

February 28, 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 thirty-ninth 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 twentieth Injection Fluid Analyses (for January, 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.

rjp022817/EGTEPAMonthlyReport-January, 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 Compound Data Summary Sheet

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

ATS Project: Environmental Geo-Technologies, Inc. #E008-0
 Report Date: 2/27/17
 ATS SRF: 0201171

Sample Identification: January Composite 2017

Sample Date:	1/31/17	QC Batch Number:	QCORG0207171-E
Laboratory Receipt Date:	2/1/17		B7B0028
Preparation Date:	2/7/17, 2/7/17	Sample Matrix:	Wastewater
Analysis Date:	2/22/17, 2/9/17	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	0.0000000016	0.00000000005
Octachlorodibenzo-p-dioxin (3268-87-9)	EPA 1613B	mg/mL	<0.00000000005	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	108.4	(50 - 150)
Nitrobenzene-d5	EPA 8270 Mod	101.2	(50 - 150)
p-Terphenyl-d14	EPA 8270 Mod	156.4*	(50 - 150)
Tetrachloro-m-xylene (TCMX)	EPA 8270 Mod	115.2	(50 - 150)
13C-1,2,3,4,7,8-HxCDD	EPA 1613B	88.3	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	EPA 1613B	84.4	(28 - 130)
13C-1,2,3,7,8,9-HxCDD	EPA 1613B	89.8	(32 - 141)
13C-OCDF	EPA 1613B	88.5	(17 - 157)
13C-OCDD	EPA 1613B	80.2	(17 - 157)
13C-2,3,7,8-TCDD	EPA 1613B	106.0	(25 - 164)

Comments:

USEPA Analysis 1613B performed by Vista Analytical.

* Outside standard control limits.

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2017CURRENT REPORTING MONTH JANUARYDate (month, year) of the first injection into either well at the Citrin Road Facility NOV 2013

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
MI-163-1W-C010, Well #1-12			
Current Month	590,052	0	590,052
Since facility first injected			8,060,914
MI-163-1W-C011, Well #2-12			
Current Month	350	0	350
Since facility first injected			3,998,824
		Lifetime Combined	12,059,738

Conversion factors

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

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

Calculations

Whole number of months of injection 38

38 lifetime number of months of injection × 43,830 minutes/month
 = 1,665,540 minutes of injection

Lifetime combined injected volume 12,059,738 ÷ 1,665,540 minutes of injection
 = 7.2 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	176.0	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	221.1	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	175.6	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	124.7	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	0.0	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	70.1	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	83.9	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	73.5	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	156.2	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	81.2	453.6	953.9
1/27/2017	-9.9	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	0.0	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)

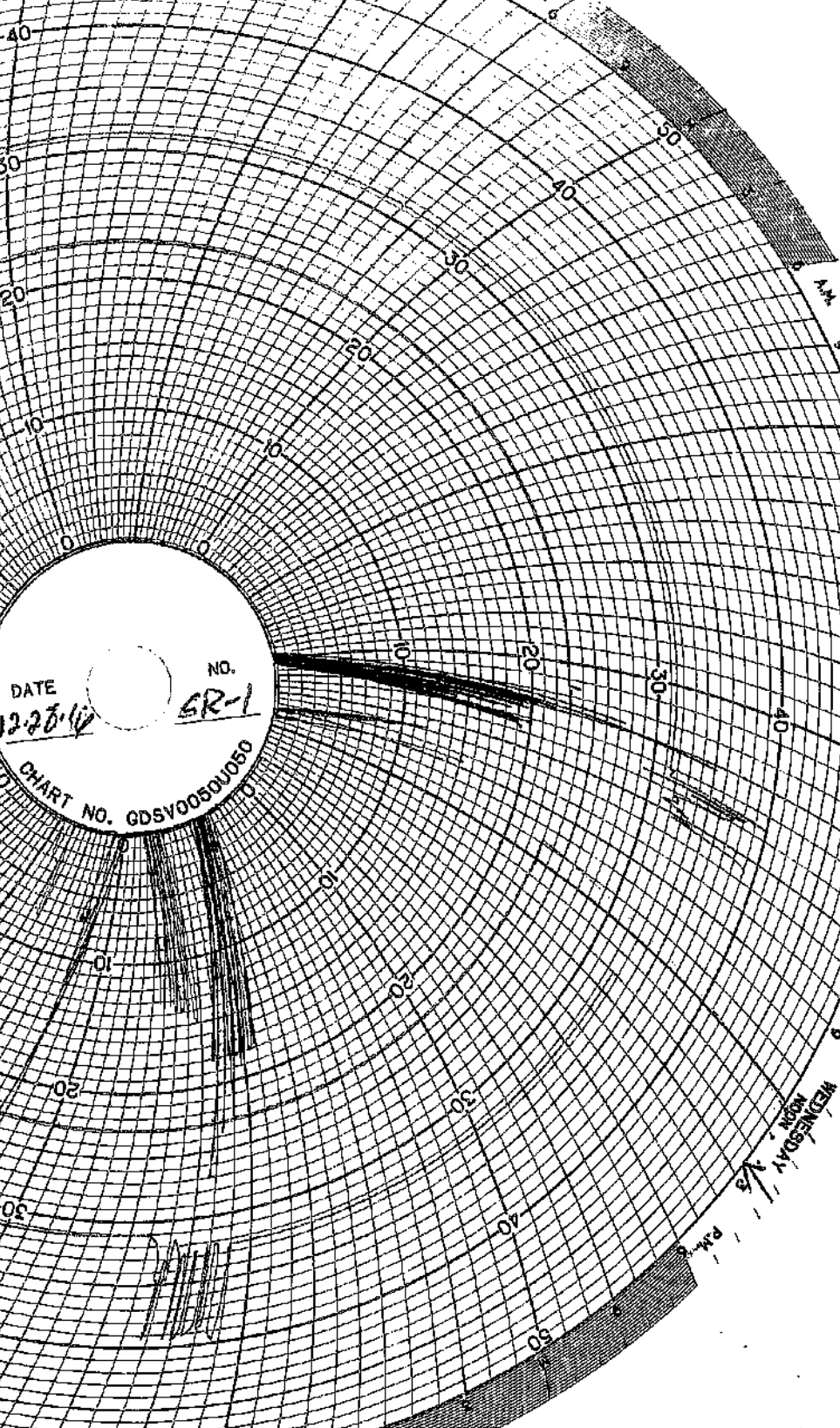
Channel #3

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

Channel #4

Black Pen – Temperature (chart value x 0)

UNITED STATES
SUNDAY
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DATE 12-28-10 NO. SR-1
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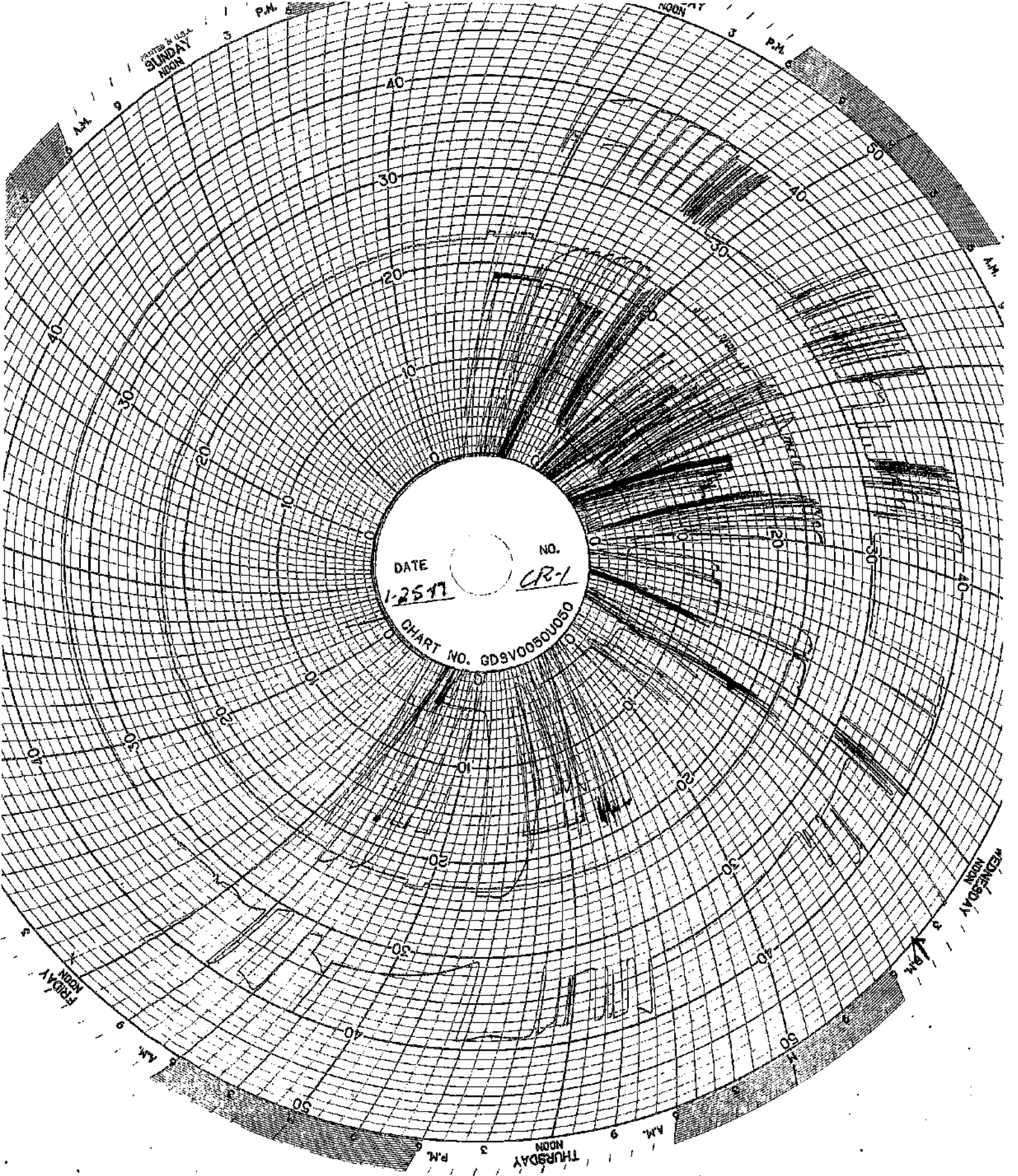
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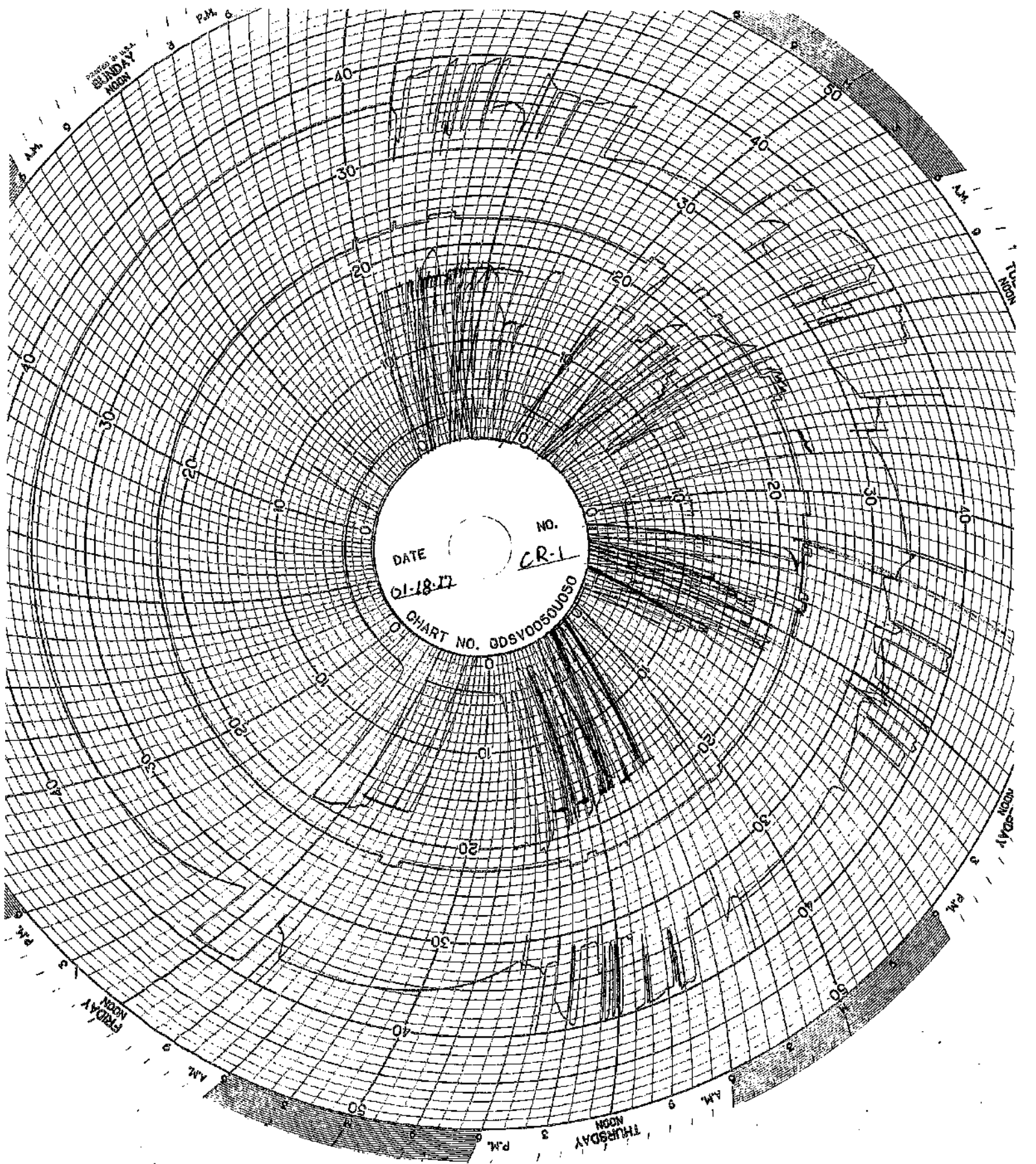


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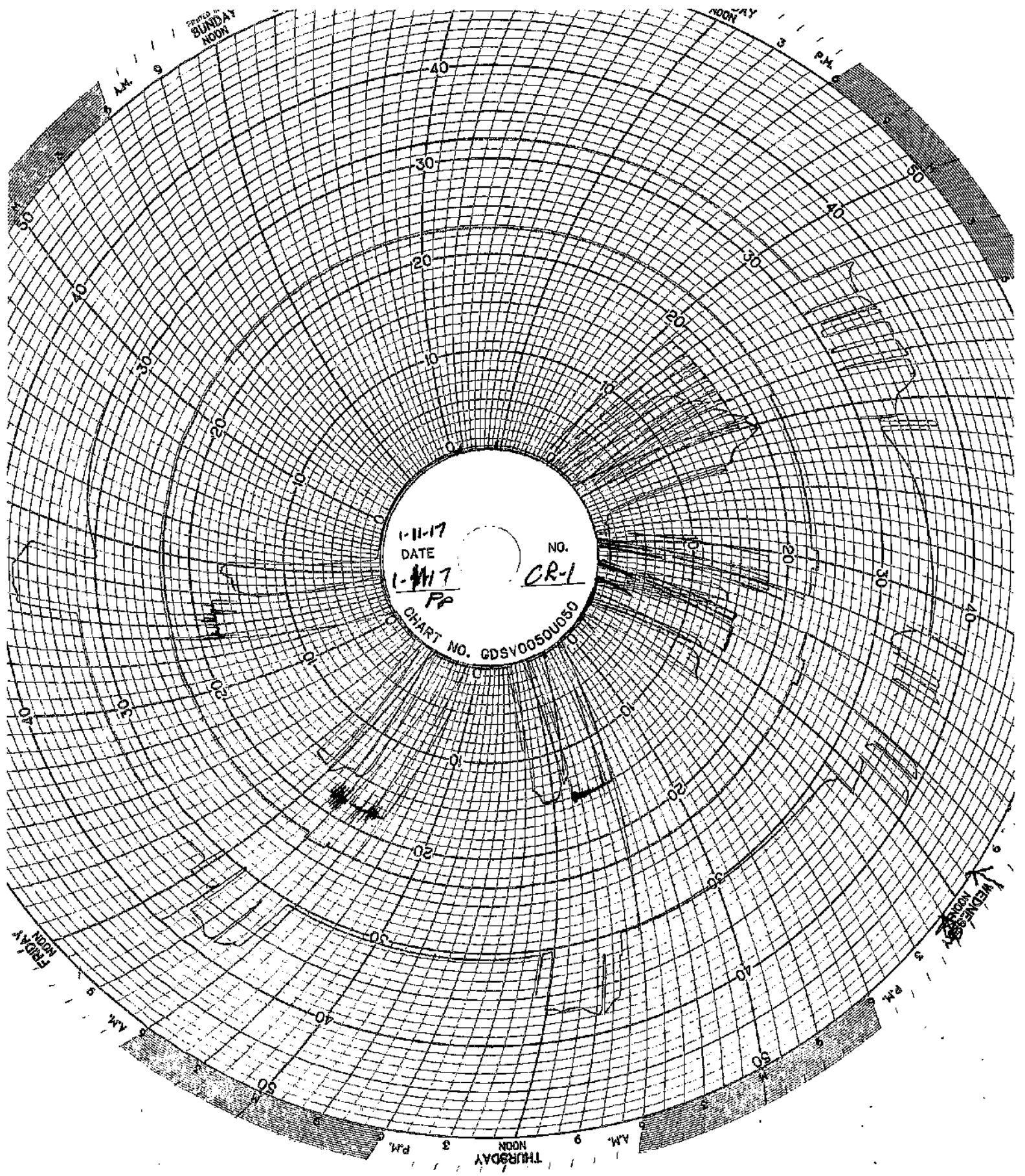


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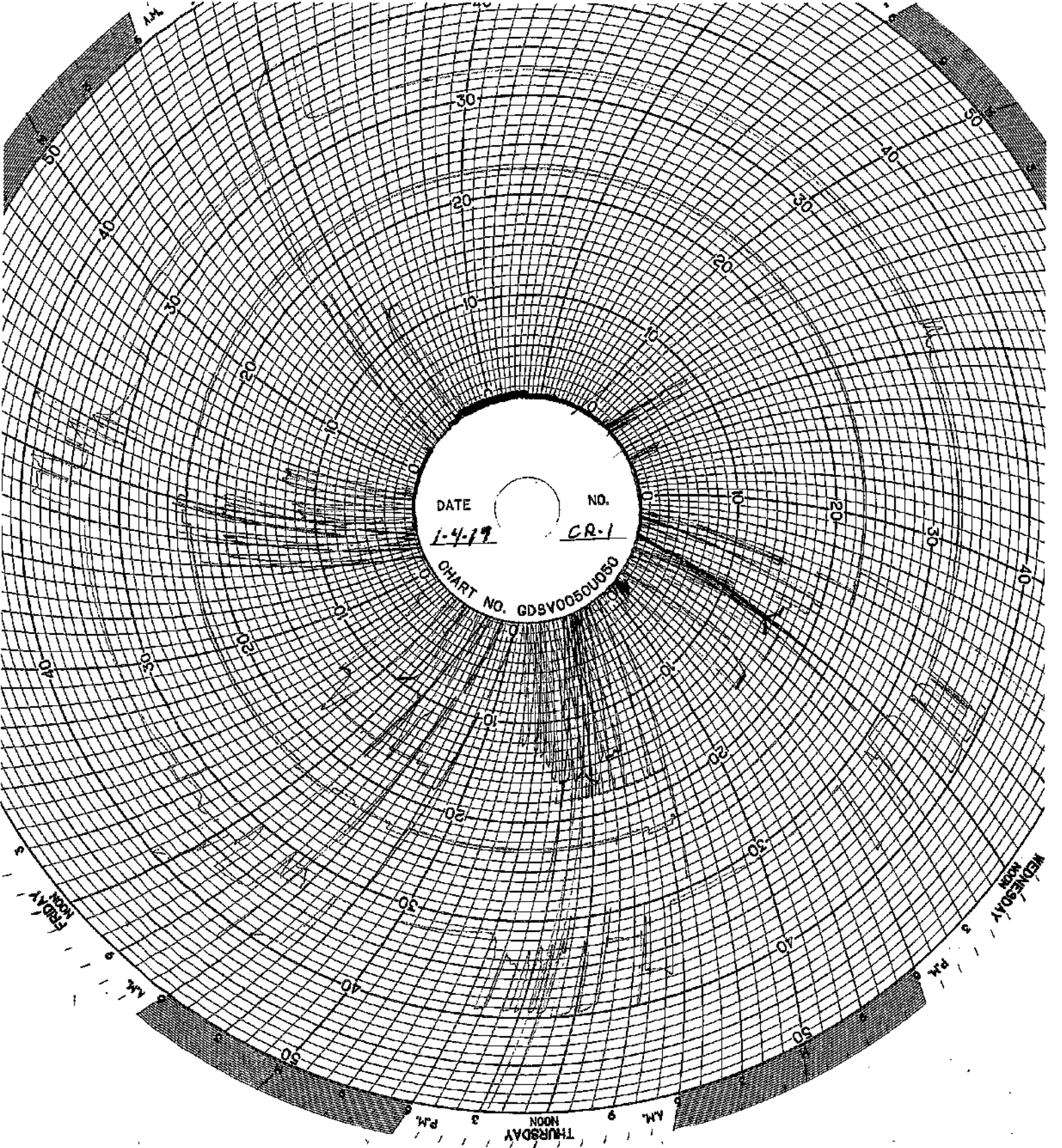


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WELL 2 DATA

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 Differentail Pressure (PSIG)	Max Differentail 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	-8.3	94.3	20.9	22.7	308.8	371.5	7.9	7.9	8.1	39.3	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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

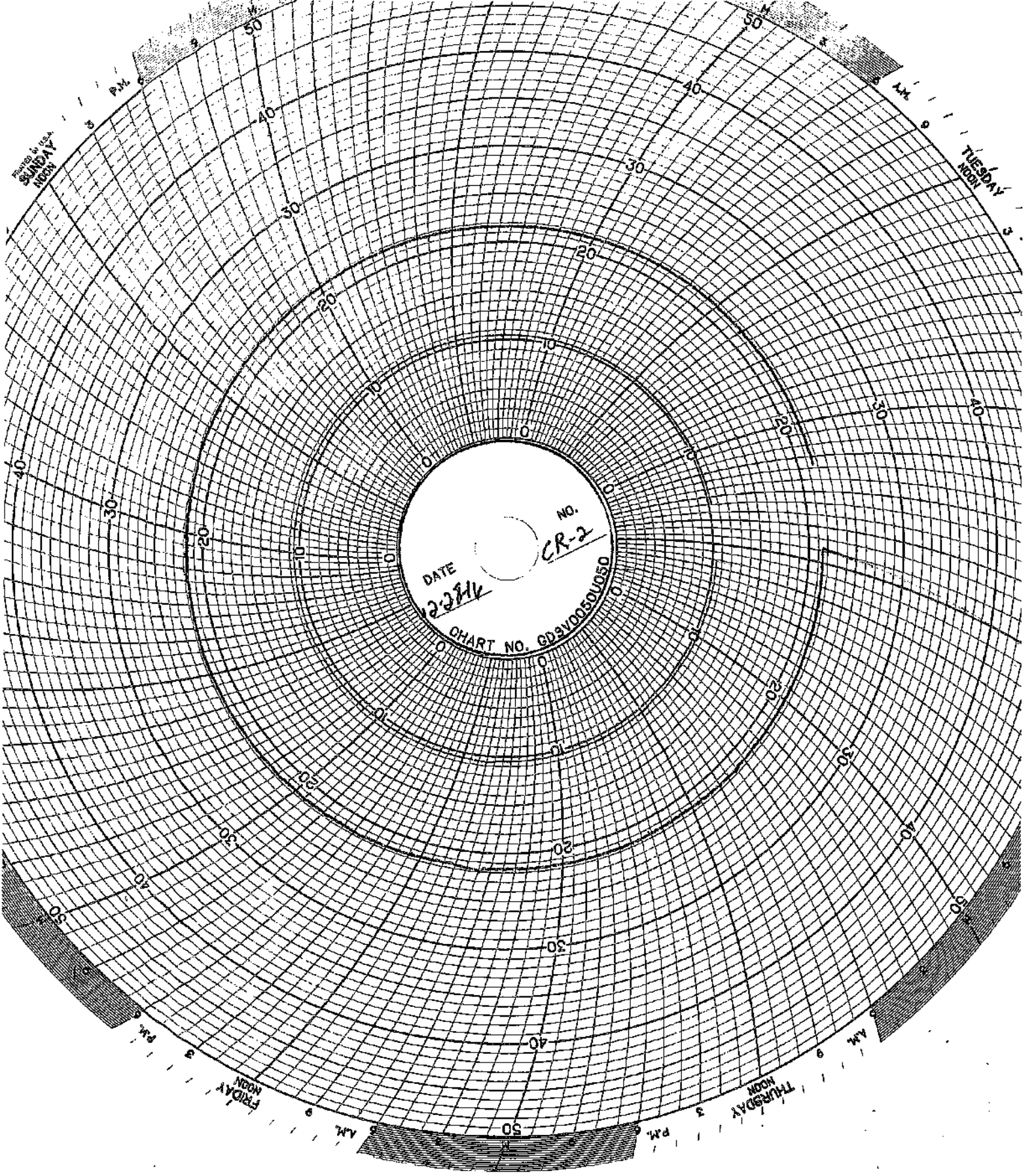
Red Pen – Well 1 Monthly Volume (chart value x 30)

Channel #3

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

Channel #4

Black Pen – Temperature (chart value x 0)



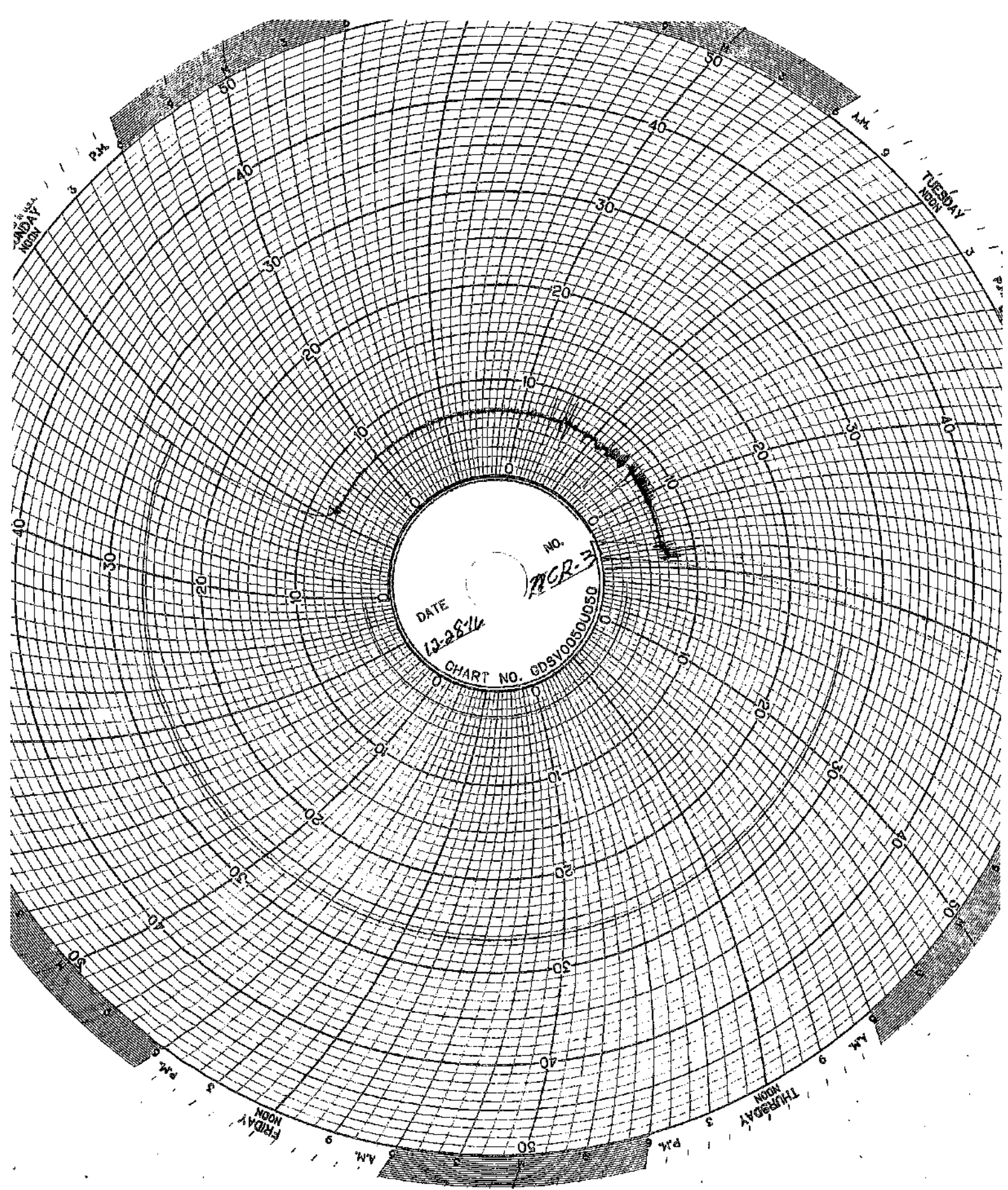
DATE 2/28/44
No. CR-2
CHART NO. GDSV0050050

U.S. Navy & USA
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MOON



DATE

12-28-76

No.

7CR-3

CHART NO. GDSY0050050

MONDAY

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FRIDAY

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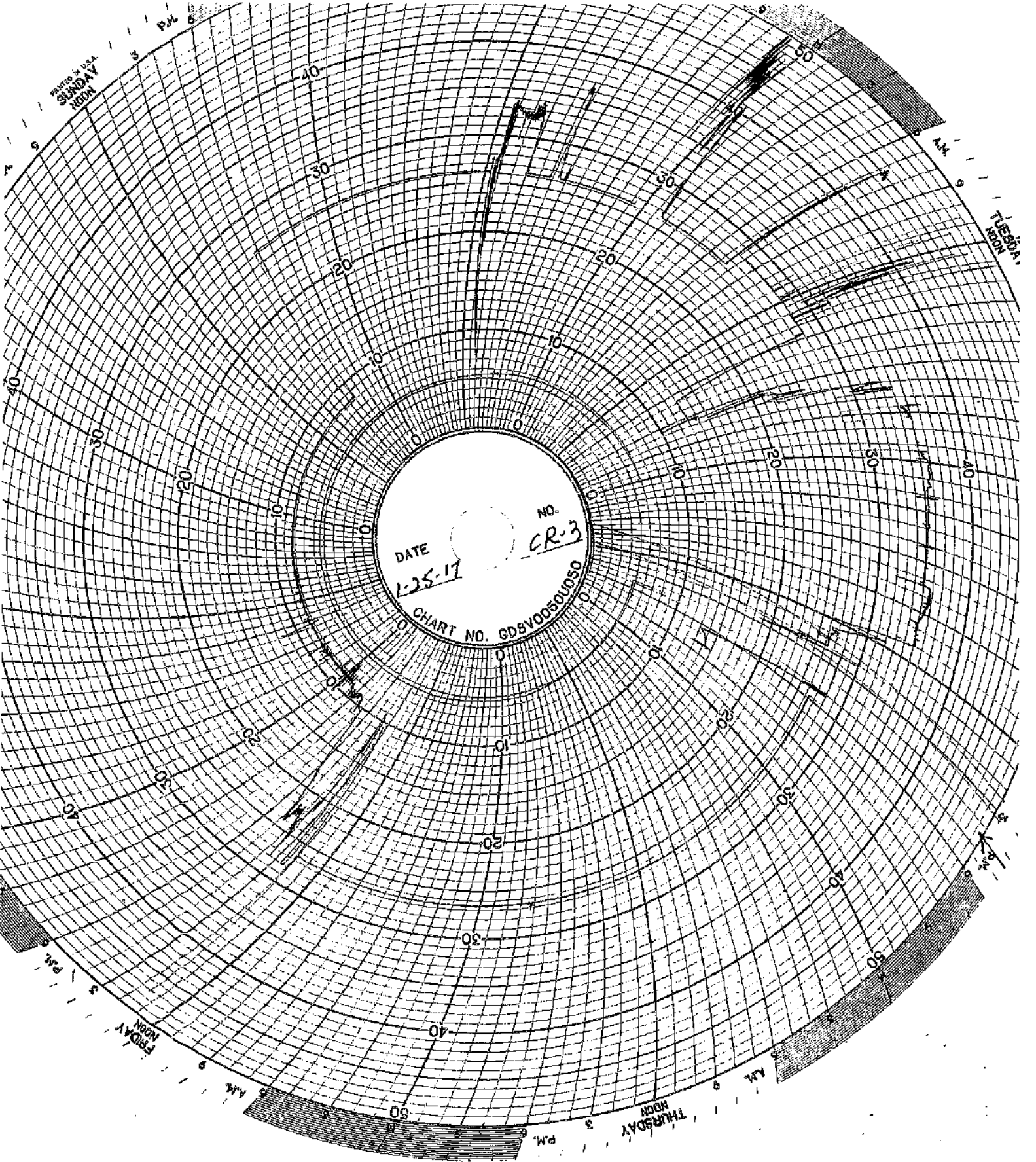
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9
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7
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4
3
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0
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1
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3
2
1
0



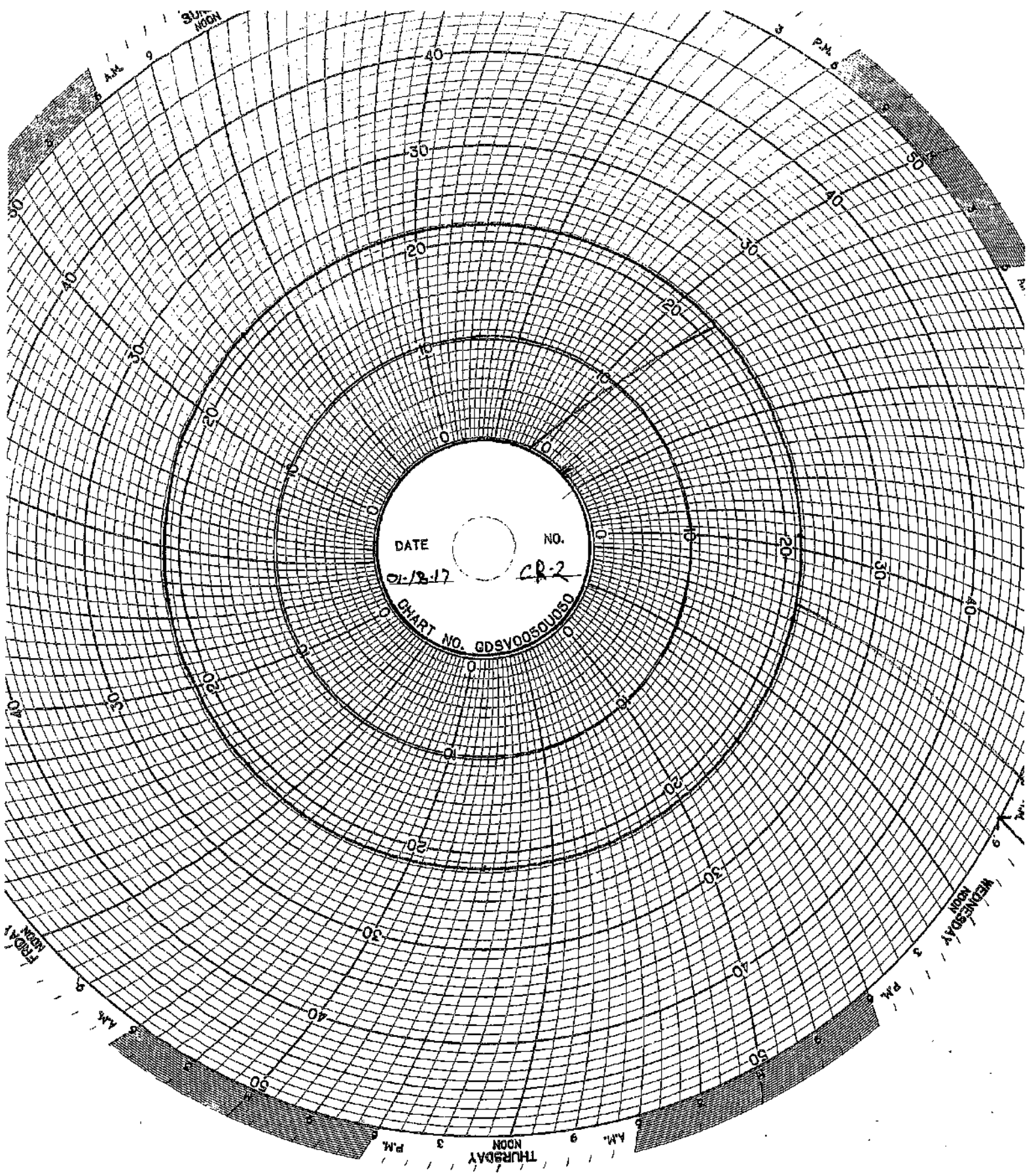
DATE 1-25-17
No. CR-3
CHART NO. GDSV0050U050

PRINTED IN U.S.A.
SUNDAY
NOON

TUESDAY
NOON

FRIDAY
NOON

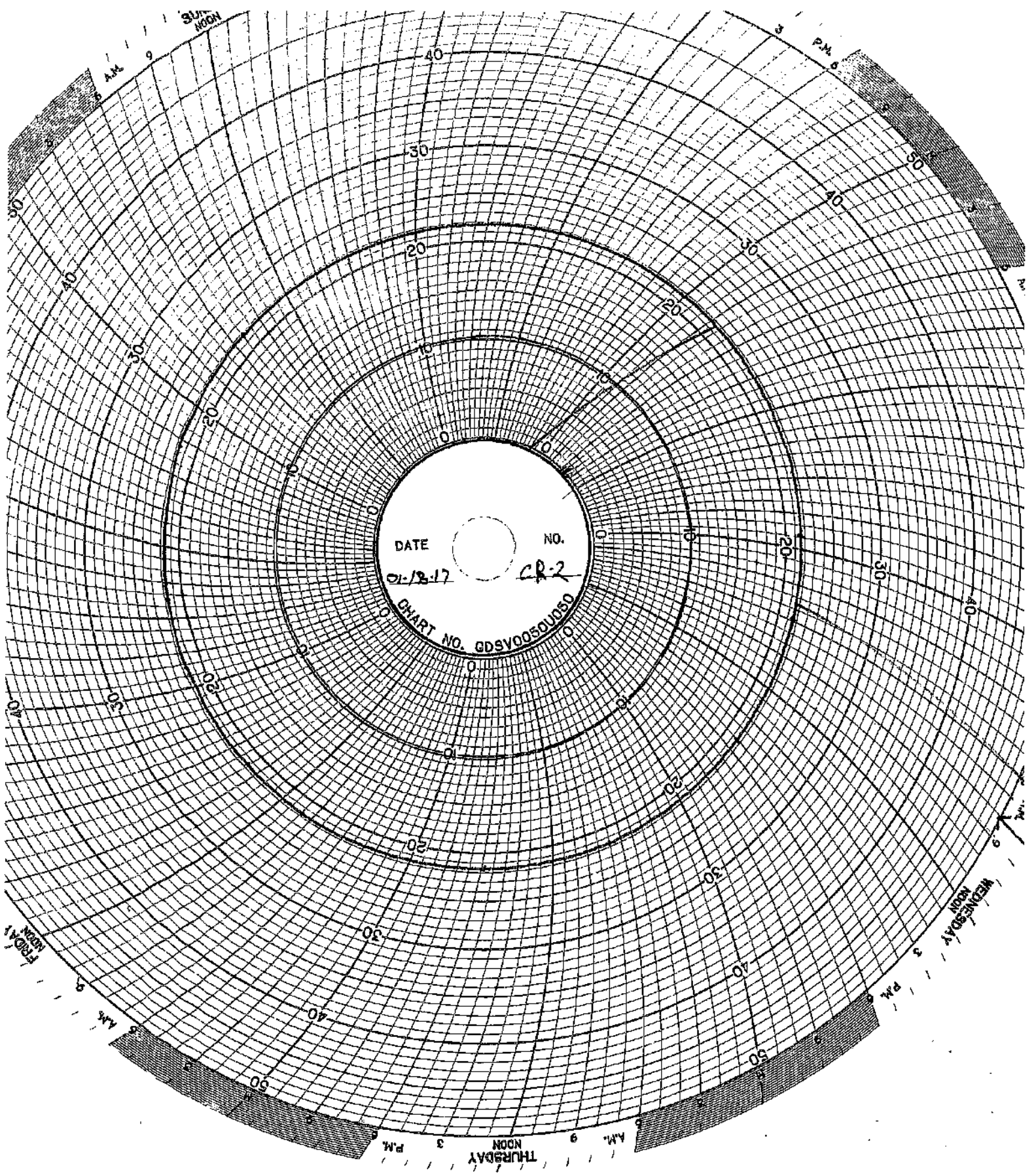
THURSDAY
NOON



DATE NO.

01-18-17 CR-2

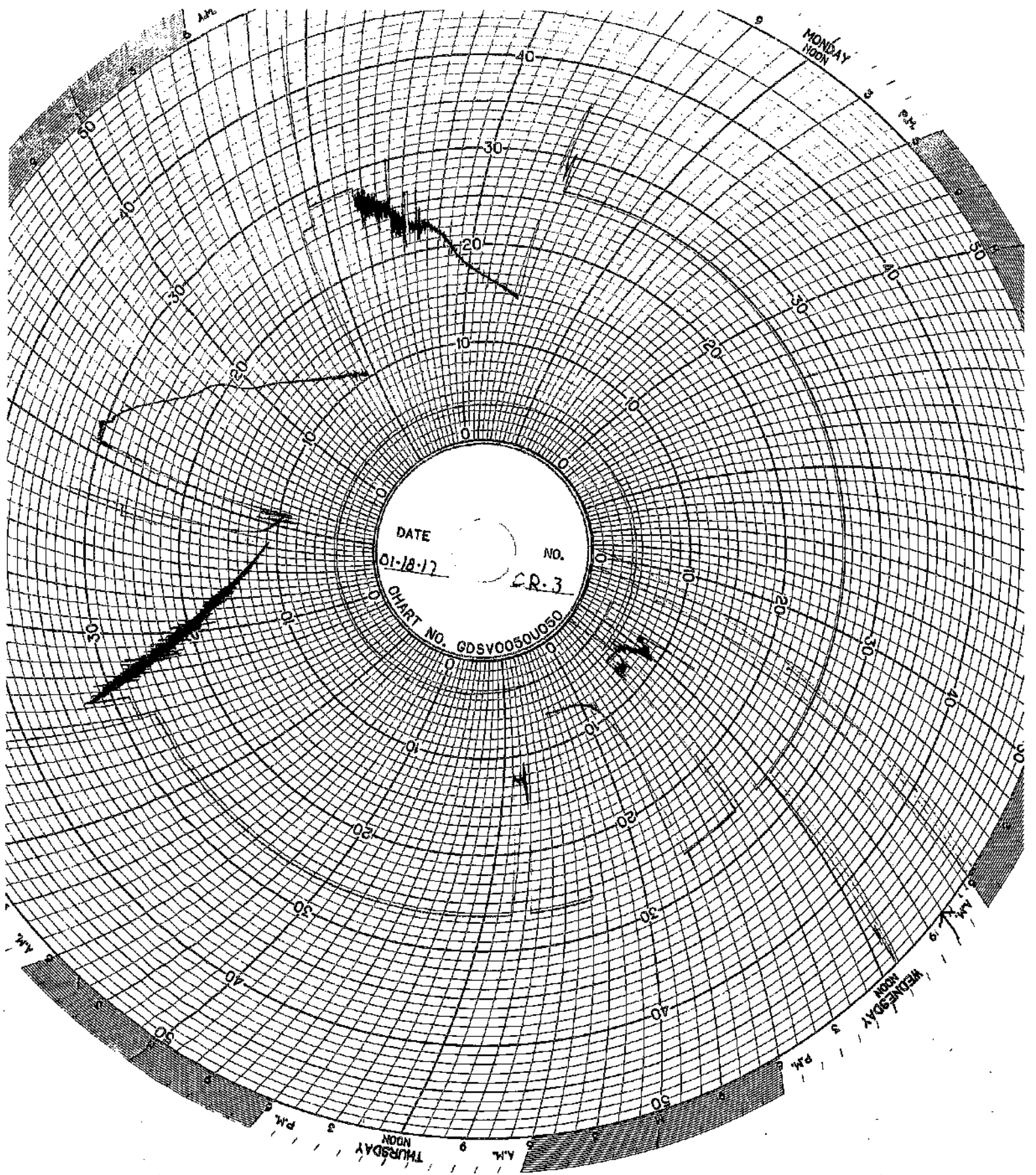
CHART NO. GDSV0050U050



DATE NO.

01-18-17 CR-2

CHART NO. GDSV0050U050



DATE
01-18-17

NO.
2R-3

CHART NO. GDSV00501050

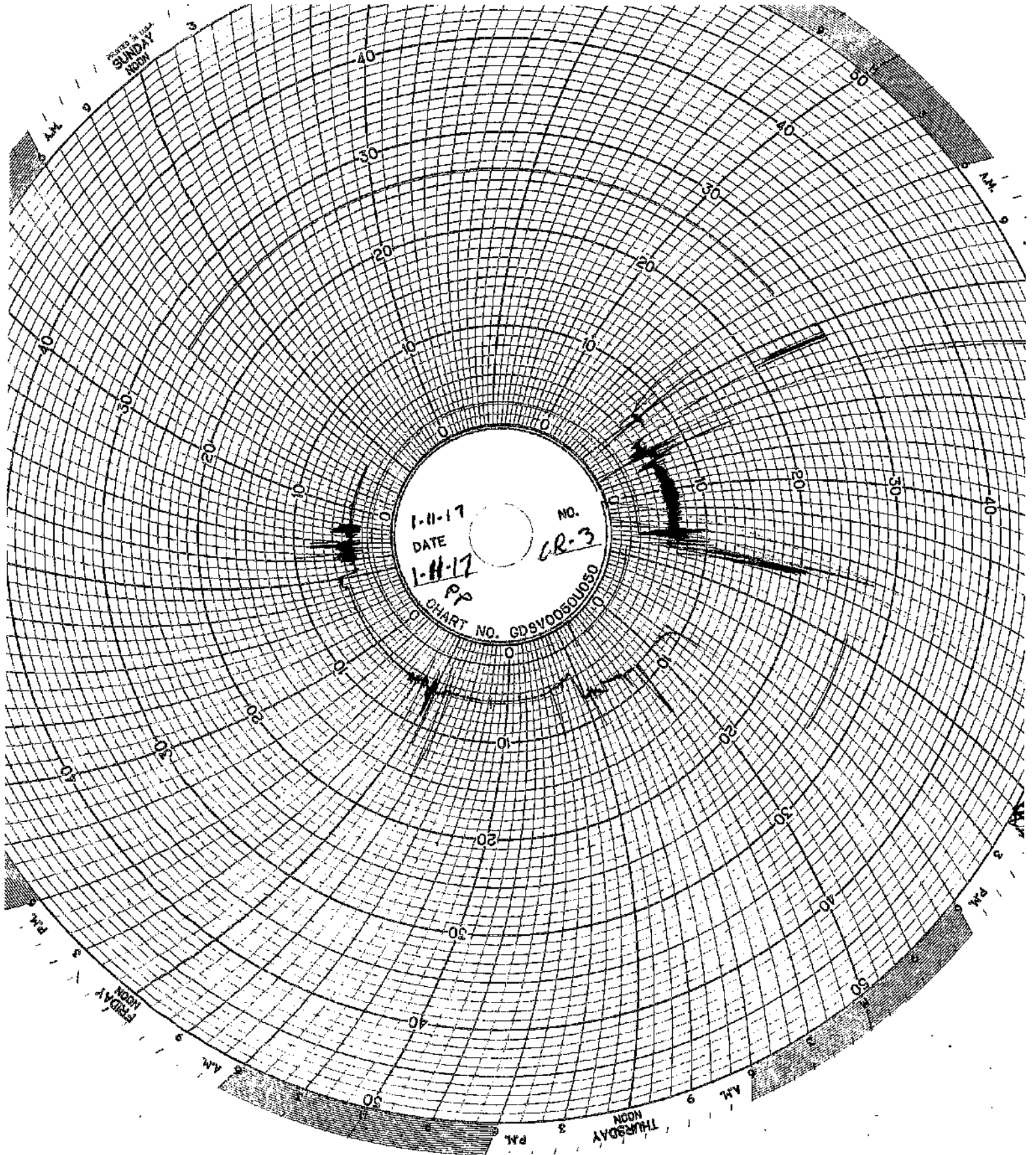
MONDAY
NOON

WEDNESDAY
NOON

THURSDAY
NOON

9 A.M.
3 P.M.

9 A.M.
3 P.M.



1-11-17
DATE
1-11-17
PP
NO. CR-3
CHART NO. GDSV0050U050

SUNDAY
NOON

MONDAY
3 AM

TUESDAY
3 AM

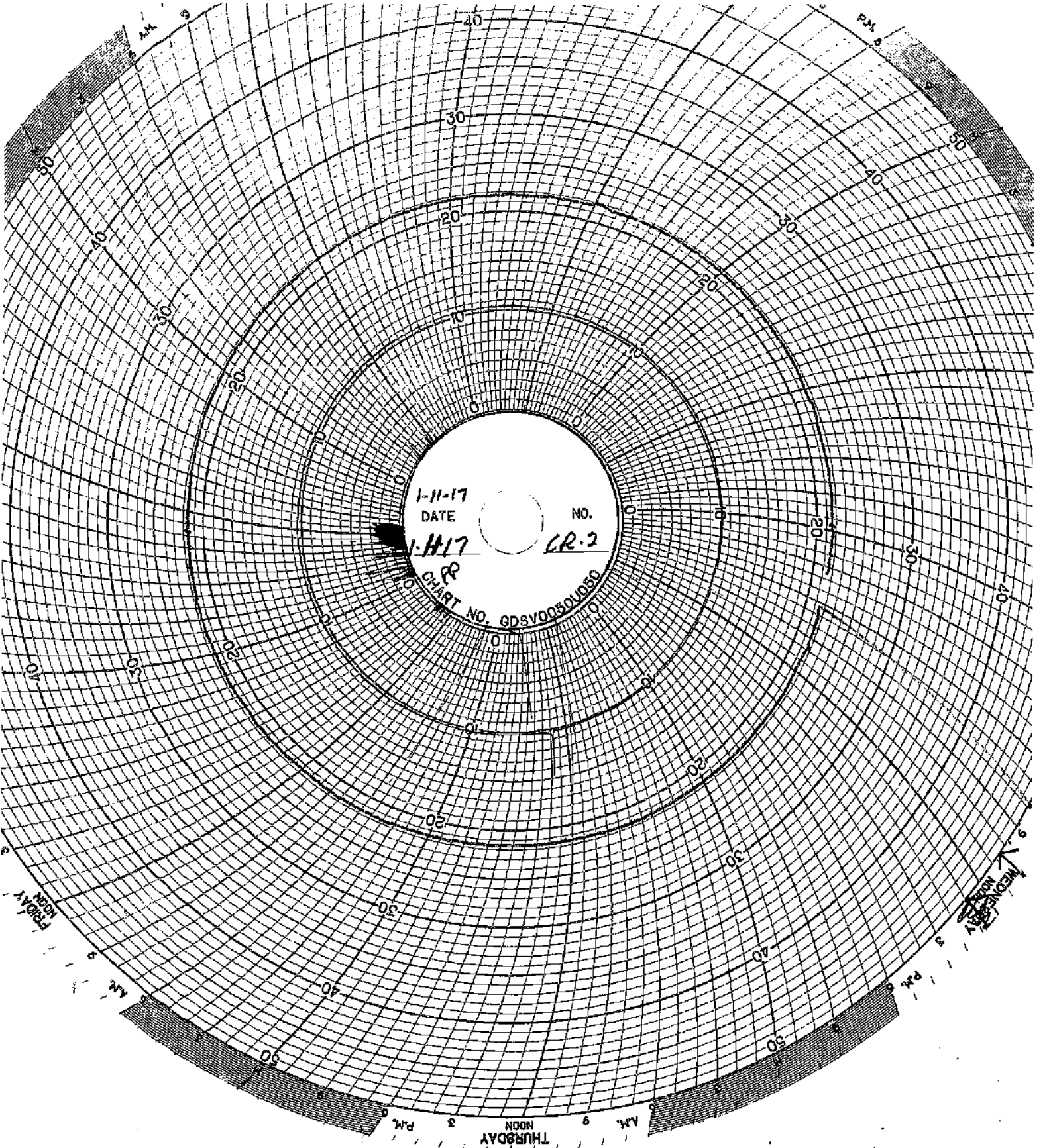
WEDNESDAY
3 AM

THURSDAY
3 AM

FRIDAY
3 AM

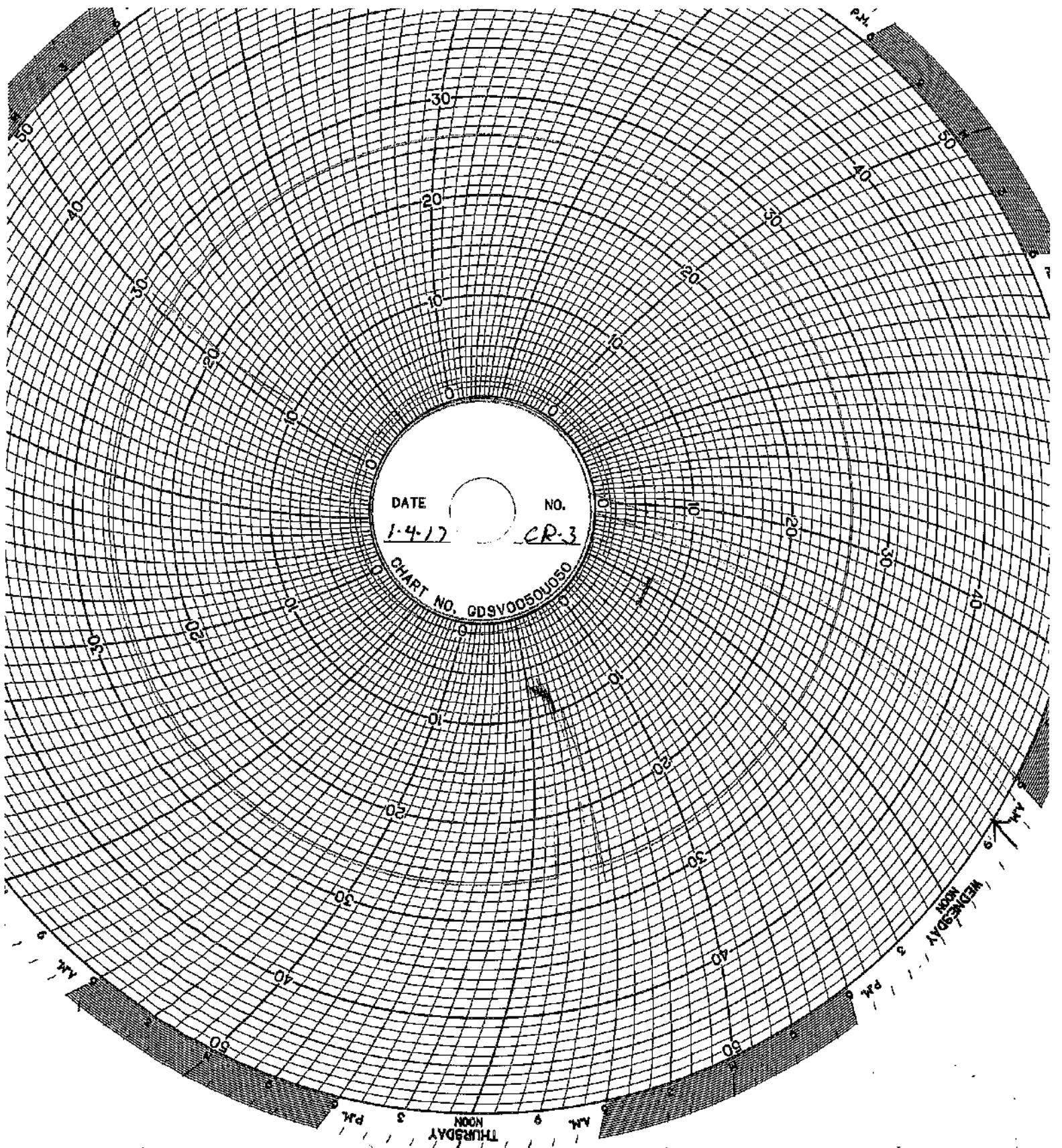
SATURDAY
3 AM

SUNDAY
NOON



1-11-17
DATE NO.
1-11-17 CR-2
CHART
CHART NO. GDSV00501050

THURSDAY
FRIDAY
AM
PM
NOON
MIDNIGHT

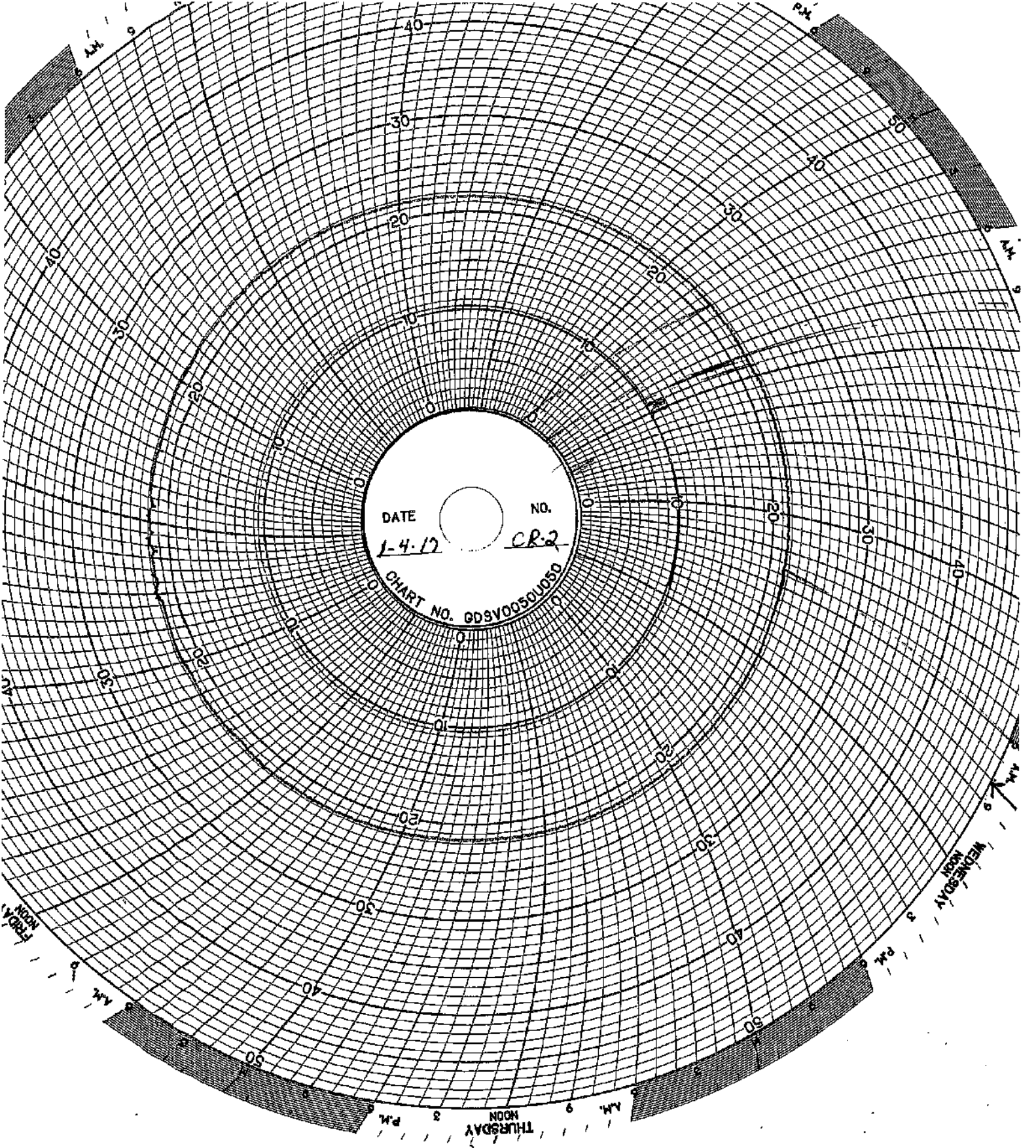


DATE 1-4-17 NO. CR-3

CHART NO. GDSV0050U050

THURSDAY 3 PM 9 AM

WEDNESDAY 3 PM 9 AM



DATE

NO.

1-4-17

CR-2

CHART NO. GDSV0050U050

FRIDAY
9 AM

THURSDAY
8 PM

WEDNESDAY
7 AM

TUESDAY
6 PM

MAINTENANCE LOG

UIC Monthly Maintenance Log

1/3/2017	Injection pump 1	Replaced the pump discharge hose
1/4/2017	Well 1	Replaced flange on inlet pipe
1/30/2017	Injection pump 1	Replaced the pump discharge hose

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

January 3, 2017

Fiberglass Coupon

The coupon is dark orange (rust) in color with similar semi-smooth textures on both sides. Its cut edges appear sanded. The coupon is free of pits, cracks, swelling, wicking and blemishes. There has been minimal affect to this coupon.

Hastelloy Coupon

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

Stainless Steel Coupon

The coupon had experienced substantial corrosion since last month. The coupon is seriously pitted and corroded. Continuous affect takes place with this coupon.

**CORROSION MONITORING PLAN
COUPON SUMMARY**

Date	Hastelloy (C267)	Stainless Steel (316L)	Fiberglass (Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 g	7.196 g	
7/11/2014	13.323 g	10.304 g	7.196 g	
8/12/2014	13.328 g	10.045 g	7.182 g	
9/17/2014	13.321 g	9.997 g	7.090 g	
10/30/2014	13.321 g	9.387 g	7.075 g	
11/21/2014	13.320 g	9.386 g	7.069 g	
12/19/2014	13.321 g	9.315 g	7.084 g	
1/12/2015	13.321 g	9.289 g	7.063 g	New hastelloy coupon
2/23/2015	13.339 g	9.286 g	7.005 g	
3/31/2015	13.339 g	9.286 g	7.005 g	
4/27/2015	13.335 g	9.130 g	6.852 g	
5/21/2015	13.336 g	9.124 g	6.809 g	
6/12/2015	13.334 g	9.126 g	6.819 g	
7/27/2015	13.337 g	9.127 g	6.818 g	
8/26/2015	13.337 g	9.022 g	6.780 g	
9/21/2015	13.336 g	8.987 g	6.792 g	
10/19/2015	13.335 g	8.985 g	6.797 g	
11/16/2015	13.334 g	8.982 g	6.788 g	
12/17/2015	13.334 g	8.933 g	6.791 g	
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	

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48226
PHONE (313) 855-3585
FAX (313) 856-1771

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:

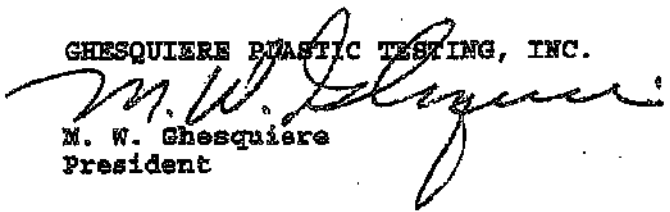
BARCOL HARDNESS

Hardness

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

Specimen is being returned with this report for further evaluation.

GHESQUIERE PLASTIC TESTING, INC.


M. W. Ghesquiere
President

MWG/kni

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TOTAL 1 PAGES

GHSQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48226
PHONE (313) 885-3636
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:

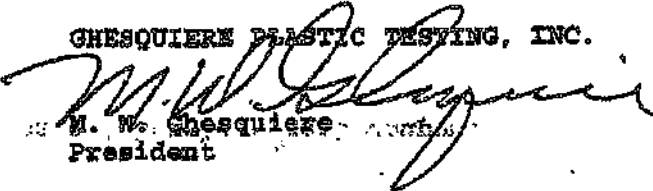
BARCOL HARDNESS

Hardness

Specimen 1: 90

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

GHSQUIERE PLASTIC TESTING, INC.


M. W. Chesquiere
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:

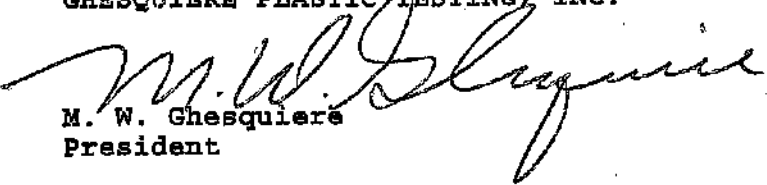
The following determination was made based upon the above test:

BARCOL HARDNESS

	<u>Hardness</u>
Specimen 1	85

Specimen was returned to the client June 16, 2014.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/dm



Testing. Development. Problem Solving.

October 2, 2014

TEST REPORT

PN 118325

PO Attn: John Frost

PLASTICS TESTING DEPARTMENT

Prepared For:

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

Prepared By:

[Signature]
Melissa Martin
Sr. Project Technician

Approved By:

[Signature]
Jim Drummond
Physical & Plastics Testing, Manager



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



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www.ardl.com

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



Testing. Development. Problem Solving.

October 2, 2014

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN118325

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

RECEIVED: One small section identified as; Fiberglass Coupon.

BARCOL HARDNESS ASTM D 2583-13a

Results

Barcol Hardness, Instant

97

Prepared By:


Melissa Martin
Sr. Project Technician

st

Approved By:


Scott W. Yates
Plastics Testing Assistant Manager

www.ardl.com

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



AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Progress Through Innovation, Technology and Customer Satisfaction

October 22, 2015

• TEST REPORT •

PN 125322

PO 00154

PLASTICS TESTING DEPARTMENT

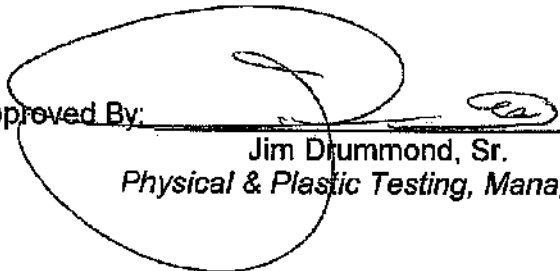
Prepared For:

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

Prepared By:


Melissa Martin
Sr. Project Technician

Approved By:


Jim Drummond, Sr.
Physical & Plastic Testing, Manager



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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AKRON RUBBER DEVELOPMENT LABORATORY, INC.

Progress Through Innovation, Technology and Customer Satisfaction

October 22, 2015

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 125322

SUBJECT: Barcol Hardness on one material.

RECEIVED: One small section identified as; Fiberglass Coupon.


BARCOL HARDNESS ASTM D 2583-13a
Instant Reading

Results

Barcol Hardness, Instant

96


Prepared By:



Melissa Martin
Sr. Project Technician

to

Approved By:



Scott W. Yates
Plastics Testing Assistant Manager

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 04/19/16

Approved By:

Jim Drummond
Physical Testing, Manager



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December 12, 2016

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN 132682

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:

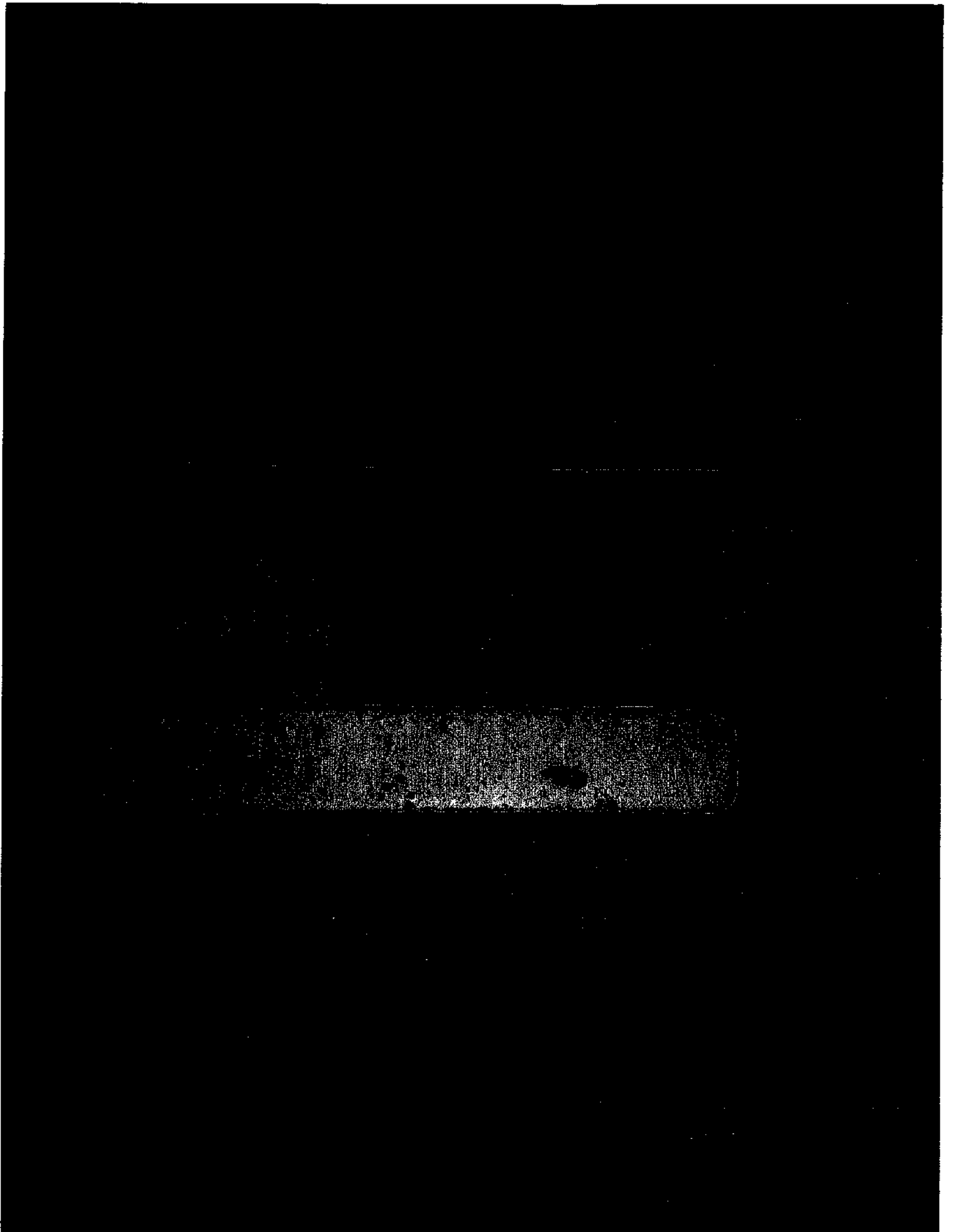

Melissa Martin
Senior Project Technician

Approved By:

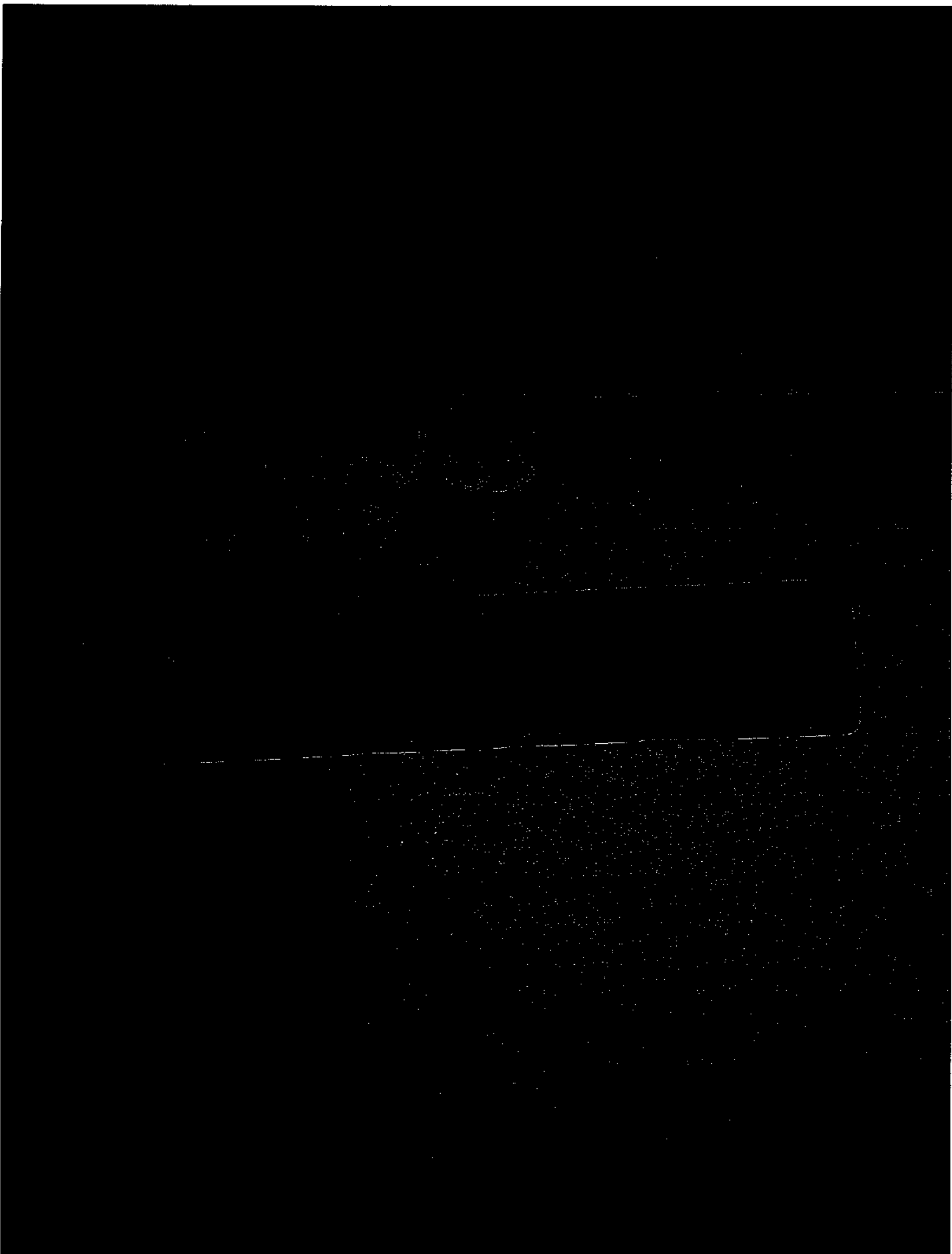

Scott Yates
Plastics Testing, Assistant Manager

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 ^o symbol to differentiate from ISO 17025 accredited methods in the body of the test report.







**INJECTION
FINGERPRINTS**

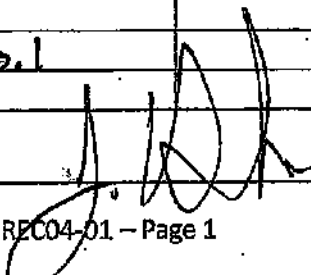
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	02-04-2017
Receiving ID#	I 0204170.1
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JJ J. J.
Sampled by	P.P.

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	1.31	TDS	7.52
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	149.9 mS		
% Solids	2.5		
Turbidity	<input type="radio"/> Yes <input type="radio"/> No		
Color (visual)			
TSS (%)	4.1		
Radiation Screen (as needed)			
Lab Signature			

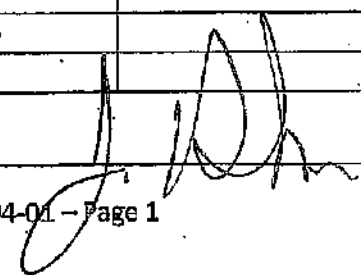
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-04-17	
Receiving ID#	Eolo41702	
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

Physical Properties		Chemical Properties	
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.)	0.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.17	TDS	13.7
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	274.3 mS		
% Solids	13.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

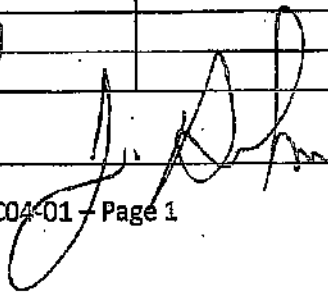
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	1-4-16	
Receiving ID#	Z01041703	
Manifest# Line:		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H	
Sampled by	D.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.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.12	TDS	12.3%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	67°F		
Conductivity	246.4 mS		
% Solids	12.3		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

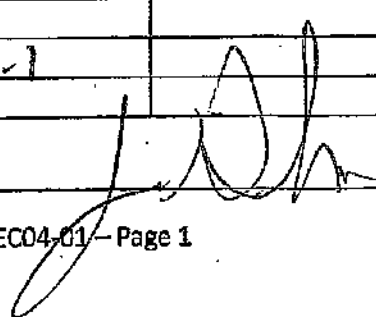
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-05-17	
Receiving ID#	E01051701	
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.)	0.4		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.12		TDS	12.32
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	67°F			
Conductivity	245.1 mS			
% Solids	12.3			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

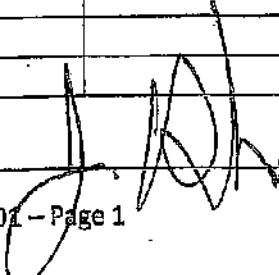
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-05-17	
Receiving ID#	T01051702	
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.)		Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	24.7
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	68°F		
Conductivity	> 400.0 ms		
% Solids	24.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	20.1		
Radiation Screen (as needed)			
Lab Signature			

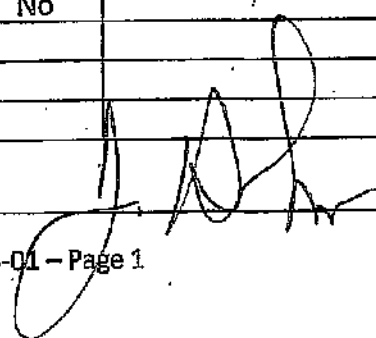
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/5/17
Receiving ID#	FD1051703
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	
Sampled by	SP

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.)	0.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	13.5
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	66°F		
Conductivity	270.0 mS		
% Solids	13.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

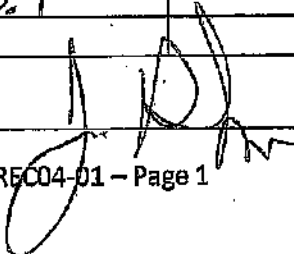
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-06-17	
Receiving ID#	E01061701	
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.)	< 0.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.21		TDS	13.37
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	66°F			
Conductivity	265.8 mS			
% Solids	13.3			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

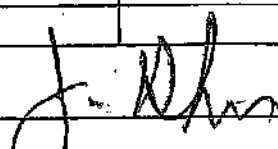
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	4/6/17
Receiving ID#	101061702
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.P.

COPY

TEST INFORMATION		FIELD TESTS	
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.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.15	TDS	25.8%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	61°F		
Conductivity	> 400.0 mS		
% Solids	25.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

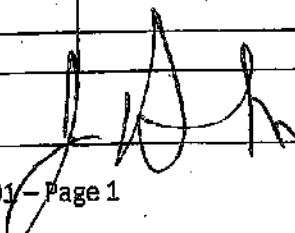
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	4/6/17	
Receiving ID#	101061703	
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	BF	

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	1.13		TDS	2.16%
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	59°F			
Conductivity	> 400.0 mS			
% Solids	2.16			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

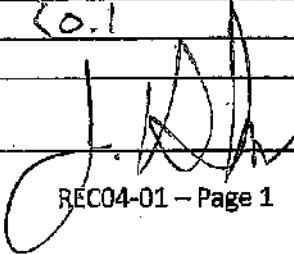
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-07-17
Receiving ID#	01071701
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.)	0.8	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	16.07
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	318.2 mS		
% Solids	16.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

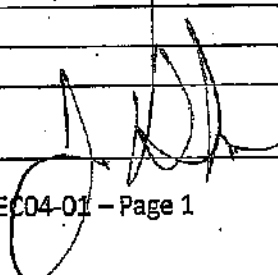
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	0107-17
Receiving ID#	101071702
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

ANALYSIS INFORMATION		CHEMICALS ANALYSIS	
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.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	5.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	66°F		
Conductivity	117.8mS		
% Solids	5.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

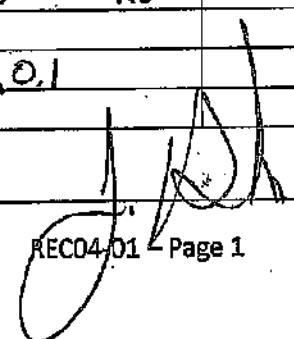
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	01-08-17
Receiving ID#	201081701
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

ANALYSIS INFORMATION		OW/EC/B/CC/SL	
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	1.13	TDS	4.47
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	64°F		
Conductivity	86.8 mS		
% Solids	4.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	50.1		
Radiation Screen (as needed)			
Lab Signature			

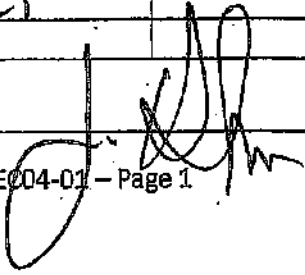
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11/01/17
Receiving ID#	ED1101701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	85

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.)	6.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.11	TDS	4.6%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	92.7 mS		
% Solids	4.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

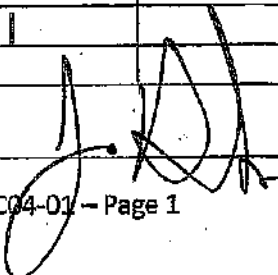
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	11/11/17
Receiving ID#	10141701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.F.
Sampled by	BT

COPY

Physical Description		Specific Gravity	
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.)	2.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	3.5%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	69.8 mS		
% Solids	3.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

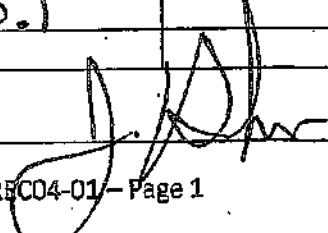
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/12/17	
Receiving ID#	T01121701	
Manifest# Line:		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
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.)	2.8		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.14		TDS	4.2%
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	70°F			
Conductivity	83.5 mS			
% Solids	4.2			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11/13/17
Receiving ID#	TC01131701
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

All Waste Characterization		Critical Properties	
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.)	1.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.1	TDS	5.77
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	66°F		
Conductivity	113.4 mS		
% Solids	5.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

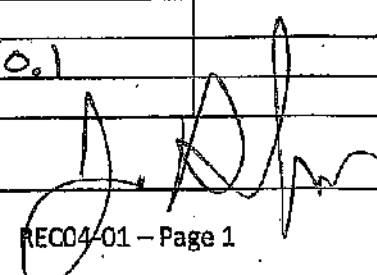
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	1/13/11
Receiving ID#	101131702
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	S.A.
Sampled by	A.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.)	1.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	6.0
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	62°F		
Conductivity	120.0 μS		
% Solids	6.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1-14-17
Receiving ID#	EGT141701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.A.
Sampled by	[Signature]

COPY

Parameter	Yes	No	Parameter	Value
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)			Magnesium	
pH (S.U.)			Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity			TDS	5.7
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature				63°F
Conductivity				113.4 µmS
% Solids				5.7
Turbidity	Yes	No		
Color (visual)				
TSS (%)				< 0.1
Radiation Screen (as needed)				
Lab Signature	[Signature]			

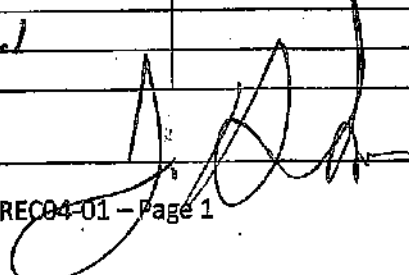
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-17-17	
Receiving ID#	E01171701	
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 <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.)	1.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	8.07
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	62°F		
Conductivity	160.2 mS		
% Solids	3.0		
Turbidity	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

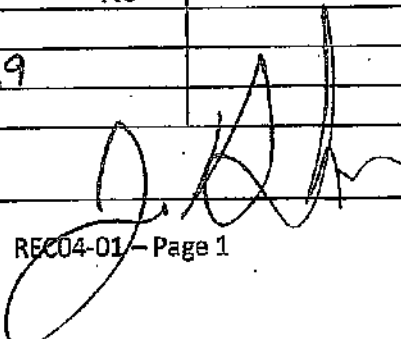
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-17-17
Receiving ID#	E-01171702
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)	> 140	Magnesium	
pH (S.U.)	1.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	3.92
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	57°F		
Conductivity	78.1 mS		
% Solids	3.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	3.9		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11/7/17
Receiving ID#	101171703
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.T.
Sampled by	[Signature]

COPY

SAMPLING INFORMATION		TEST RESULTS	
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.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	14.5%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	52°F		
Conductivity	289.5 mS		
% Solids	14.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	4.0		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

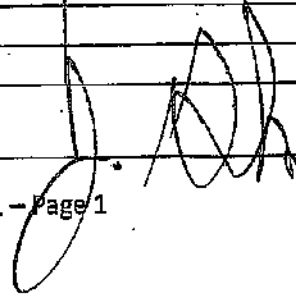
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-18-17
Receiving ID#	E01181701
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

Initial Time In		Initial Time Out	
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.)	1.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	14.67
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	61°F		
Conductivity	292.0 mS		
% Solids	14.6		
Turbidity	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

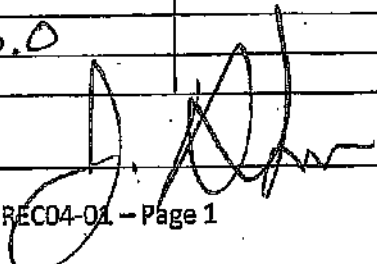
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	4/18/17
Receiving ID#	T 01181702
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JTB
Sampled by	BT

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.)	0.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	28.67
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	56°F		
Conductivity	> 400.0ms		
% Solids	28.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	6.0		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1-19-17	
Receiving ID#	101191701	
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#)	<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.)	3.0		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.07		TDS	3.07
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	60.4 mS			
% Solids	3.0			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature	[Signature]			

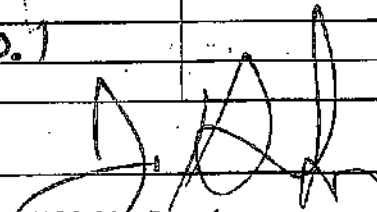
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/19/17
Receiving ID#	501191702
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	S.T.
Sampled by	S.T.

COPY

Physical Description		Organic Analysis	
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.)	2.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	2.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	58.0ns		
% Solids	2.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			

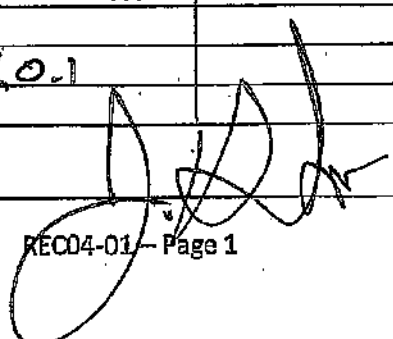
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/20/17
Receiving ID#	161201701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	S.H.
Sampled by	J.T.

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.)	9.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	1.69
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	54°F		
Conductivity	32.7mS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

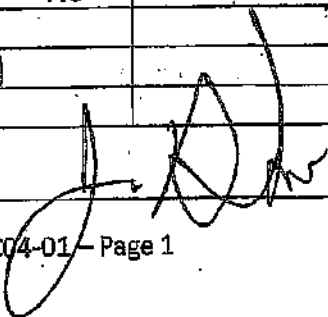
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	4/26/17
Receiving ID#	ED1201702
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	SP

COPY

WASTE CHARACTERIZATION		ANALYSIS	
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.)	7.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	2.0
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	52°F		
Conductivity	40.8 μ S		
% Solids	2.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

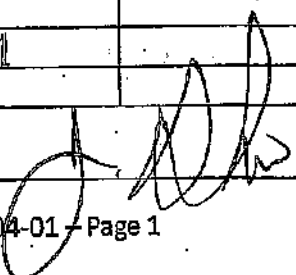
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-23-17
Receiving ID#	10231701
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	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	9.6	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	63°F		
Conductivity	21.2 us		
% Solids	1.1		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

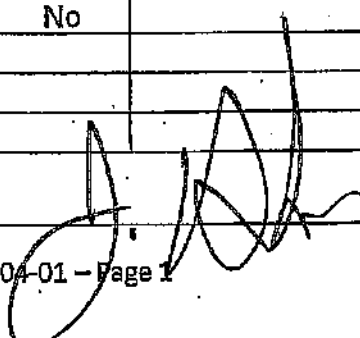
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1.23.17
Receiving ID#	IO1231702
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.)	3.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	4.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	64°F		
Conductivity	94.7ms		
% Solids	4.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-23-17	
Receiving ID#	I61231703	
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.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.14	TDS	17.0 ?
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	58°F		
Conductivity	339.9 mS		
% Solids	17.0		
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	1/23/17
Receiving ID#	101231704
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#)	<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)	> 148	Magnesium	
pH (S.U.)	7.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	172
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	64°F		
Conductivity	34.0 mS		
% Solids	1.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	50.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

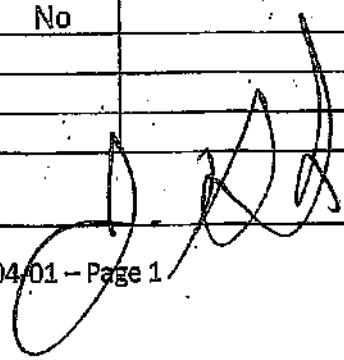
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-24-17
Receiving ID#	E01241701
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.)	10.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	122
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	65°F		
Conductivity	34.5 mS		
% Solids	1.2		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

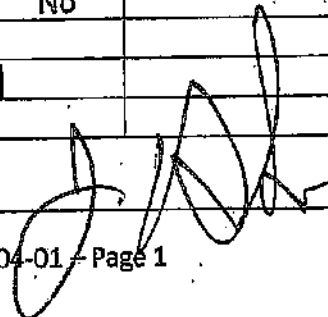
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1-24-17	1-24-17
Receiving ID#	001241702	
Manifest#	Line:	
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	S.H.	
Sampled by	C.H. 7.	

COPY

PROPERTY	TEST RESULT	UNIT	TEST METHOD
Compatible? (RT#)	<input checked="" type="radio"/> Yes	No	Barium
PGBs (ppm)(Oily Waste Only)?			Calcium
TOC (ppm)(CC Waste Only)?			Total Iron
Flash Point (°F)	>140		Magnesium
pH (S.U.)	9.5		Sodium Chloride
Cyanides? (mg/L)			Bicarbonate
Sulfides? (ppm)			Carbonate
Specific Gravity	1.02		TDS
Physical Description			Resistivity
Stream Consistency	Yes	No	Sulfate
Oil in Sample	Yes	No	
Temperature	54°F		
Conductivity	4.1 mS		
% Solids	0.2		
Turbidity	Yes	No	
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

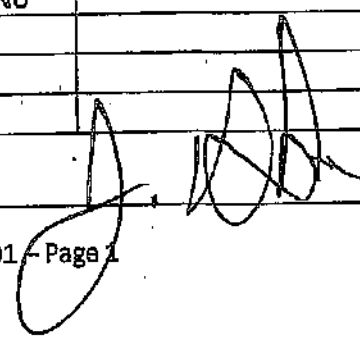
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/24/17
Receiving ID#	101241703
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	P.P.

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.)	7.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.72
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	64°F		
Conductivity	33.405		
% Solids	1.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.2		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/25/17
Receiving ID#	101251701
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	

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.)	1.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	17.0%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	64°F		
Conductivity	139.2 mS		
% Solids	17.0%		
Turbidity	Yes No		
Color (visual)			
TSS (%)	10.0		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/25/17
Receiving ID#	E01251702
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

ANALYSIS INFORMATION		FIELD TESTS ONLY	
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.)	0.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	21.8%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	63°F		
Conductivity	> 400.0 ms		
% Solids	21.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.2		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

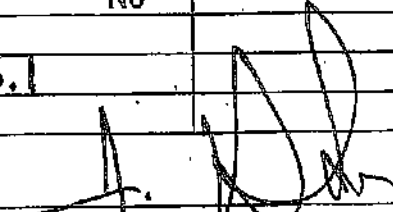
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-26-17
Receiving ID#	E01261701
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.)	1.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	6.52
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	63°F		
Conductivity	128.7 mS		
% Solids	6.5		
Turbidity	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			

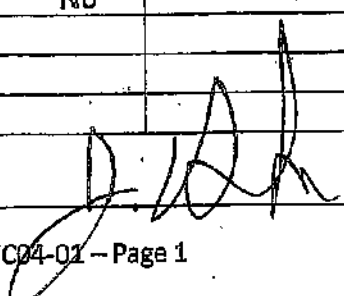
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	112617
Receiving ID#	TD1261702
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	RP

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.)	10.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.6%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	54°F		
Conductivity	317mS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.2		
Radiation Screen (as needed)			
Lab Signature			

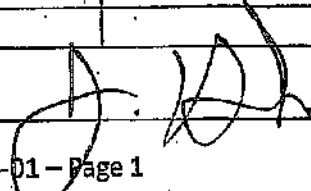
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/26/17
Receiving ID#	IO1261703
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	G.H.
Sampled by	BD

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.)	10.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	8.07
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	62°F		
Conductivity	15.6 mS		
% Solids	8.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.2		
Radiation Screen (as needed)			
Lab Signature			

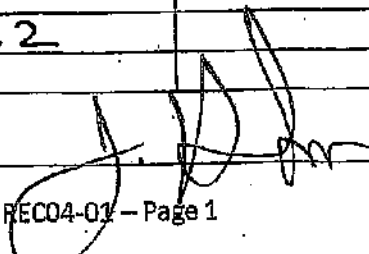
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-27-17	
Receiving ID#	E01271701	
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="radio"/> Yes	<input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(GC Waste Only)?			Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	10.2		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.04		TDS	9.0
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	57°F			
Conductivity	18.0 ms			
% Solids	9.0			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	0.2			
Radiation Screen (as needed)				
Lab Signature				

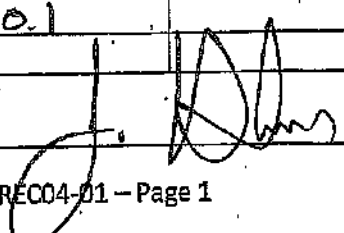
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	11/30/17
Receiving ID#	101301703
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.)	7.8	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.67
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	62°F		
Conductivity	32.4 mS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

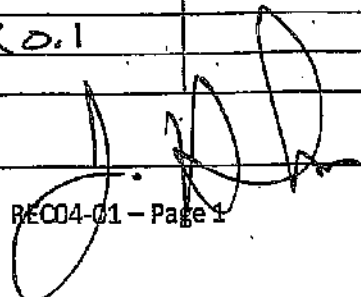
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	1/30/17
Receiving ID#	101301702
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	JH
Sampled by	SP

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.)	7.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.03	TDS	1.67
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	61°F		
Conductivity	32.4 mS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

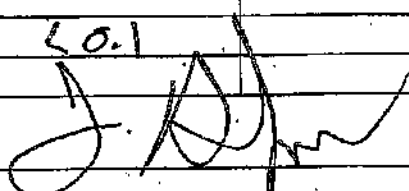
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	01-30-17
Receiving ID#	401301701
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.)	6.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.04	TDS	1.77
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	61°F		
Conductivity	32.8 mS		
% Solids	1.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			

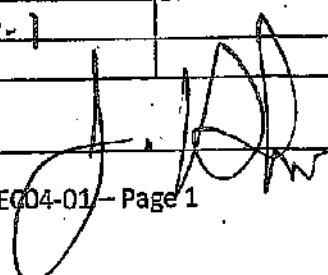
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1-31-17	
Receiving ID#	101311701	
Manifest# Line:		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	JH	
Sampled by	JH	

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.)	9.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.03		TDS	1.62
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	59°F			
Conductivity	31.3 mS			
% Solids	1.6			
Turbidity	<input type="radio"/> Yes	<input type="radio"/> No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

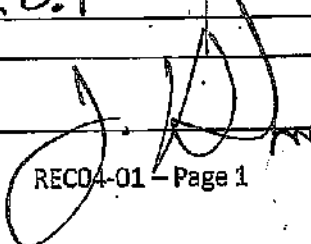
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1-31-2017	1-31-2017
Receiving ID#	I01311702	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	S.H.	
Sampled by	C/H	

COPY

Compatible? (RT#)	<input checked="" type="radio"/> Yes	<input type="radio"/> No	Barium	
PCEs (ppm)(Oily Waste Only)?			Calcium	
TOC (ppm)(CC 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	1.04		TDS	1.8%
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	63°F			
Conductivity	36.5 mS			
% Solids	1.8			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

**WASTE STREAMS
CHARACTERIZATIONS**

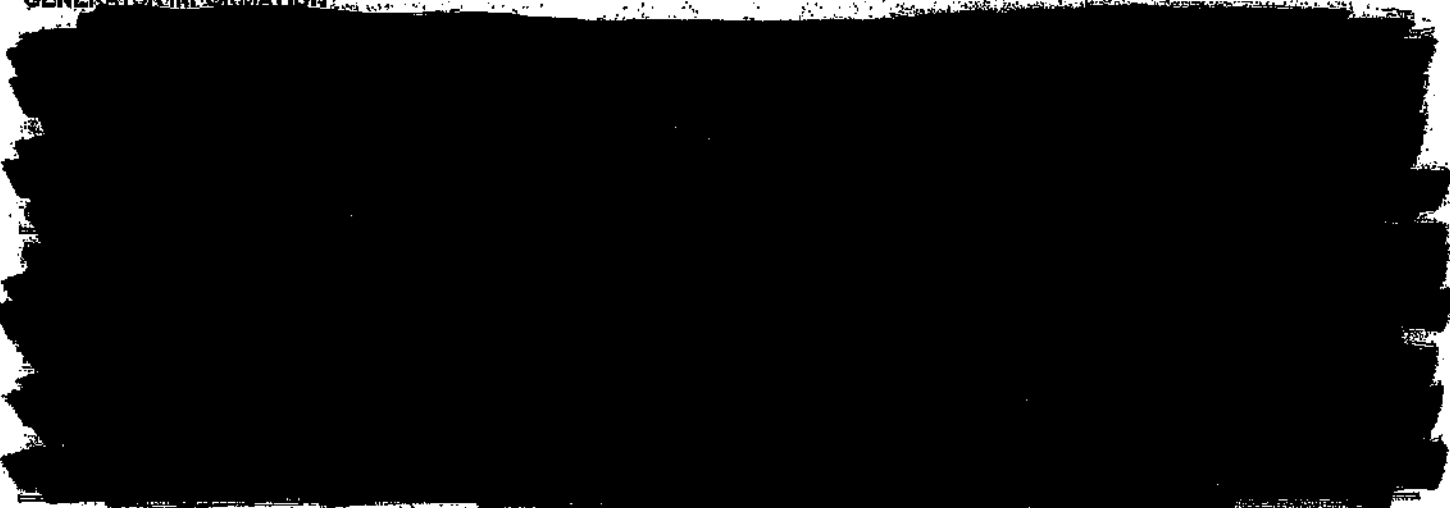
ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # 01074

GENERATOR INFORMATION



WASTE INFORMATION

Name of Waste/Common Chemical Name:

Nickel Nitrate

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

From stripping, reworking and parts

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: D002 D004 D007 D008

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <u>Black/Grey</u>	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> < 0.8 <input type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input checked="" type="checkbox"/> 1.3 - 1.4 Exact / Other _____	acceptable 01.04.17
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pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
Nitric acid	40	30	LEAD	3	1
Water	50	40	Iron	1	0
Nickel	3	4	Cadmium	1	0
Chromium	1	0	SILVER	1	0
Zinc	1	0			

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

Lab Analysis Generator Knowledge TCLP TOTAL

	Not Present	Concentration		Not Present	Concentration					
PCB	<input type="checkbox"/>	ppm	Aromatic Amine	<input type="checkbox"/>	ppm	Arsenic (As)	D004	<input type="checkbox"/>	< 5 ppm	ppm
Dioxins	<input type="checkbox"/>	ppm	Pesticides	<input type="checkbox"/>	ppm	Barium (Ba)	D005	<input type="checkbox"/>	< 100 ppm	ppm
Cyanides Reactive	<input type="checkbox"/>	ppm	Rodenticides	<input type="checkbox"/>	ppm	Cadmium (Cd)	D006	<input type="checkbox"/>	< 1 ppm	ppm
Cyanides Total	<input type="checkbox"/>	ppm	Fungicides	<input type="checkbox"/>	ppm	Chromium (Cr)	D007	<input type="checkbox"/>	< 5 ppm	ppm
Quinides Reactive	<input type="checkbox"/>	ppm				Lead (Pb)	D008	<input type="checkbox"/>	< 5 ppm	ppm
Sulfides Total	<input type="checkbox"/>	ppm				Mercury (Hg)	D009	<input type="checkbox"/>	< 0.2 ppm	ppm
						Selenium (Se)	D010	<input type="checkbox"/>	< 1 ppm	ppm
						Silver (Ag)	D011	<input type="checkbox"/>	< 5 ppm	ppm

SEE ANALYSIS (KNN)

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 Corrosive liquid acidic, inorganic, n.o.s. Hazard Class 8 UNNA 32104
- PG II ERG 15.4 Hazardous Constituents for "n.o.s." Nitric acid
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: 1 6. Anticipated Volume / Units per Year: 120,000 gal. 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 contact any inconsistencies. Any corrections Environmental Geo-Technologies makes will be consistent with the results of the sample checked.

Printed Name: _____
Generator's Signature: _____

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: Please collect a representative 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.

1. SAMPLING METHOD _____ 2. COLLECTION POINT _____

3. SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER _____

4. Sample No. _____ Preservation: Yes No

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

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



Maxam Job #: AS14655
Report Date: 2009/05/01



ELEMENTS BY ATOMIC SPECTROSCOPY (LIQUID)

Sample ID		AS14655		AS14655		AS14655		
Sampling Date	Unit	NETWORK	DL	NETWORK	DL	NETWORK	DL	QA Batch
		PCC		CHROME		137H		
METALS								
Total Aluminum (Al)	mg/L	12650	2	81.1	4	1300	4	472716
Total Antimony (Sb)	mg/L	ND	5	1570	100	ND	10	472716
Total Arsenic (As)	mg/L	8	2	228	8	49.7	4	472716
Total Barium (Ba)	mg/L	4.62	0.05	15.4	0.1	0.8	0.1	472716
Total Beryllium (Be)	mg/L	ND	0.5	0.5	0.1	ND	10	472716
Total Bismuth (Bi)	mg/L	3.3	1.2	188	2.3	38.8	2.3	472716
Total Boron (B)	mg/L	44.7	0.25	310	0.5	0.7	0.5	472716
Total Cadmium (Cd)	mg/L	ND	0.15	ND	3	ND	0.3	472716
Total Calcium (Ca)	mg/L	381	2	388	4	75.1	4	472716
Total Chromium (Cr)	mg/L	35.9	0.25	106000	50	11.8	0.5	472716
Total Cobalt (Co)	mg/L	5.84	0.25	22.4	0.5	58.8	0.5	472716
Total Copper (Cu)	mg/L	3.6	0.2	707	0.4	28708	40	472716
Total Iron (Fe)	mg/L	1360	0.3	805	0.8	717	0.6	472716
Total Lead (Pb)	mg/L	674	1.3	7.7	2.5	25.5	2.5	472716
Total Lithium (Li)	mg/L	ND	1	ND	200	ND	20	472716
Total Magnesium (Mg)	mg/L	189	0.15	87.3	0.3	27.8	0.3	472716
Total Manganese (Mn)	mg/L	8.5	0.1	4.1	0.2	23	0.2	472716
Total Molybdenum (Mo)	mg/L	13.4	0.3	7.8	0.8	ND	5	472716
Total Nickel (Ni)	mg/L	21800	50	3430	10	68800	100	472716
Total Phosphorus Total (P)	mg/L	1250	2	ND	40	ND	400	472716
Total Potassium (K)	mg/L	3300	50	ND	10000	482	100	472716
Total Selenium (Se)	mg/L	ND	1.7	ND	3.3	ND	3.5	472716
Total Silicon (Si)	mg/L	572	10	ND	2000	ND	200	472716
Total Silver (Ag)	mg/L	4.34	0.35	1.8	0.7	ND	0.7	472716
Total Sodium (Na)	mg/L	85760	45	418	8	2128	8	472716
Total Strontium (Sr)	mg/L	5.74	0.15	91.6	0.3	2.3	0.3	472716
Total Sulfur (S)	mg/L	16300	2.2	1570	0.5	2860	4.5	472716
Total Thallium (Tl)	mg/L	ND	250	58.3	5	ND	500	472716
Total Tin (Sn)	mg/L	1.6	0.5	ND	180	0.5	1.8	472716
Total Titanium (Ti)	mg/L	2.56	0.15	44.8	0.3	1.3	0.3	472716
Total Tungsten (W)	mg/L	ND	150	ND	300	ND	300	472716
Total Vanadium (V)	mg/L	0.87	0.15	ND	50	ND	0.3	472716
Total Zinc (Zn)	mg/L	335	0.15	87.5	0.3	436	0.3	472716

ND = Not detected
Please check for attached comments

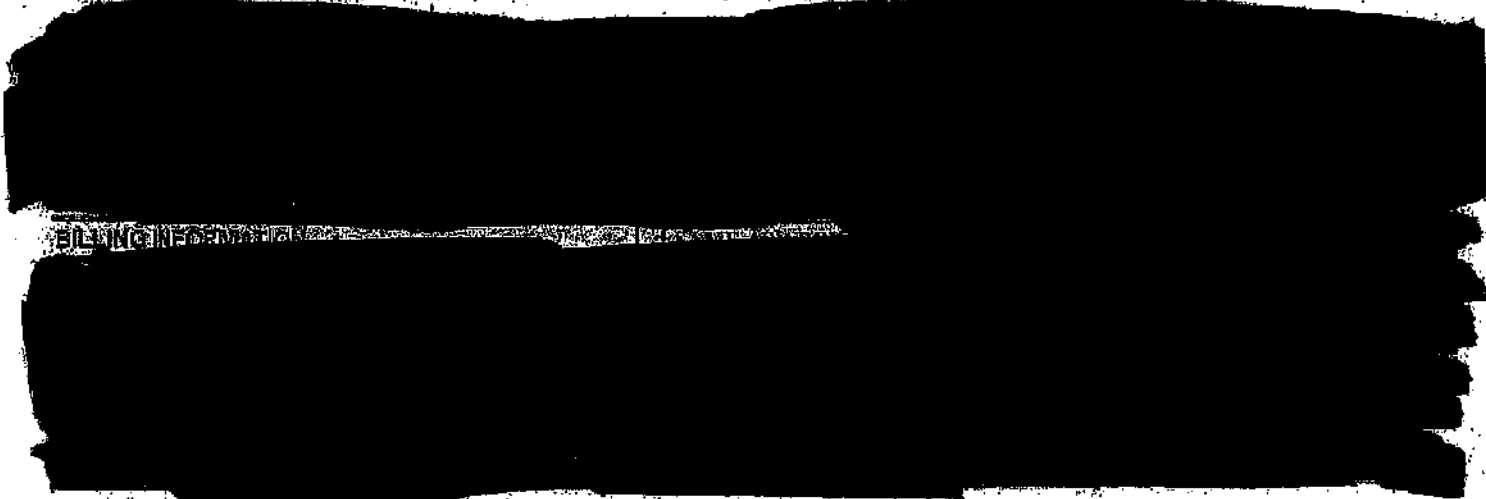
ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **01075**

GENERATOR INFORMATION



WASTE INFORMATION

Name of Waste/Common Chemical Name:

Etch / Desmut Solution

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

Etching parts prior to electroplating processes.

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: Diox, D007

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <u>Blue</u>	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> < 0.8 <input type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4 Exact / Other <u>1.5</u>	<u>acceptable</u> <u>01.04.17</u>
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pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5

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

VOC CONCENTRATION - NA → 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>Nitric Acid</u>	<u>40</u>	<u>30</u>			
<u>Phosphoric Acid</u>	<u>10</u>	<u>5</u>			
<u>Ammonium bifluoride</u>	<u>5</u>	<u>1</u>			
<u>water</u>	<u>74</u>	<u>48</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
PCE	<input type="checkbox"/>	ppm	Aromatic Amine	<input type="checkbox"/>	ppm
Dioxine	<input type="checkbox"/>	ppm	Pesticides	<input type="checkbox"/>	ppm
Cyanides Reactive	<input type="checkbox"/>	ppm	Rodenticides	<input type="checkbox"/>	ppm
Cyanides Total	<input type="checkbox"/>	ppm	Fungicides	<input type="checkbox"/>	ppm
Sulfides Reactive	<input type="checkbox"/>	ppm			
Sulfides Total	<input type="checkbox"/>	ppm			

Arsenic (As)	D004	<input type="checkbox"/>	<	5	ppm	ppm
Barium (Ba)	D005	<input type="checkbox"/>	<	100	ppm	ppm
Cadmium (Cd)	D006	<input type="checkbox"/>	<	1	ppm	ppm
Chromium (Cr)	D007	<input type="checkbox"/>	<	5	ppm	ppm
Lead (Pb)	D008	<input type="checkbox"/>	<	5	ppm	ppm
Mercury (Hg)	D009	<input type="checkbox"/>	<	0.2	ppm	ppm
Selenium (Se)	D010	<input type="checkbox"/>	<	1	ppm	ppm
Silver (Ag)	D011	<input type="checkbox"/>	<	5	ppm	ppm

SEE ANALYSIS (TRIACID)

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 UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s. Hazard Class 8 UNNA 3264
PG II ERG 154 Hazardous Constituents for "n.o.s." (nitric acid) (phosphoric acid)
4. Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
5. Number of Units to Ship Now: 1
6. Anticipated Volume / Units per Year: 100,000 gal. or One Time
- Special Handling Requirements including PPE: _____

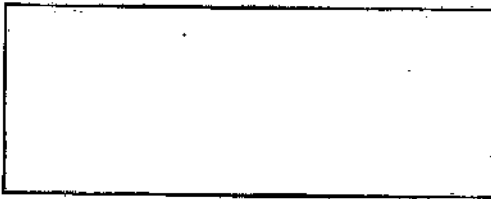
CERTIFICATION STATEMENT

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.

Printed Name: _____
Generator's Signature: _____

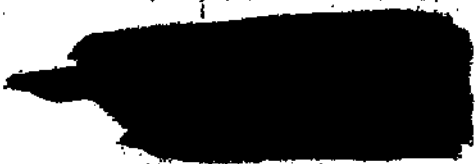
GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATOR'S WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 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.

1. SAMPLING METHOD
2. COLLECTION POINT
3. SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER
4. Sample No. _____ Preservation: Yes No



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

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



ELEMENTS BY ATOMIC SPECTROSCOPY (LIQUID)

Maxxam ID		839271		
Sampling Date				
	Units	TRIACID	DL	QA Batch
METALS				
Total Aluminum (Al)	mg/L	300	0.4	537338
Total Antimony (Sb)	mg/L	ND	1	537338
Total Arsenic (As)	mg/L	ND	0.4	537338
Total Barium (Ba)	mg/L	0.03	0.01	537338
Total Beryllium (Be)	mg/L	0.02	0.01	537338
Total Bismuth (Bi)	mg/L	0.40	0.23	537338
Total Boron (B)	mg/L	47.3	0.05	537338
Total Cadmium (Cd)	mg/L	ND	0.03	537338
Total Calcium (Ca)	mg/L	9.9	0.4	537338
Total Chromium (Cr)	mg/L	46.0	0.05	537338
Total Cobalt (Co)	mg/L	0.14	0.05	537338
Total Copper (Cu)	mg/L	95.0	0.04	537338
Total Iron (Fe)	mg/L	75.1	0.05	537338
Total Lead (Pb)	mg/L	2.12	0.25	537338
Total Lithium (Li)	mg/L	ND	0.2	537338
Total Magnesium (Mg)	mg/L	0.44	0.03	537338
Total Manganese (Mn)	mg/L	0.31	0.02	537338
Total Molybdenum (Mo)	mg/L	0.31	0.08	537338
Total Nickel (Ni)	mg/L	129	0.1	537338
Total Phosphorus Total (P)	mg/L	16700	0.4	537338
Total Potassium (K)	mg/L	ND	10	537338
Total Selenium (Se)	mg/L	ND	0.33	537338
Total Silicon (Si)	mg/L	759	2	537338
Total Silver (Ag)	mg/L	ND	0.07	537338
Total Sodium (Na)	mg/L	24.5	0.9	537338
Total Strontium (Sr)	mg/L	0.76	0.03	537338
Total Sulfur (S)	mg/L	22600	0.055	537338
Total Thallium (Tl)	mg/L	ND	0.5	537338
Total Tin (Sn)	mg/L	1.01	0.18	537338
Total Titanium (Ti)	mg/L	48.1	0.03	537338
Total Tungsten (W)	mg/L	ND	0.3	537338
Total Vanadium (V)	mg/L	0.78	0.03	537338
Total Zinc (Zn)	mg/L	424	0.03	537338
ND = Not detected Please check for attached comments				



ELEMENTS BY ATOMIC SPECTROSCOPY (LIQUID)

Maxxam ID		839271		
Sampling Date				
	Units		PL	QA Batch

METALS				
Total Aluminum (Al)	mg/L	300	0.4	537338
Total Antimony (Sb)	mg/L	ND	1	537338
Total Arsenic (As)	mg/L	ND	0.4	537338
Total Barium (Ba)	mg/L	0.03	0.01	537338
Total Beryllium (Be)	mg/L	0.02	0.01	537338
Total Bismuth (Bi)	mg/L	0.40	0.23	537338
Total Boron (B)	mg/L	47.3	0.05	537338
Total Cadmium (Cd)	mg/L	ND	0.03	537338
Total Calcium (Ca)	mg/L	9.8	0.4	537338
Total Chromium (Cr)	mg/L		0.06	537338
Total Cobalt (Co)	mg/L	0.14	0.06	537338
Total Copper (Cu)	mg/L	95.0	0.04	537338
Total Iron (Fe)	mg/L	75.1	0.06	537338
Total Lead (Pb)	mg/L	2.12	0.25	537338
Total Lithium (Li)	mg/L	ND	0.2	537338
Total Magnesium (Mg)	mg/L	0.44	0.03	537338
Total Manganese (Mn)	mg/L	0.81	0.02	537338
Total Molybdenum (Mo)	mg/L	0.31	0.06	537338
Total Nickel (Ni)	mg/L	128	0.1	537338
Total Phosphorus Total (P)	mg/L	16700	0.4	537338
Total Potassium (K)	mg/L	ND	10	537338
Total Selenium (Se)	mg/L	ND	0.33	537338
Total Silicon (Si)	mg/L	789	2	537338
Total Silver (Ag)	mg/L	ND	0.07	537338
Total Sodium (Na)	mg/L	24.3	0.9	537338
Total Strontium (Sr)	mg/L	0.76	0.08	537338
Total Sulfur (S)	mg/L	22600	0.065	537338
Total Thallium (Tl)	mg/L	ND	0.5	537338
Total Tin (Sn)	mg/L	1.01	0.18	537338
Total Titanium (Ti)	mg/L	48.1	0.03	537338
Total Tungsten (W)	mg/L	ND	0.3	537338
Total Vanadium (V)	mg/L	0.78	0.06	537338
Total Zinc (Zn)	mg/L	424	0.03	537338

ND = Not detected
 Please check for attached comments

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **01079**

GENERATOR INFORMATION



BILLING INFORMATION

SAME AS ABOVE



WASTE INFORMATION

Name of Waste/Common Chemical Name:

Hydrofluoric Acid Solution

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

By-product from chlorination of organic chemicals

USEPA / STATE WASTE IDENTIFICATION

- This waste is considered to be: Non Hazardous Liquid Industrial Waste Hazardous Waste
- Regulated by TSCA? Yes No (PCBs, etc.)
- List ALL Applicable Waste Codes: D002 D007 D022

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <u>slight yellow</u>	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4 Exact / Other _____	<i>acceptable</i> <i>MD</i> <i>01/12/17</i>
---	---	---	---	---

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 - NONE PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
Water	80	80	Sodium	14 PPM	0 %
Hydrochloric Acid	35	20	Chromium	12.8 PPM	0 %
Hydrofluoric Acid	2	0	Chloroform	5.64 PPM	0 %
Aluminum	1.8 PPM	0			
Barium	1.4 PPM	0			

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

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

	Not Present	Concentration	Not Present	Concentration					
PCB	<input checked="" type="checkbox"/>	_____ ppm	Aromatic Amine	<input checked="" type="checkbox"/>	_____ ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/> < 5 ppm	_____ ppm
Dioxine	<input checked="" type="checkbox"/>	_____ ppm	Pesticides	<input checked="" type="checkbox"/>	_____ ppm	Barium (Ba)	D005	<input checked="" type="checkbox"/> < 100 ppm	_____ ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	_____ ppm	Rodenticides	<input checked="" type="checkbox"/>	_____ ppm	Cadmium (Cd)	D006	<input checked="" type="checkbox"/> < 1 ppm	_____ ppm
Cyanides Total	<input checked="" type="checkbox"/>	_____ ppm	Fungicides	<input checked="" type="checkbox"/>	_____ ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/> < 6 ppm	0-12.5 ppm
Sulfides Reactive	<input checked="" type="checkbox"/>	_____ ppm				Lead (Pb)	D008	<input checked="" type="checkbox"/> < 5 ppm	_____ ppm
Sulfides Total	<input checked="" type="checkbox"/>	_____ ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/> < 0.2 ppm	_____ ppm
						Selenium (Se)	D010	<input checked="" type="checkbox"/> < 1 ppm	_____ ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/> < 5 ppm	_____ ppm

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

D022 - 0-0.04 PPM

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 100
- DOT Shipping Name RD UN3294, WASTE Corrosive Liquid, acidic, Inorganic, n.o.s. Hydrochloric acid, Hydrofluoric Acid, 8, P08 Hazard Class 8 UN/NA 3294
- PG II ERG 154 Hazardous Constituents for "n.o.s." Hydrochloric acid, Ammonium hydrogensulfide
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: 1 6. Anticipated Volume / Units per Year: 20-30 or One Time
- Special Handling Requirements including PPE: One Attached SDS

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 GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. _____ 2. _____

SAMPLING METHOD COLLECTION POINT

3. _____

SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. _____ Preservation: Yes No

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

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

Summary of Hits

Job Number:

Account:

Project:

Collected: 08/27/16 thru 09/29/16

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		1.4	1.0		mg/l	SW846 6010C
Chromium		12.8	0.10		mg/l	SW846 6010C
Carbon tetrachloride		168	100	54	mg/l	SW846 8260C
Chlorobenzene		18.0	100	17	mg/l	SW846 8260C
Chloroethane		18600	100	44	mg/l	SW846 8260C
Chloroform		177	100	23	mg/l	SW846 8260C
Chloromethane		20700	2000	1900	mg/l	SW846 8260C
Methylene chloride		13500	4000	2000	mg/l	SW846 8260C
Chloride		928000	4000		mg/l	EPA 300/SW846 9056A

Report of Analysis

Client Sample ID: XXXXXXXXXX Lab Sample ID: XXXXXXXXXX Matrix: <u>Liq - Liquid, Non-aqueous</u> Project:	Date Sampled: 09/27/16 Date Received: 09/27/16 Percent Solids: n/a
---	--

Metals Analysis, TCLP Leachate SW846-1911

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	<0.50	D004	5.0	0.50	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³
Barium	1.4	D005	100	1.0	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³
Cadmium	<0.050	D006	1.0	0.050	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³
Chromium	0.007	D007	5.0	0.10	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³
Lead	<0.50	D008	5.0	0.50	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³
Mercury ^a	<0.0060	D009	0.20	0.0060	mg/l	1	09/30/16	09/30/16	MS	SW846 7470A ¹ SW846 7470A ²
Selenium	<1.0	D010	1.0	1.0	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³
Silver	<0.10	D011	5.0	0.10	mg/l	1	09/29/16	10/01/16	AB	SW846 8010C ² SW846 8010A ³

- (1) Instrument QC Batch: MA40417
- (2) Instrument QC Batch: MA40421
- (3) Prep QC Batch: MP98291
- (4) Prep QC Batch: MP98298

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit
 MCL = Maximum Contamination Level (40 CFR 261.6/96)

Report of Analysis

Matrix:	LIQ - Liquid, Non-aqueous	Date Sampled:	09/29/16
Method:	SW846 8260C	Date Received:	09/29/16
Project:		Percent Solids:	n/a

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U209055.D	100	10/05/16	GA	n/a	n/a	VU9585
Run #2	U209087.D	2000	10/06/16	GA	n/a	n/a	VU9586

Run #1	Run #2	Inject Volume
Run #1	Run #2	5.0 ml
Run #1	Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-54-1	Acetone	ND	1000	500	ug/l	
71-43-2	Benzene	ND	50	14	ug/l	
75-27-4	Bromodichloromethane	ND	100	55	ug/l	
75-26-2	Bromoform	ND	100	34	ug/l	
74-83-0	Bromomethane	ND	200	40	ug/l	
78-83-3	2-Butanone (MEK)	ND	1000	100	ug/l	
75-15-0	Carbon disulfide	ND	200	33	ug/l	
56-23-5	Carbon tetrachloride	10E	100	34	ug/l	
106-90-7	Chlorobenzene	23.0	100	17	ug/l	J
75-00-3	Chloroethane	18600	100	44	ug/l	
67-59-3	Chloroform	100	100	23	ug/l	
74-87-8	Chloromethane	201000	2000	1000	ug/l	
124-48-1	Dibromodichloromethane	ND	100	23	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	21	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	69	ug/l	
75-35-4	1,1-Dichlorobenzene	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	61	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	66	ug/l	
620-59-0	1,2-Dichlorobenzene (total)	ND	100	31	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	19	ug/l	
10061-02-8	trans-1,3-Dichloropropene	ND	100	26	ug/l	
100-41-4	Ethylbenzene	ND	100	29	ug/l	
591-78-8	2-Hexanone	ND	500	150	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	500	120	ug/l	
75-09-2	Methylene chloride	43500	4000	2000	ug/l	
100-42-5	Styrene	ND	100	27	ug/l	
79-34-5	1,1,1,2-Tetrachloroethane	ND	100	30	ug/l	
127-18-4	Tetrachloroethene	ND	100	23	ug/l	
108-88-3	Toluene	ND	100	23	ug/l	
75-35-8	1,1,1-Trichloroethane	ND	100	22	ug/l	
79-00-1	1,1,2-Trichloroethane	ND	100	28	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit E = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Lab Sample ID: [REDACTED]	Date Sampled: 09/29/16
Matrix: LIO - Liquid, Non-aqueous	Date Received: 09/29/16
Method: SW846 8260C	Percent Solids: n/a
Project:	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-01-8	Trichloroethene	ND	100	26	ug/l	
75-01-4	Vinyl chloride	ND	100	33	ug/l	
1330-20-7	Xylene (total)	ND	100	21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	102%	78-170%
17080-07-0	1,2-Dichloroethane-D4	101%	103%	72-122%
2037-26-5	Toluene-D8	99%	100%	84-119%
460-00-4	4-Bromofluorobenzene	105%	106%	78-117%


(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

I = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

		Date Sampled: 09/29/16
Matrix:	LIQ - Liquid, Non-aqueous	Date Received: 09/29/16
Project:		Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
		4000		2000	10/07/16 10:52	JN	EPA 800/SW/846 9058A

RL = Reporting Limit

Jordi Labs, LLC

Certificate of Analysis

Jordi Labs	[REDACTED]
200 Gilbert Street, Mansfield, MA 02048	[REDACTED]
Ph: 508.966.1301 Fax: 508.539.1699	[REDACTED]
https://jordilabs.com/	[REDACTED]

Invoice No.	JL0706	Date Received	29 JAN 2016
Lab Reference No.	JL0706	Date/Time Collected	N/A
Scientist	James Woods	Matrix Type	Liquid
Product ID	Hydrochloric Acid		

Parameter	Test Method	Reporting Limit	Test Result
[REDACTED]	D-1298		[REDACTED]
[REDACTED]	S.W. 9040	0.01 pH Units	[REDACTED]
[REDACTED]	IEC	<0.1 ppm	[REDACTED]
[REDACTED]	IEC	<0.1 ppm	[REDACTED]
Li	ICP-MS	<0.01 ppm	<0.01 ppm
Be	ICP-MS	<0.01 ppm	<0.01 ppm
B	ICP-MS	<0.01 ppm	0.6 ppm
Na	ICP-MS	<0.01 ppm	14 ppm
Mg	ICP-MS	<0.01 ppm	0.9 ppm
Al	ICP-MS	<0.01 ppm	1.3 ppm
Si	ICP-MS	<0.01 ppm	14 ppm
P	ICP-MS	<0.01 ppm	0.3 ppm
K	ICP-MS	<0.01 ppm	1 ppm
Ca	ICP-MS	<0.01 ppm	4.7 ppm
Sc	ICP-MS	<0.01 ppm	<0.01 ppm
Ti	ICP-MS	<0.01 ppm	0.02 ppm
V	ICP-MS	<0.01 ppm	0.06 ppm
[REDACTED]	ICP-MS	<0.01 ppm	[REDACTED]
Mn	ICP-MS	<0.01 ppm	0.87 ppm
Fe	ICP-MS	<0.01 ppm	46 ppm
Co	ICP-MS	<0.01 ppm	0.15 ppm
Ni	ICP-MS	<0.01 ppm	5.7 ppm
Cu	ICP-MS	<0.01 ppm	0.25 ppm
Zn	ICP-MS	<0.01 ppm	0.15 ppm
Ga	ICP-MS	<0.01 ppm	<0.01 ppm
Ge	ICP-MS	<0.01 ppm	<0.01 ppm
As	ICP-MS	<0.01 ppm	0.05 ppm
Se	ICP-MS	<0.01 ppm	<0.01 ppm
Rb	ICP-MS	<0.01 ppm	<0.01 ppm
Sr	ICP-MS	<0.01 ppm	0.02 ppm
Y	ICP-MS	<0.01 ppm	<0.01 ppm
Zr	ICP-MS	<0.01 ppm	<0.01 ppm
Nb	ICP-MS	<0.01 ppm	<0.01 ppm

Jordi Labs, LLC

Certificate of Analysis

Jordi Labs	[REDACTED]
200 Gilbert Street, Mansfield, MA 02048	
Ph: 508.966.1901 Fax: 508.339.1639	
https://jordilabs.com/	

Mo	ICP-MS	<0.01 ppm	1.6 ppm
Ru	ICP-MS	<0.01 ppm	<0.01 ppm
Rh	ICP-MS	<0.01 ppm	<0.01 ppm
Pd	ICP-MS	<0.01 ppm	<0.01 ppm
Ag	ICP-MS	<0.01 ppm	<0.01 ppm
In	ICP-MS	<0.01 ppm	<0.01 ppm
Sn	ICP-MS	<0.01 ppm	0.02 ppm
Sb	ICP-MS	<0.01 ppm	<0.01 ppm
Te	ICP-MS	<0.01 ppm	<0.01 ppm
Cs	ICP-MS	<0.01 ppm	<0.01 ppm
Ba	ICP-MS	<0.01 ppm	0.26 ppm
La	ICP-MS	<0.01 ppm	<0.01 ppm
Ce	ICP-MS	<0.01 ppm	<0.01 ppm
Pr	ICP-MS	<0.01 ppm	<0.01 ppm
Nd	ICP-MS	<0.01 ppm	<0.01 ppm
Sm	ICP-MS	<0.01 ppm	<0.01 ppm
Eu	ICP-MS	<0.01 ppm	<0.01 ppm
Gd	ICP-MS	<0.01 ppm	<0.01 ppm
Tb	ICP-MS	<0.01 ppm	<0.01 ppm
Dy	ICP-MS	<0.01 ppm	<0.01 ppm
Ho	ICP-MS	<0.01 ppm	<0.01 ppm
Er	ICP-MS	<0.01 ppm	<0.01 ppm
Tm	ICP-MS	<0.01 ppm	<0.01 ppm
Yb	ICP-MS	<0.01 ppm	<0.01 ppm
Lu	ICP-MS	<0.01 ppm	<0.01 ppm
Hf	ICP-MS	<0.01 ppm	<0.01 ppm
Ta	ICP-MS	<0.01 ppm	<0.01 ppm
W	ICP-MS	<0.01 ppm	0.02 ppm
Re	ICP-MS	<0.01 ppm	<0.01 ppm
Os	ICP-MS	<0.01 ppm	<0.01 ppm
Ir	ICP-MS	<0.01 ppm	<0.01 ppm
Pt	ICP-MS	<0.01 ppm	<0.01 ppm
Au	ICP-MS	<0.01 ppm	<0.01 ppm
Hg	ICP-MS	<0.01 ppm	<0.01 ppm
Pb	ICP-MS	<0.01 ppm	<0.01 ppm
Bi	ICP-MS	<0.01 ppm	<0.01 ppm
Th	ICP-MS	<0.01 ppm	<0.01 ppm
U	ICP-MS	<0.01 ppm	<0.01 ppm

SGS

ACCUTEST
New Jersey

0170547

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SGS

e-Hardcopy 2.0
Automated Report

Technical Report for

[REDACTED]

Hydrochloric Acid By-Product

[REDACTED]

SGS Accutest Job Number: JC28485

Sampling Dates: 09/27/16 - 09/29/16

Report to:

[REDACTED]

Total number of pages in report: 14



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy A. Cole

Nancy Cole
Laboratory Director

Client Service contact: Kelly Patterson 732-329-0200

Certifications: NJ(12120), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DaD ELAP (L-A-B L2248)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.
Test results relate only to samples analyzed.

SGS

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Sample Summary

Job No: JC28485

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC28485-1	09/27/16	11:00 BM	09/27/16	LIQ	Liquid, Non-aqueous	[REDACTED]
JC28485-2	09/29/16	09:29 BM	09/29/16	LIQ	Liquid, Non-aqueous	[REDACTED]
JC28485-3	09/29/16	09:29 BM	09/29/16	LIQ	Liquid, Non-aqueous	[REDACTED]

Summary of Hits

2



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
--------------------------	------------------	-----------------	----	-----	-------	--------



Barium		[REDACTED]	1.0		mg/l	SW846 6010C
Chromium		[REDACTED]	0.10		mg/l	SW846 6010C

DO09 →



Carbon tetrachloride	0.5 ppm	[REDACTED]	100	54	ug/l	SW846 8260C
Chlorobenzene	100	[REDACTED]	100	17	ug/l	SW846 8260C
Chloroethane	NA	[REDACTED]	100	44	ug/l	SW846 8260C
Chloroform	6.0	[REDACTED]	100	23	ug/l	SW846 8260C
Chloromethane	NA	[REDACTED]	2000	1900	ug/l	SW846 8260C
Methylene chloride	NA	[REDACTED]	4000	2000	ug/l	SW846 8260C

ppb

not "hexa" →



Chloride		[REDACTED]	4000		mg/l	EPA 300/SW846 9056A
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Done
OU

SGS

ACCUTEST
New Jersey

Section 3

63

Sample Results

Report of Analysis

SGS

5 of 14
ACCUTEST
JC28485

Report of Analysis

31
3



Date Sampled: 09/27/16
Date Received: 09/27/16
Percent Solids: n/a

Metals Analysis, TCLP Leachate SW846-1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	0.50	D004	5.0	0.50	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³
Barium	11.0	D005	100	1.0	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³
Cadmium	0.050	D006	1.0	0.050	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³
Chromium	12.5	D007	5.0	0.10	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³
Lead	0.50	D008	5.0	0.50	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³
Mercury ^a	0.0060	D009	0.20	0.0060	mg/l	1	09/30/16	09/30/16 MS	SW846 7470A ¹	SW846 7470A ⁴
Selenium	1.0	D010	1.0	1.0	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³
Silver	0.10	D011	5.0	0.10	mg/l	1	09/29/16	10/01/16 AB	SW846 6010C ²	SW846 3010A ³

- (1) Instrument QC Batch: MA40417
- (2) Instrument QC Batch: MA40421
- (3) Prep QC Batch: MP96291
- (4) Prep QC Batch: MP96299

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261.6/96)

Report of Analysis

32
3

[Redacted]

Date Sampled: 09/29/16

Date Received: 09/29/16

File ID: n/a

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U209055.D	100	10/05/16	GA	n/a	n/a	VU9585
Run #2	U209087.D	2000	10/06/16	GA	n/a	n/a	VU9586

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	500	ug/l	
71-43-2	Benzene	ND	50	14	ug/l	
75-27-4	Bromodichloromethane	ND	100	55	ug/l	
75-25-2	Bromoform	ND	100	34	ug/l	
74-83-9	Bromomethane	ND	200	46	ug/l	
78-03-3	2-Butanone (MEK)	ND	1000	190	ug/l	
75-15-0	Carbon disulfide	ND	200	33	ug/l	
56-23-5	Carbon tetrachloride	ND	100	54	ug/l	
108-90-7	Chlorobenzene	ND	100	17	ug/l	J
75-00-3	Chloroethane	ND	100	44	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	2000	1900	ug/l	
124-48-1	Dibromochloromethane	ND	100	23	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	21	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	39	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	36	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	31	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	26	ug/l	
100-41-4	Ethylbenzene	ND	100	20	ug/l	
591-78-6	2-Hexanone	ND	500	150	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	120	ug/l	
75-09-2	Methylene chloride	ND	4000	2000	ug/l	
100-42-5	Styrene	ND	100	27	ug/l	
78-34-5	1,1,2,2-Tetrachloroethane	ND	100	39	ug/l	
127-18-4	Tetrachloroethene	ND	100	23	ug/l	
108-88-3	Toluene	ND	100	23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	28	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms**Custody Documents and Other Forms**

Includes the following where applicable:

- *Chain of Custody*



ACCUTEST

LIR

CHAIN OF CUSTODY

SGS Analytical - Dayton
2325 Route 130, Dayton, NJ 08810
TEL: 781-325-8200 FAX: 781-325-3159/3480
www.sgs.com

Matrix Codes
DW - Drinking Water
GW - Ground Water
MW - Wastewater
SW - Surface Water
SO - Soil
SL - Sludge
SM - Sediment
CS - CS
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WPP - Wastewater
PS - Pulp Slurry
ES - Equipment Wash
IS - In-line Wash
IS-NSP Blank

Sample ID	Client	Project	Location	Date	Time	Sampled By	Matrix	Method	Volume	Container	Preservation	Remarks
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Same As Report To

TCL PM
V8860 TCL

LAB USE ONLY
156

4.1

Time and Date (Business Day) _____ Date Delivered/Received _____

Approved By: SGS Analytical / Date: _____

Organics (Level 1) NYASP Category A
 Organics (Level 2) NYASP Category B
 PRIORITY (Level 3-4) Lead Formic
 H3 Formic EDD Formic
 Organics (Level 5) Other
 Vol Data of Whose Quality Protocol (Requested)

JC28485: Chain of Custody
Page 1 of 4

SGS Accutest Sample - Problem Resolution

Accutest Job Number: JC28485

CSR: Kelly

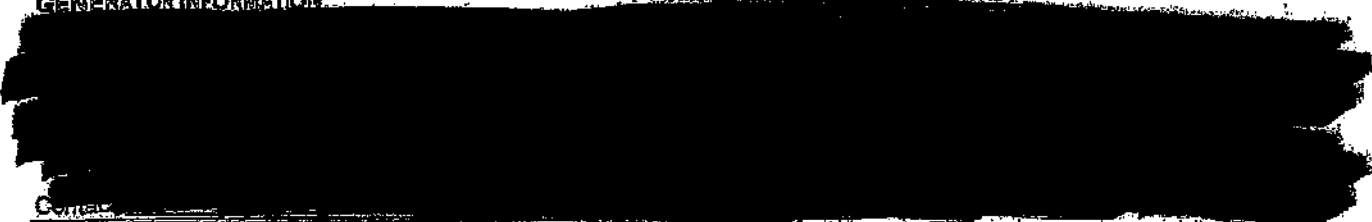
Response Date: 9/28/2016

Response: Please run for TCLPM. Will receive additional volume 9/29 for VOCs

4.1
4

JC28485: Chain of Custody
Page 3 of 4

GENERATOR INFORMATION



BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

L.P. LEADWATE

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

LANDFILL

USEPA / STATE WASTE IDENTIFICATION

- This waste is considered to be: Non Hazardous Liquid Industrial Waste Hazardous Waste
- Regulated by TSCA? Yes No (PCBs, etc.)
- List ALL Applicable Waste Codes: **089**

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other 1.04	acceptable 1/24/17 DS
--	---	---	---	--------------------------

pH: NA ≤ 2 2-4 4-8 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 - **<10** PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
WATER	100	99			
TRACE ORGANICS	2	0			
SOLIDS	8	0			

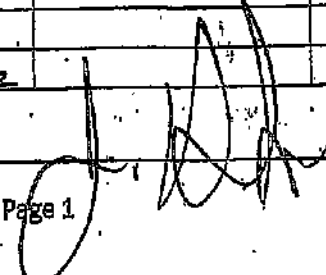
14834 & 144901

FINGERPRINT FORM

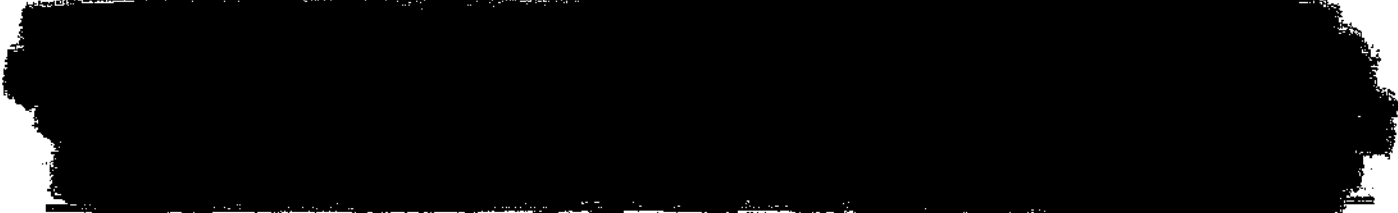
ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/26/17
M	[REDACTED]
Land Ban Cert Included	Yes No
EQT Approval	[REDACTED]
Client	[REDACTED]
Transporter	
Time In	
Time out	
Received by	S.H.
Sampled by	Client

Compatible? (RT#)	(Yes) 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.)	7.3	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	1.04	TDS	
Physical Description	liquid	Resistivity	
Stream Consistency	(Yes) No	Sulfate	
Oil In Sample	Yes (No)		
Temperature	60°F		
Conductivity	20.4 mS		
% Solids	3.5		
Turbidity	(Yes) No		
Color (visual)	Brown		
TSS (%)	0.1		
Radiation Screen (as needed)	Negative		
Lab Signature			

GENERATOR INFORMATION



BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name: Cadmium Plating Solution

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

Plating

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-3% <input type="checkbox"/> >6%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> BI-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.21</u>	acceptable 01.31.17
--	---	---	---	------------------------

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>94</u>	<u>60</u>			%
<u>Sodium Hydroxide</u>	<u>10</u>	<u>1</u>			%
<u>Sludge</u>	<u>30</u>	<u>5</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 type="checkbox"/> TCLP <input type="checkbox"/> TOTAL	
Not Present	Concentration	Not Present	Concentration
PCB	<input type="checkbox"/> _____ ppm	Aromatic Amine	<input type="checkbox"/> _____ ppm
Dioxins	<input type="checkbox"/> _____ ppm	Pesticides	<input type="checkbox"/> _____ ppm
Cyanides Reactive	<input type="checkbox"/> _____ ppm	Rodenticides	<input type="checkbox"/> _____ ppm
Cyanides Total	<input type="checkbox"/> _____ ppm	Fungicides	<input type="checkbox"/> _____ ppm
Sulfides Reactive	<input type="checkbox"/> _____ ppm		
Sulfides Total	<input type="checkbox"/> _____ ppm		
		Arsenic (As)	D004 <input type="checkbox"/> < 5 ppm _____ ppm
		Barium (Ba)	D005 <input type="checkbox"/> < 100 ppm _____ ppm
		Cadmium (Cd)	D006 <input type="checkbox"/> < 1 ppm _____ ppm
		Chromium (Cr)	D007 <input type="checkbox"/> < 5 ppm _____ ppm
		Lead (Pb)	D008 <input type="checkbox"/> < 5 ppm _____ ppm
		Mercury (Hg)	D009 <input type="checkbox"/> < 0.2 ppm _____ ppm
		Selenium (Se)	D010 <input type="checkbox"/> < 1 ppm _____ ppm
		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

- Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? Yes No
- Reportable Quantity (RQ) in pounds _____
- DOT Shipping Name: UN 3266 Waste Corrosive Liquid, base, inorganic, n.o.s. (Sodium hydroxide) Hazard Class 8 UNNA 3266
- Method of Shipment: Bulk Tanker Van truck Rail Car Drums Other
- Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: Varies 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.

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

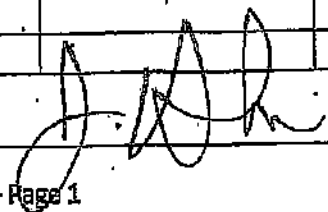
Relinquished by: (Signature)	Time	Received by: (Signature)	Date	Time

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/31/17
Receiving ID#	Cadmium Plating Solution
Manifest# Line:	
Land Ban Cert Included	Yes No
EQT Approval#	[REDACTED]
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	Client

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.)	12.3	Sodium Chloride	
Cyanides? (mg/L)	<30	Bicarbonate	
Sulfides? (ppm)	<200	Carbonate	
Specific Gravity	1.21	TDS	
Physical Description	Liquid	Resistivity	
Stream Consistency	<input checked="" type="radio"/> Yes <input type="radio"/> No	Sulfate	
Oil In Sample	Yes <input checked="" type="radio"/> No		
Temperature	73°F		
Conductivity	151.0 mS		
% Solids	23.8		
Turbidity	Yes <input checked="" type="radio"/> No		
Color (visual)	1E. Brown		
TSS (%)	<0.1		
Radiation Screen (as needed)	Negative		
Lab Signature			

GENERATOR INFORMATION



Cont:

BILLING INFORMATION

SAME AS ABOVE

Company Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Attention: _____ Phone: () _____ Fax: () _____

WASTE INFORMATION

Name of Waste/Common Chemical Name:

39 Nickel Stripper

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

Stripping metal

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: *029L*

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <i>orange</i>	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-3% <input type="checkbox"/> >5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> BI-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <i>1.14</i>	<i>accessible</i> 01.31.17
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pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5

Liquid Flash Point: <78°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
<i>Water</i>	<i>94</i>	<i>65</i>			
<i>Some Hazardous</i>	<i>1</i>	<i>1</i>			
<i>Solids</i>	<i>25</i>	<i>5</i>			

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

Lab Analysis Generator Knowledge TCLP TOTAL

	Not Present	Concentration		Not Present	Concentration				
PCB	<input checked="" type="checkbox"/>	ppm	Aromatic Amine	<input checked="" type="checkbox"/>	ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/>	< 5 ppm
Dioxins	<input checked="" type="checkbox"/>	ppm	Pesticides	<input checked="" type="checkbox"/>	ppm	Barium (Ba)	D006	<input checked="" type="checkbox"/>	< 100 ppm
Cyanides Reactive	<input checked="" type="checkbox"/>	ppm	Rodenticides	<input checked="" type="checkbox"/>	ppm	Cadmium (Cd)	D008	<input checked="" type="checkbox"/>	< 1 ppm
Cyanides Total	<input checked="" type="checkbox"/>	ppm	Fungicides	<input checked="" type="checkbox"/>	ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/>	< 5 ppm
Sulfides Reactive	<input checked="" type="checkbox"/>	ppm				Lead (Pb)	D008	<input checked="" type="checkbox"/>	< 5 ppm
Sulfides Total	<input checked="" type="checkbox"/>	ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/>	< 0.2 ppm
						Selenium (Se)	D010	<input checked="" type="checkbox"/>	< 1 ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/>	< 5 ppm

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

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

SHIPPING INFORMATION

- 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 _____ UN/NA _____
- PG _____ ERG _____ Hazardous Constituents for "h.o.s." _____
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: _____ 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 analytical data.

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.

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

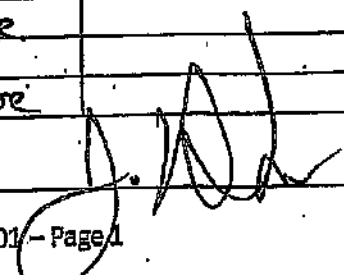
Relinquished by:	Date	Time	Received by:	Date	Time
(Signature)			(Signature)		

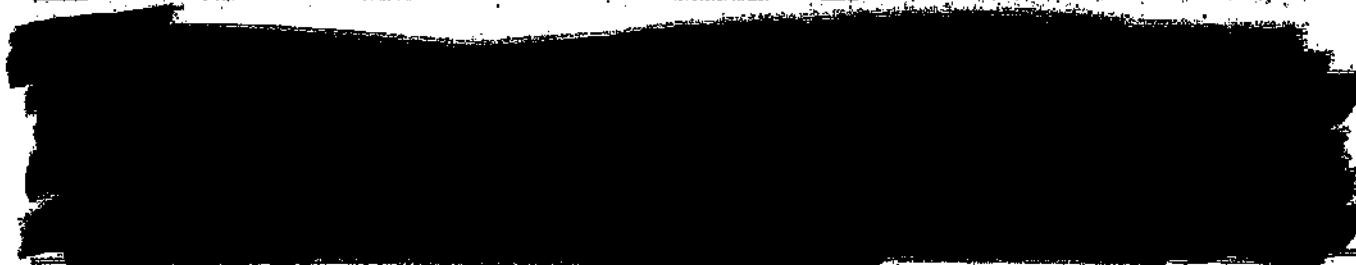
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	1/31/17
Receiving ID#	B9 Nickel Strip
Manifest# Line:	
Land Ban Cert included	Yes No
EQT Approval#	[REDACTED]
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Cl:207

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.)	9.9	Sodium Chloride
Cyanides? (mg/L)	230	Bicarbonate
Sulfides? (ppm)	2200	Carbonate
Specific Gravity	1.14	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	71°F	
Conductivity	81.0 mS	
% Solids	22.9	
Turbidity	Yes <input type="radio"/> No <input checked="" type="radio"/>	
Color (visual)	Orange	
TSS (%)	20.1	
Radiation Screen (as needed)	Negative	
Lab Signature		



BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name: Copper Cyanide Plating Solution

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

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-3% <input type="checkbox"/> >5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.17</u>	acceptable 01.31.17
--	---	---	---	------------------------

pH: NA ≤ 2 2-4 4-8 8-8 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 - _____ PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
Water	94	60			%
Sodium Hydroxide	10	1			%
Solids	30	5			%
					%
					%

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

Not Present		Concentration		Not Present		Concentration	
PCB	<input type="checkbox"/>	_____ ppm	Aromatic Amine	<input type="checkbox"/>	_____ ppm	Arsenic (As)	D004 <input type="checkbox"/> Δ 5 ppm _____ ppm
Dioxins	<input type="checkbox"/>	_____ ppm	Pesticides	<input type="checkbox"/>	_____ ppm	Barium (Ba)	D005 <input type="checkbox"/> Δ 100 ppm _____ ppm
Cyanides Reactive	<input type="checkbox"/>	_____ ppm	Rodenticides	<input type="checkbox"/>	_____ ppm	Cadmium (Cd)	D006 <input type="checkbox"/> Δ 1 ppm _____ ppm
Cyanides Total	<input type="checkbox"/>	_____ ppm	Fungicides	<input type="checkbox"/>	_____ ppm	Chromium (Cr)	D007 <input type="checkbox"/> Δ 5 ppm _____ ppm
Sulfides Reactive	<input type="checkbox"/>	_____ ppm				Lead (Pb)	D008 <input type="checkbox"/> Δ 5 ppm _____ ppm
Sulfides Total	<input type="checkbox"/>	_____ ppm				Mercury (Hg)	D009 <input type="checkbox"/> Δ 0.2 ppm _____ ppm
						Selenium (Se)	D010 <input type="checkbox"/> Δ 1 ppm _____ ppm
						Silver (Ag)	D011 <input type="checkbox"/> Δ 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-Possible 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 _____ UN/NA _____
- PG _____ ERG _____ Hazardous Constituents for "n.o.s." _____
- Method of Shipment: Bulk Tanker Van truck Rail Car Drums Pallets
- Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: _____ 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.

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#	Copper Cyanide
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Client	[REDACTED]
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	Client

Compatible? (RT#)	(Yes) 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.)	12.3	Sodium Chloride	
Cyanides? (mg/L)	<30	Bicarbonate	
Sulfides? (ppm)	<200	Carbonate	
Specific Gravity	1.17	TDS	
Physical Description	liquid	Resistivity	
Stream Consistency	(Yes) No	Sulfate	
Oil in Sample	Yes (No)		
Temperature	75°F		
Conductivity	151.3 mS		
% Solids	23.1		
Turbidity	Yes (No)		
Color (visual)	Colorless		
TSS (%)	<0.1		
Radiation Screen (as needed)	Negative		
Lab Signature	[Signature]		

GENERATOR INFORMATION



BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name: Copper Strip

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

Stripping metal

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <u>Orange</u>	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-3% <input type="checkbox"/> >5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.19</u>	acceptable 01/31/17
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pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>Water</u>	<u>94</u>	<u>50</u>			
<u>Sodium Hydroxide</u>	<u>10</u>	<u>1</u>			
<u>SOLIDS</u>	<u>40</u>	<u>5</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	Code	Limit	Unit
<input type="checkbox"/>	PCB	ppm	<input type="checkbox"/>	Aromatic Amine	ppm	D004	< 5	ppm
<input type="checkbox"/>	Dioxins	ppm	<input type="checkbox"/>	Pesticides	ppm	D005	< 100	ppm
<input type="checkbox"/>	Cyanides Reactive	ppm	<input type="checkbox"/>	Rodenticides	ppm	D008	< 1	ppm
<input type="checkbox"/>	Cyanides Total	ppm	<input type="checkbox"/>	Fungicides	ppm	D007	< 5	ppm
<input type="checkbox"/>	Sulfides Reactive	ppm	<input type="checkbox"/>			D008	< 5	ppm
<input type="checkbox"/>	Sulfides Total	ppm				D009	< 0.2	ppm
						D010	< 1	ppm
						D011	< 5	ppm

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

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

SHIPPING INFORMATION

- 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 _____ UN/NA _____
- PG _____ ERG _____ Hazardous Constituents for "h.c.s." _____
- Method of Shipment: Bulk Tanker Vao truck Rail Car Drums Totes
- Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: _____ or One Time
- Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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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#	Copper Strip
Manfact# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	Client

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.)	12.1	Sodium Chloride	
Cyanides? (mg/L)	230	Bicarbonate	
Sulfides? (ppm)	2200	Carbonate	
Specific Gravity	1.19	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	74.0 F		
Conductivity	167.3 mS		
% Solids	29.6		
Turbidity	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Color (Visual)	Orange		
TSS (%)	<0.1		
Radiation Screen (as needed)	Negative		
Lab Signature	