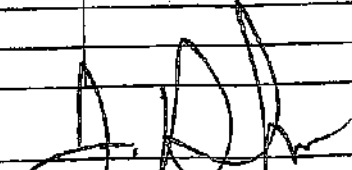
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	0955	2/10/17
Receiving ID#	I02101701	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	S.H	
Sampled by	JKF	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	6.6		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.03		TDS	1.1%
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	58°F			
Conductivity	20.7ms			
% Solids	1.1			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	17:00	2-10-17
Receiving ID#	102101702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	<i>JH</i> S.H.	
Sampled by		

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CG Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	6.8		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.03		TDS	129
Physical Description			Resistivity	
Stream Consistency	<input type="radio"/> Yes	<input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes	<input type="radio"/> No		
Temperature	67°F			
Conductivity	24.6 mS			
% Solids	1.2			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature	<i>[Signature]</i>			

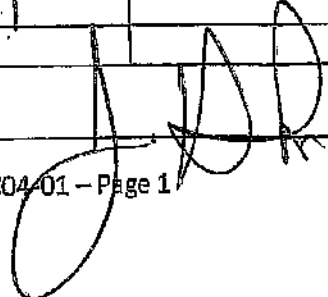
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	9:38	2:12:17
Receiving ID#	102121701	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	JKF	

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	15140	Magnesium	
pH (S.U.)	6.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity?	1.03	TDS	15%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	63°F		
Conductivity	3012 mS		
% Solids	1.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

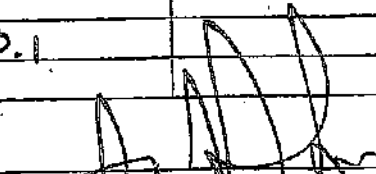
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1:08 pm	02-13-17
Receiving ID#	102191702	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	JH	
Sampled by	R.A.	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.8	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity?	1.1	TDS	7.4%
Physical Description		Resistivity	
Stream Consistency	Yes <input type="radio"/> No <input type="radio"/>	Sulfate	
Oil In Sample	Yes <input type="radio"/> No <input type="radio"/>		
Temperature	64°F		
Conductivity	147.4 nS		
% Solids	7.4		
Turbidity	Yes <input type="radio"/> No <input type="radio"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

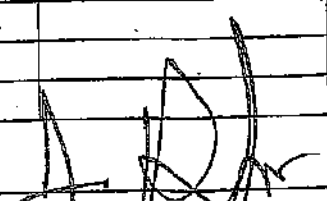
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	9112	2.14.17
Receiving ID#	102141701	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	JKE	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	17140		Magnesium	
pH (S.U.)	6.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	2.0 ?
Physical Description			Resistivity	
Stream Consistency	<input type="radio"/> Yes	<input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes	<input type="radio"/> No		
Temperature	65°F			
Conductivity	39.5 us			
% Solids	2.0			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	40.1			
Radiation Screen (as needed)				
Lab Signature				

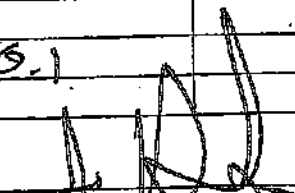
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	3:20 p	2-14-17
Receiving ID#	102141702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	JRF	


**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	0.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	15.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	59°F		
Conductivity	325.0ms		
% Solids	15.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

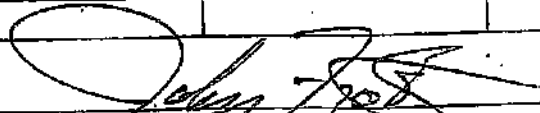
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	S:10P	5-14-17
Receiving ID#	102141703	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by		
Sampled by		

**COPY**

Compatible? (RT# )	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	>140		Magnesium	
pH (S.U.)	0.6		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity?	1.08		TDS	11%
Physical Description			Resistivity	
Stream Consistency	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Sulfate	
Oil in Sample	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Temperature	67			
Conductivity	376 mS			
% Solids	11%			
Turbidity	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Color (visual)				
TSS (%)	8.5%			
Radiation Screen (as needed)				
Lab Signature				



FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	731A	02-15-17
Receiving ID#	202151701	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	JKF	
Sampled by	TE	

**COPY**

Compatible? (RT# )	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Barium	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	5.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	11%
Physical Description		Resistivity	
Stream Consistency	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sulfate	
Oil in Sample	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Temperature	77		
Conductivity	19.5 mS		
% Solids	11%		
Turbidity	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	4:45P	2-15-17
Receiving ID#	102151702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	JRF	
Sampled by	JP	

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	1.58	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	8.3%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	68		
Conductivity	82.6 uS		
% Solids	8.3%		
Turbidity	Yes No		
Color (visual)			
TSS (%)	20.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	8:48 am 2-16-17
Receiving ID#	102161701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	17140	Magnesium	
pH (S.U.)	1.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	5.3%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	68		
Conductivity	93.2 uS		
% Solids	5.3%		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature	<i>[Signature]</i>		

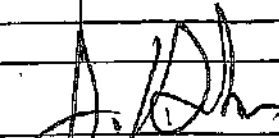
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	2/16/17
Receiving ID#	I 02161702
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	TE

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	0.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	10.42
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	200.5 mS		
% Solids	18.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	8.5		
Radiation Screen (as needed)			
Lab Signature			

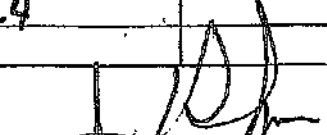
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	@ 21:00	021617
Receiving ID#	I 02161703	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J. H.	
Sampled by	J. H.	

COPY

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	0.8		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.09		TDS	9.77
Physical Description			Resistivity	
Stream Consistency	<input type="radio"/> Yes	<input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes	<input type="radio"/> No		
Temperature	65°F			
Conductivity	193.1 mS			
% Solids	10.1			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	0.4			
Radiation Screen (as needed)				
Lab Signature				

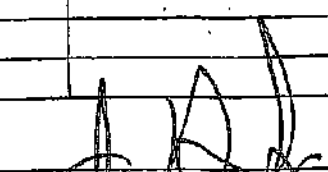
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	02/16/17
Receiving ID#	102161704
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	T.E.

COPY

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	39.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	> 400.0ms		
% Solids	39.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

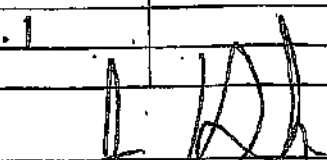
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	6:20a	02-17-17
Receiving ID#	I02171701	
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	JH	
Sampled by	Dh	

**COPY**

Compatible? (RT# )	<u>Yes</u>	No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	5.4		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.92
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	65°F			
Conductivity	38.6 μS			
% Solids	1.9			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

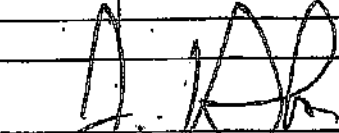
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

**COPY**

Date	2.17.17	
Receiving ID#	11140A	10217170Z
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by		
Sampled by	JKF	

Compatible? (RT# )	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	6.4		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.82
Physical Description			Resistivity	
Stream Consistency	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Sulfate	
Oil In Sample	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Temperature	65°F			
Conductivity	35.0 mS			
% Solids	1.8			
Turbidity	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Color (visual)				
TSS (%)	0.1			
Radiation Screen (as needed)				
Lab Signature				



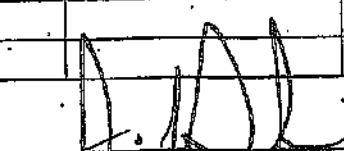
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	2/12/17
Receiving ID#	10271703
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	R

COPY

Compatible? (RT# )	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	0.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.20	TDS	32.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	328.4 mS		
% Solids	32.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

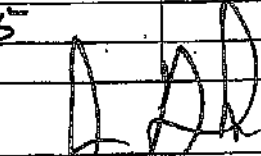
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	8:00 am	D 2-19-17
Receiving ID#	T02191101	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	JH	
Sampled by	DN	

**COPY**

Compatible? (RT# )	<u>Yes</u>	No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	>140		Magnesium	
pH (S.U.)	2.0		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.07		TDS	3.77
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	65°F			
Conductivity	73.5ms			
% Solids	3.7			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	0.5			
Radiation Screen (as needed)				
Lab Signature				

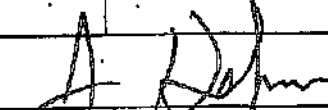
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	G:30A 02-20-17
Receiving ID#	E02201701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	TE

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	6.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.99
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	65°F		
Conductivity	37.8ms		
% Solids	1.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

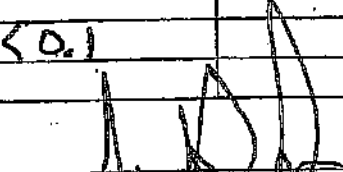
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	@ 15:30	022917
Receiving ID#	102201702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	J.H.	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes	No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	6.9		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.92
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	80°F			
Conductivity	37.4 mS			
% Solids	1.9			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	@ 18:45	022017
Receiving ID#	T02201703	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	JH.	
Sampled by	[Signature]	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	6.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.97
Physical Description		Resistivity	
Stream Consistency	<input type="radio"/> Yes <input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes <input type="radio"/> No		
Temperature	65°F		
Conductivity	360µS		
% Solids	1.9		
Turbidity	<input type="radio"/> Yes <input type="radio"/> No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

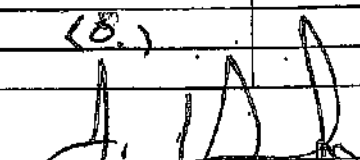
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11:33 AM	02-21-17
Receiving ID#	F02211701	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	T.R.	

**COPY**

Compatible? (RT# )	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	5.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.21	TDS	7.42
Physical Description		Resistivity	
Stream Consistency	Yes <input type="checkbox"/> No <input type="checkbox"/>	Sulfate	
Oil in Sample	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Temperature	67.05		
Conductivity	147.0 us		
% Solids	7.4		
Turbidity	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Color (visual)			
TSS (%)	(0.1)		
Radiation Screen (as needed)			
Lab Signature			

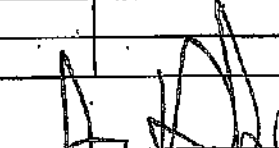
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	630A	02-22-17
Receiving ID#	E02221701	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	T E	

**COPY**

Compatible? (RT# )	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	2140		Magnesium	
pH (S.U.)	6.9		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.92
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	68°F			
Conductivity	37.4 mS			
% Solids	1.9			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	0.1			
Radiation Screen (as needed)				
Lab Signature				

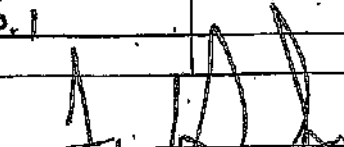
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	6130A	02-23-17
Receiving ID#	E02-231701	
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	T.E.	

**COPY**

Compatible? (RT# )	Yes	No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	6.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.03		TDS	189
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	72° F			
Conductivity	36.1 mS			
% Solids	1.8			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				



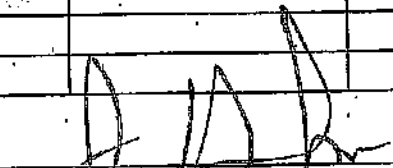
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	3:00P	02-23-17
Receiving ID#	E02231702	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	T E	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	2140		Magnesium	
pH (S.U.)	6.9		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.67
Physical Description			Resistivity	
Stream Consistency	<input type="radio"/> Yes	<input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes	<input type="radio"/> No		
Temperature	65°F			
Conductivity	32.9 mS			
% Solids	1.6			
Turbidity	<input checked="" type="radio"/> Yes	<input type="radio"/> No		
Color (visual)	20.1			
TSS (%)	20.1			
Radiation Screen (as needed)				
Lab Signature				

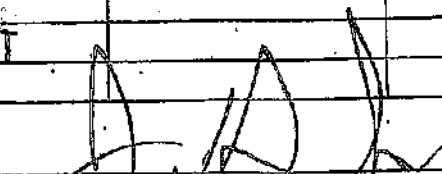
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11:00 P.	02-23-17
Receiving ID#	E02231703	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	TE	

**COPY**

Compatible? (RT# )	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	6.9		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.5?
Physical Description			Resistivity	
Stream Consistency	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Sulfate	
Oil In Sample	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Temperature	69°F			
Conductivity	34.7 mS			
% Solids	1.5			
Turbidity	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Color (visual)				
TSS (%)	20.1			
Radiation Screen (as needed)				
Lab Signature				

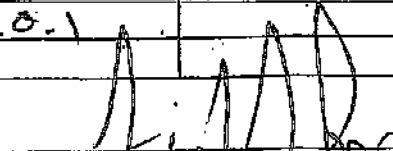
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	6130	02-24-17
Receiving ID#	E02241701	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H	
Sampled by	T.E	

**COPY**

Compatible? (RT# )	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	6.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.7%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	70°F		
Conductivity	34.2 uS		
% Solids	1.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	20.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	@ 08:45	02-25-17
Receiving ID#	I02251704	
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	<i>J.H.</i>	
Sampled by	<i>J.H.</i>	

COP

Compatible? (RT# )	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	7.0		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.79
Physical Description			Resistivity	
Stream Consistency	<input type="radio"/> Yes	<input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes	<input type="radio"/> No		
Temperature	63°F			
Conductivity	34.8ms			
% Solids	1.7			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	5.0			
Radiation Screen (as needed)				
Lab Signature	<i>[Signature]</i>			

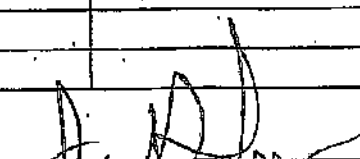
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	@ 14:40	02-25-17
Receiving ID#	I02251702	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.A.	
Sampled by	J.F. 7.	

COPY

Compatible? (RT# )	<input checked="" type="checkbox"/> Yes	No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	7.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	1.49
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	63°F			
Conductivity	28.4 mS			
% Solids	1.4			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

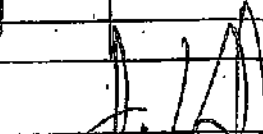
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7:45 AM	02-26-17
Receiving ID#	E02261701	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	T.E.	

COPY

Compatible? (RT# )	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	6.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.97
Physical Description		Resistivity	
Stream Consistency	Yes <input type="checkbox"/> No <input type="checkbox"/>	Sulfate	
Oil in Sample	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Temperature	76°F		
Conductivity	27.8 μS		
% Solids	1.4		
Turbidity	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

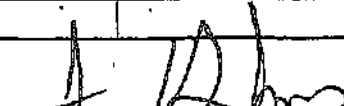
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	0845	2/27/17
Receiving ID#	102271701	
Manifest# Line:		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	J.H.	

**COPY**

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm) (City Waste Only)?		Calcium	
TOC (ppm) (CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	4.22
Physical Description		Resistivity	
Stream Consistency	<input type="radio"/> Yes <input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes <input type="radio"/> No		
Temperature	67°F		
Conductivity	84.0 mS		
% Solids	4.2		
Turbidity	<input type="radio"/> Yes <input type="radio"/> No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

**WASTE STREAMS  
CHARACTERIZATIONS**



**GENERATOR INFORMATION**



**WASTE INFORMATION**

Name of Waste/Common Chemical Name:

SPENT CHROMIC ACID BATH

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

CLEAN OUT OF CHROME PLATING TANKS

**USEPA / STATE WASTE IDENTIFICATION**

1. This waste is considered to be:  Non Hazardous Liquid Industrial Waste  Hazardous Waste  
 2. Regulated by TSDA?  Yes  No (PCEs, etc)  
 3. List ALL Applicable Waste Codes: P002 D006 D207 D008

**PHYSICAL CHARACTERISTICS OF WASTE**

Color <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Blackish <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-5% <input type="checkbox"/> >5%	Layers <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input checked="" type="checkbox"/> 1.3-1.4 Exact / Other <u>1.2</u>	acceptable 02, 2017
---	--	---	---	------------------------

pH:  NA  ≤ 2  2-4  4-6  6-8  8-10  10-12.5  ≥ 12.5

Liquid Flash Point:  <73°F  73-100°F  101-140°F  141-200°F  ≥200°F  None  Closed Cup  Open Cup

VOC CONCENTRATION - 0 ppm (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
CHROMIC ACID	1	95	LEAD	0-50	ppm
WATER	36	99	NICKEL	0-75	ppm
ARSENIC	0-2	ppm	SILVER	0-2.5	ppm
CHROMIUM	0-5	ppm	ZINC	0-16	ppm
COPPER	0-500	ppm	CHROMIUM	0-25	%

Metals: Indicate if this waste contains any of the following metals. If Generator Knowledge provide backup

Lab Analysis  Generator Knowledge  TCLP  TOTAL

Not Present	Concentration	Not Present	Concentration	Element	Code	Limit	Unit	Value	Unit
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	< 5	ppm	---	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D005	< 100	ppm	---	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D006	< 1	ppm	36	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	< 5	ppm	125	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Lead (Pb)	D008	< 5	ppm	50	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Mercury (Hg)	D009	< 0.2	ppm	---	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Selenium (Se)	D010	< 1	ppm	---	ppm
<input checked="" type="checkbox"/>	ppm	<input checked="" type="checkbox"/>	ppm	Silver (Ag)	D011	< 5	ppm	---	ppm

TCLP Organics D012 - D043 above regulatory limits: Present  Not Present

IS WASTE ANY OF THE FOLLOWING? At Least One Box Must Be Checked.

- Radioactive  Water Reactive  Oxidizer  Shock Sensitive  Reactive (other)  DOT Explosives  
 NIOSH Human-Potential Carcinogens  NESHAP Wastes (Benzene, etc.)  Biological  None Apply

**SHIPPING INFORMATION**

- Is this a DOT Hazardous Material (49CFR 172.101 & 178 Subpart D)?  Yes  No
- Reportable Quantity (RQ) in pounds \_\_\_\_\_
- DOT Shipping Name: UN1755, WASTE CHROMIC ACID SOLUTION Hazard Class 8 UNNA UN1755
- PG II ERG \_\_\_\_\_ Hazardous Constituents for "n.p.s." \_\_\_\_\_
- Method of shipment:  Bulk Tanker  Van truck  Rail Car  Drums  Totes
- Number of Units to Ship Now: None 6. Anticipated Volume / Units per Year: 2-3 Totes/yr or  One Time
- Special Handling Requirements including PPE: None

**CERTIFICATION STATEMENT**

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted 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 Environmental Geo-Technologies not to correct any inaccuracies. Any correction Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and regulatory requirements.

**GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS:** PLEASE collect a representative liquid sample of the waste described in the above referenced Generator's Waste Profile Report using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

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

**GENERATOR INFORMATION**



**BILLING INFORMATION**

Company Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Attention: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

**WASTE INFORMATION**

Name of Waste/Common Chemical Name:  
Stage 1 Concrete  
 Process Generating Waste (Please be specific, incomplete information may delay the approval process):  
Non-hazardous waste treatment

**USEPA / STATE WASTE IDENTIFICATION**

- This waste is considered to be:  Non Hazardous Liquid Industrial Waste  Hazardous Waste
- Regulated by TSCA?  Yes  No (PGBs, etc.)
- List All Applicable Waste Codes: 029L

**PHYSICAL CHARACTERISTICS OF WASTE**

<b>Color:</b> <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	<b>Suspended Solids</b> <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	<b>Layers:</b> <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	<b>Specific Gravity:</b> <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.06</u>	acceptable 020217
--	---	---	---	----------------------

pH:  NA  ≤ 2  2-4  4-6  6-8  8-10  10-12.5  ≥ 12.5

Liquid Flash Point:  <73°F  73-100°F  101-140°F  141-200°F  >200°F  None  Closed Cup  Open Cup

VOC CONCENTRATION - 0 PPW (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>Water</u>	<u>99</u>	<u>90</u>			
<u>Solids</u>	<u>10</u>	<u>10</u>			

Metals: Indicate if this waste contains any of the following metals.. If Generator Knowledge provide backup

Lab Analysis  Generator Knowledge  TCLP  TOTAL

Not Present		Concentration	Not Present		Concentration				
PCB	<input type="checkbox"/>	_____ ppm	Aromatic Amine	<input type="checkbox"/>	_____ ppm	Arsenic (As)	D004	<input type="checkbox"/>	5 ppm
Dioxins	<input type="checkbox"/>	_____ ppm	pesticides	<input type="checkbox"/>	_____ ppm	Barium (Ba)	D005	<input type="checkbox"/>	400 ppm
Cyanides Reactive	<input type="checkbox"/>	_____ ppm	rodenticides	<input type="checkbox"/>	_____ ppm	Cadmium (Cd)	D008	<input type="checkbox"/>	1 ppm
Cyanides Total	<input type="checkbox"/>	_____ ppm	Fungicides	<input type="checkbox"/>	_____ ppm	Chromium (Cr)	D007	<input type="checkbox"/>	5 ppm
Sulfides Reactive	<input type="checkbox"/>	_____ ppm				Lead (Pb)	D008	<input type="checkbox"/>	5 ppm
Sulfides Total	<input type="checkbox"/>	_____ ppm				Mercury (Hg)	D009	<input type="checkbox"/>	0.2 ppm
						Selenium (Se)	D010	<input type="checkbox"/>	1 ppm
						Silver (Ag)	D011	<input type="checkbox"/>	5 ppm

TCLP Organics D012 - D049 above regulatory limits: Present  Not Present

IS WASTE ANY OF THE FOLLOWING? At Least One Box Must Be Checked.

- Radioactive  Water Reactive  Oxidizer  Shock Sensitive  Reactive (other)  DOT Explosives  
 NIOSH Human-Positive Carcinogens  NESHAP Wastes (Benzene, etc.)  Biological  None Apply

**SHIPPING INFORMATION**

- Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)?  Yes  No
- Reportable Quantity (RQ) in pounds \_\_\_\_\_
- DOT Shipping Name Waste non-DOT, non-RCRA material Hazard Class \_\_\_\_\_ UNNA \_\_\_\_\_  
 PG \_\_\_\_\_ ERO \_\_\_\_\_ Hazardous Constituents for "h.o.s." \_\_\_\_\_
- Method of Shipment:  Bulk Tanker  Vao truck  Rail Car  Drums  Totes
- Number of Units to Ship Now: \_\_\_\_\_ 6. Anticipated Volume / Units per Year: 30 Kg/d/yr or  One Time
- Special Handling Requirements including PPE: \_\_\_\_\_

**CERTIFICATION STATEMENT**

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein. If this box is checked , I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

**GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS:** PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATOR'S WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

4. Sample No. \_\_\_\_\_ Preservation: Yes  No

5. CHAIN OF CUSTODY Each person who handles the sample must sign below when the sample passes from one to another.


Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	1/31/17
Receiving ID#	Stage   Concentrate
Manifest#	Line:
Land Ban Cert included	Yes. No.
EGT Approval#	[REDACTED]
Client	[REDACTED]
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	Clay

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?	N/A	Calcium	
TOC (ppm)(CC Waste Only)?	N/A	Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	7.5	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	1.06	TDS	
Physical Description	Liquid	Resistivity	
Stream Consistency	<input checked="" type="radio"/> Yes <input type="radio"/> No	Sulfate	
Oil In Sample	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Temperature	64°F		
Conductivity	45.8 µS		
% Solids	6.1		
Turbidity	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Color (visual)	Brown		
TSS (%)	< 0.1		
Radiation Screen (as needed)	Negative		
Lab Signature			

**ENVIRONMENTAL GEO-TECHNOLOGIES, LLC**

28470 Citrin Dr, Romulus, MI 48174. Telephone 734 846 1000. Fax 734 846 1002

**Generator Waste Profile**

Profile # **01089**

**GENERAL INFORMATION**



Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Attention: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

**WASTE INFORMATION**

Name of Waste/Common Chemical Name:

Waste Water

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

Sprayed out a furnace from all sides and this is the residual water

**USEPA / STATE WASTE IDENTIFICATION**

- 1. This waste is considered to be:  Non Hazardous Liquid Industrial Waste  Hazardous Waste
- 2. Regulated by TSCA?  Yes  No (PCBs, etc.)
- 3. List ALL Applicable Waste Codes: 624L

**PHYSICAL CHARACTERISTICS OF WASTE**

<b>Color:</b> <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	<b>Suspended Solids</b> <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	<b>Layers:</b> <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	<b>Specific Gravity:</b> <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.12</u>	<i>Accepted</i>  <u>02/28/17</u>
--	---	---	---	--

pH:  NA  ≤ 2  2-4  4-6  6-8  8-10  10-12.5  ≥ 12.5

Liquid Flash Point:  <73°F  73-100°F  101-140°F  141-200°F  >200°F  None  Closed Cup  Open Cup

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>Water</u>	<u>0</u>	<u>97</u>			%
<u>Solids</u>					%
					%
					%
					%

Metals: Indicate if this waste contains any of the following metals. If Generator knowledge provide backup

<input type="checkbox"/> Lab Analysis	<input checked="" type="checkbox"/> Generator Knowledge	<input checked="" type="checkbox"/> TCLP	<input type="checkbox"/> TOTAL
---------------------------------------	---	--	--------------------------------

Not Concentration		Not Concentration						
Present	ppm	Present	ppm					
<input type="checkbox"/>	_____	Aromatic Amine	<input type="checkbox"/>	_____	Arsenic (As)	D004	<input type="checkbox"/> < 5 ppm	_____ ppm
<input type="checkbox"/>	_____	Pesticides	<input type="checkbox"/>	_____	Barium (Ba)	D005	<input type="checkbox"/> < 100 ppm	_____ ppm
<input type="checkbox"/>	_____	Rodenticides	<input type="checkbox"/>	_____	Cadmium (Cd)	D008	<input type="checkbox"/> < 1 ppm	_____ ppm
<input type="checkbox"/>	_____	Fungicides	<input type="checkbox"/>	_____	Chromium (Cr)	D007	<input type="checkbox"/> < 5 ppm	_____ ppm
<input type="checkbox"/>	_____				Lead (Pb)	D008	<input type="checkbox"/> < 5 ppm	_____ ppm
<input type="checkbox"/>	_____				Mercury (Hg)	D009	<input type="checkbox"/> < 0.2 ppm	_____ ppm
<input type="checkbox"/>	_____				Selenium (Se)	D010	<input type="checkbox"/> < 1 ppm	_____ ppm
<input type="checkbox"/>	_____				Silver (Ag)	D011	<input type="checkbox"/> < 5 ppm	_____ ppm

TCLP Organics D012 - D043 above regulatory limits: Present  Not Present

IS WASTE ANY OF THE FOLLOWING? At Least One Box Must Be Checked.

- Radioactive  
  Water Reactive  
  Oxidizer  
  Shock Sensitive  
  Reactive (other) ..  
  DOT Explosives  
 NIOSH Human-Positive Carcinogens  
  NESHAP Wastes (Benzene, etc.)  
  Biological  
  None Apply

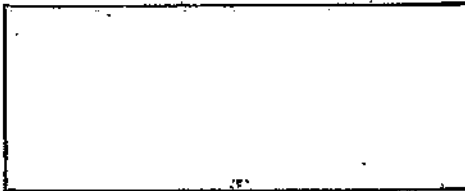
**SHIPPING INFORMATION**

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)?  Yes  No
2. Reportable Quantity (RQ) in pounds \_\_\_\_\_
3. DOT Shipping Name WASTE NON-DOT, NON-RCRA MATERIAL Hazard Class --- UN/NA ---
- PG --- ERG --- Hazardous Constituents for "h.o.s." ---
4. Method of Shipment:  Bulk Tanker  Vac truck  Rail Car  Drums  Totes
5. Number of Units to Ship Now: \_\_\_\_\_ 6. Anticipated Volume / Units per Year: VARIES or  One Time
6. Special Handling Requirements including PPE: \_\_\_\_\_

**CERTIFICATION STATEMENT**

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein. If this box is checked , I request Environmental Geo-Technologies not to correct any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample characterization and/or regulatory requirements.

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5. CHAIN OF CUSTODY: Each person who handles the sample must sign below when the sample passes from one to another.

Relinquished by: (Signature)	Received by: (Signature)	Date	Time

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	2/6/17
Receiving ID#	Waste / Water
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #:	[REDACTED]
Transporter	
Time In	
Time out	
Received by	A.H.
Sampled by	Clayton

Compatible? (RT# )	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium
PCBs (ppm) (Oily Waste Only)?	N/A	Calcium
TOC (ppm) (GC Waste Only)?	N/A	Total Iron
Flash Point (°F)	2140	Magnesium
pH (S.U.)	9.4	Sodium Chloride
Cyanides? (mg/L)	230	Bicarbonate
Sulfides? (ppm)	2200	Carbonate
Specific Gravity	1.13	TDS
Physical Description	liquid	Resistivity
Stream Consistency	<input checked="" type="radio"/> Yes <input type="radio"/> No	Sulfate
Oil In Sample	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Temperature	66°F	
Conductivity	112.0 mS	
% Solids	11.9	
Turbidity	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Color (visual)	Brown	
TSS (%)	2.1	
Radiation Screen (as needed)	Negative	
Lab Signature	[Signature]	





# Environmental GEO-Technologies, LLC

February 17, 2017

**United States Environmental Protection Agency**  
**Region 5, WU-16J**  
77 West Jackson Blvd.  
Chicago, Illinois 60604-3590  
ATTN: UIC Branch, DI Section

Re: Written Report, EGT Injection Parameter Exceedances, Well #1 Minimum Annulus Pressure & Minimum Annulus Differential Pressure (in conformance with MI-163-1W-CO10, Part III.A, page 1 of 3)

Ladies & Gentlemen:

Environmental Geo-Technologies, LLC ("EGT") is writing this report to inform you that two injection parameters, minimum annulus pressure and minimum annulus differential pressure, were both exceeded on February 13, 2017 & February 15, 2017.

EGT had a gasket rupture on the annulus system of injection well #1 causing an exceedance of the minimum annulus pressure requirement, and, the minimum annulus differential pressure requirement. This flange gasket rupture and pressure exceedances occurred on February 13<sup>th</sup> @ 6:50 pm inside the containment of well #1. The first EGT deep well operator was on site at 6:00 am on February 14<sup>th</sup> and identified the pressure loss on the well #1 annulus at 6:15 am. A new gasket was installed in the annulus pipe flange at 11:00 am and the system was pressurized and returned to conformance and in compliance at 11:02 am. Our Mr. John Frost (General Manager) called Mr. Allan Batka's office phone and left a voice mail explaining the conditions of the event at approximately 4:00 pm that same afternoon.

A follow-up event also occurred on Well #1 on February 15<sup>th</sup> at 5:40 am when the minimum annulus pressure and the minimum annulus differential pressure requirements were exceeded because of a front seal leak on the Cat pump that supplies the pressure for the annulus system. This, in the same way as the first event, was identified by the first EGT deep well operator on site that day at 6:10 am. The line was pressurized and was back in conformance and in compliance at 7:02 am. The pump front seal failure was caused by isolating the line during the first loss of pressure event and then an operator turned the pump on without opening the valve and maximizing the pressure on the line and pump. As with the February 13<sup>th</sup> incident, our Mr. John Frost called and left a voice mail for Mr. Batka at approximately 4:00 pm that same afternoon explaining the conditions of the event.

This written report is hereby timely [within five (5) working days] submitted and in conformance with EGT's UIC Injection Permit # MI-163-1W-CO10, Part 1.E.12.d.3 for the occurrences that occurred on 02.13.17 & 02.15.17 that were verbally reported to Mr. Allan Batka on 02.13.17 & 02.15.17 respectively.

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 inquiry of the person or persons who manage the system, or those persons directly responsible for gathering 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,



Richard J. Powals, P.E.  
Vice President

cc: J. Frost (EGT), P. Sullivan (EGT)

rjp021717/EGTEPAWell#1WrittenReport021717