

August 31, 2016

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-third Monthly Report in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011).

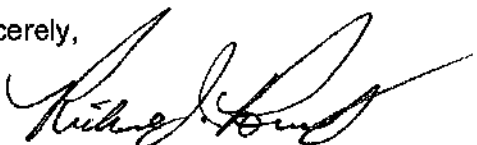
EGT is providing all of the attached information in the same sequence as required by both subject permits, i.e. Part II.D.1 (a – i), Part III, Attachment A, and Part III, Attachment E.G.2 & E.I.

EGT also hereby timely submits its fifteenth Injection Fluid Analyses (for July, 2016) 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 in April.

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

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

Sincerely,



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

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

att.

rjp083116/EGTEPAMonthlyReport-July, 2016

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2016CURRENT REPORTING MONTH JulyDate (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	59,139	0	59,139
Since facility first injected			5,862,764
MI-163-1W-C011, Well #2-12			
Current Month	427,062	0	427,062
Since facility first injected			3,529,656
		Lifetime Combined	9,392,420

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 3232 lifetime number of months of injection × 43,830 minutes/month= 1,402,560 minutes of injectionLifetime combined injected volume 9,392,420 ÷ 1,402,560 minutes of injection= 6.7 gpm average injection rate

WELL 1 DATA

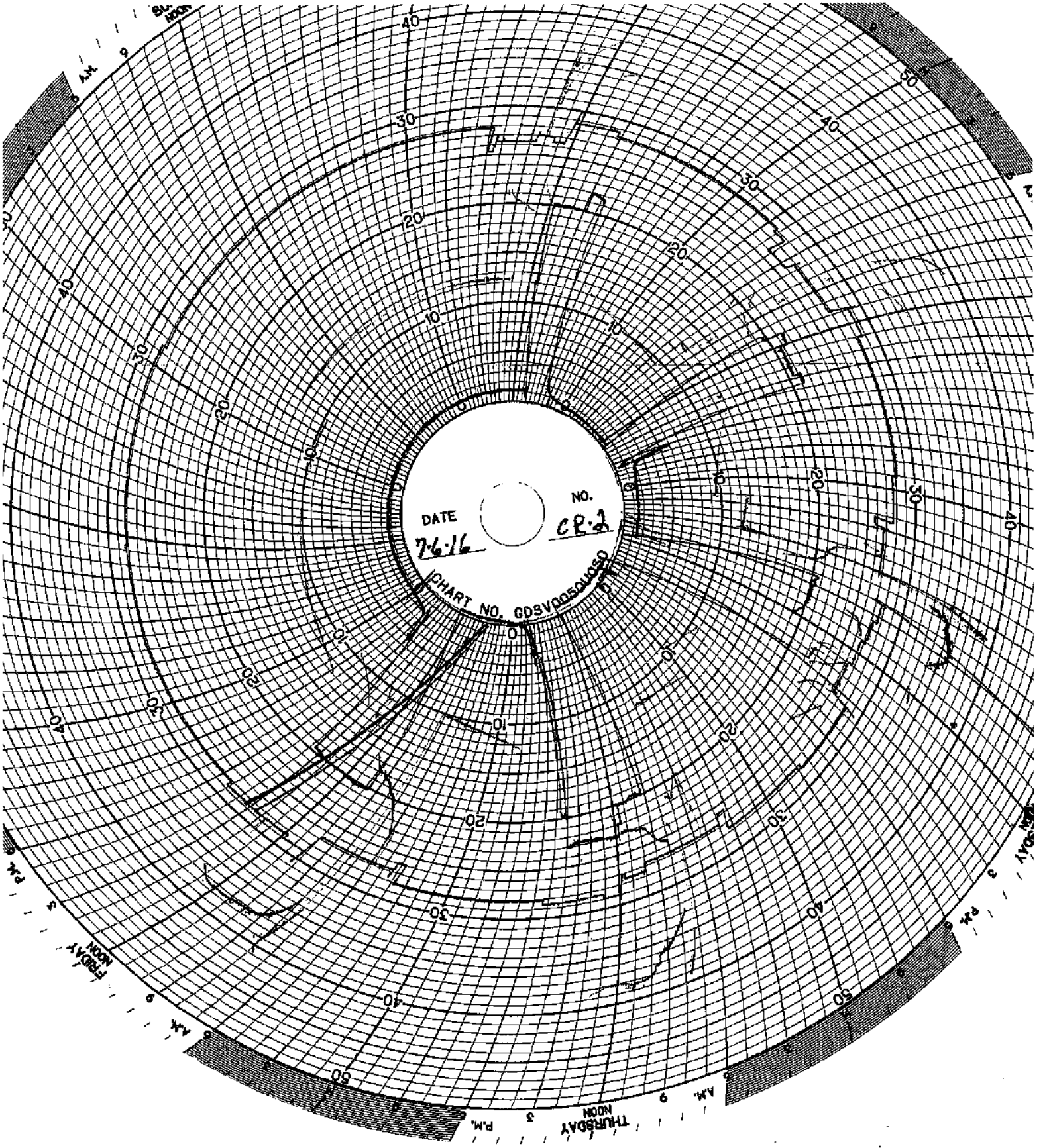
DATA DESCRIPTION

July 2016

There are several flowrate exceedances on the monthly data tables for well 1 and well 2. These are not exceedances but are false flowrate values caused by each mag flowmeter experiencing an empty pipe. In the past the condition was corrected in the programming, however, when EGT recently lost power and the SCADA 01 system had to be rebooted, a copy of the programming that preceded the correction was automatically installed. This was not immediately understood by EGT employees. EGT is using Utilities Instrumentation Services to correct the programming once again, and install the corrected version for the rebooting process.

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 Differentail Pressure (PSIG)	Max Differentail Pressure (PSIG)
7/1/2016	-1.4	-0.5	25.2	25.5	910.5	913.2	2.2	3.8	0.0	0.0	911.3	914.5
7/2/2016	-1.4	-0.3	25.1	25.5	907.2	910.6	1.8	2.2	0.0	0.0	907.9	911.7
7/3/2016	-1.4	-0.4	25.1	25.6	904.6	907.2	1.6	1.8	0.0	0.0	905.4	908.3
7/4/2016	-1.4	-0.3	25.2	25.6	902.5	904.7	1.4	1.6	0.0	0.0	903.1	905.8
7/5/2016	-1.5	-0.5	25.2	25.7	901.6	904.7	1.3	2.2	0.0	0.0	902.2	905.9
7/6/2016	-1.5	-0.5	25.3	25.7	900.4	903.3	1.5	1.9	0.0	0.0	901.0	904.7
7/7/2016	-1.5	-0.5	24.7	25.6	900.0	1009.3	1.2	2.0	0.0	0.0	900.7	1010.5
7/8/2016	-1.4	-0.4	24.7	25.0	998.9	1002.4	0.9	1.6	0.0	0.0	999.4	1003.8
7/9/2016	-1.4	-0.3	24.7	24.9	995.8	999.0	1.1	6.6	0.0	0.0	996.5	1000.0
7/10/2016	-1.5	-0.4	24.6	25.0	993.6	995.9	5.8	7.7	0.0	0.0	994.3	997.2
7/11/2016	-1.7	-0.4	24.7	25.0	992.6	995.6	1.0	7.9	0.0	0.0	993.1	996.9
7/12/2016	-2.3	-0.5	24.7	25.0	991.9	995.8	0.8	8.6	0.0	0.0	992.5	997.3
7/13/2016	-2.4	-0.5	24.7	25.0	991.3	995.0	0.4	8.6	0.0	0.0	991.9	996.7
7/14/2016	-2.3	-0.8	24.7	25.0	989.9	993.6	0.6	5.5	0.0	0.0	990.8	995.1
7/15/2016	-2.0	-0.7	24.7	25.0	988.8	992.7	0.1	4.6	0.0	0.0	989.5	994.3
7/16/2016	-1.6	-0.7	24.7	25.0	986.0	989.3	0.0	8.6	0.0	0.0	986.8	990.5
7/17/2016	-2.0	-0.6	24.7	25.0	985.0	986.1	1.1	1.4	0.0	0.0	985.6	987.4
7/18/2016	-2.0	-0.7	24.7	25.0	984.0	987.4	0.8	2.6	0.0	1.9	984.8	988.9
7/19/2016	-2.8	-0.6	24.7	25.0	983.3	987.7	0.0	4.1	0.0	0.0	984.1	989.6
7/20/2016	-1.5	-0.5	24.6	29.1	163.2	1007.0	0.0	1.1	12.4	68.4	164.2	1007.9
7/21/2016	-2.0	-0.6	25.1	25.5	919.7	923.0	1.1	1.8	3.4	42.3	920.6	924.8
7/22/2016	-2.1	27.9	25.1	25.5	918.4	965.4	1.1	1.7	3.5	364.1	919.2	945.6
7/23/2016	-10.0	624.2	24.9	27.3	807.0	1204.7	0.9	1.1	1.3	203.7	402.2	1014.6
7/24/2016	-9.9	-9.9	25.2	25.5	915.9	925.5	0.5	8.6	0.0	0.0	925.8	935.5
7/25/2016	-10.0	736.8	24.7	27.5	0.0	1203.1	-0.2	8.6	3.6	190.9	0.8	1015.7
7/26/2016	7.4	587.3	24.9	27.2	847.3	1202.7	-0.4	3.2	0.2	115.3	408.8	982.3
7/27/2016	-9.7	98.3	24.9	25.2	947.8	1075.6	0.0	2.1	1.9	33.0	902.1	1031.5
7/28/2016	-9.9	93.1	24.9	26.9	900.0	1199.9	0.7	1.6	26.3	205.2	906.8	1112.5
7/29/2016	-9.9	89.5	25.6	26.0	913.8	1129.5	1.0	1.8	13.9	208.6	900.2	1072.6
7/30/2016	-9.9	-5.4	24.8	25.9	900.0	1006.7	1.5	1.6	0.0	0.0	908.4	1015.0
7/31/2016	-5.8	-4.3	24.8	25.1	959.9	972.3	-0.2	8.6	0.0	0.0	964.7	978.1



DATE

7-6-16

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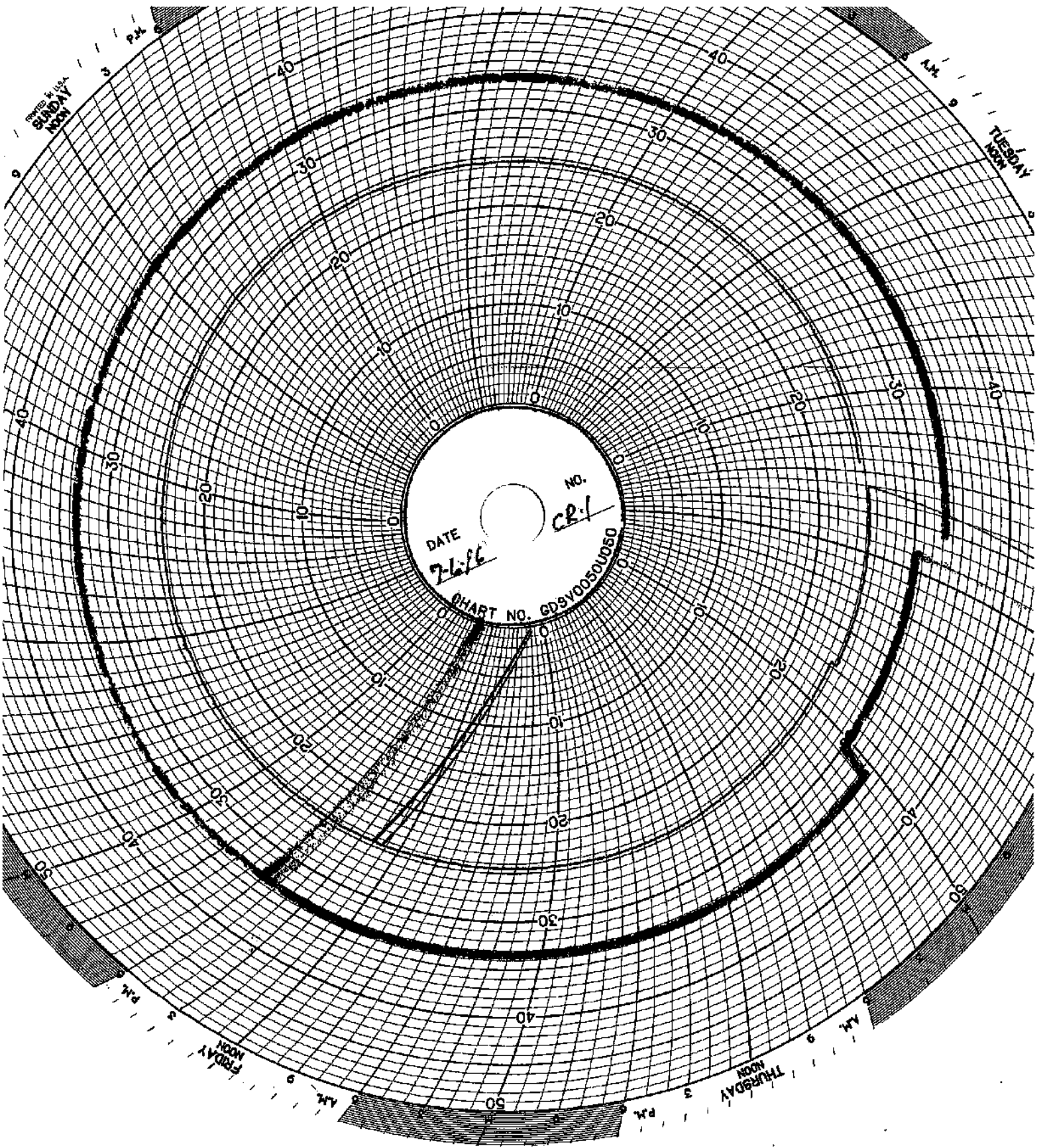
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CHART NO. GDSV00504050

THURSDAY 3 PM

FRIDAY 3 PM

SATURDAY 3 PM



UNITED STATES
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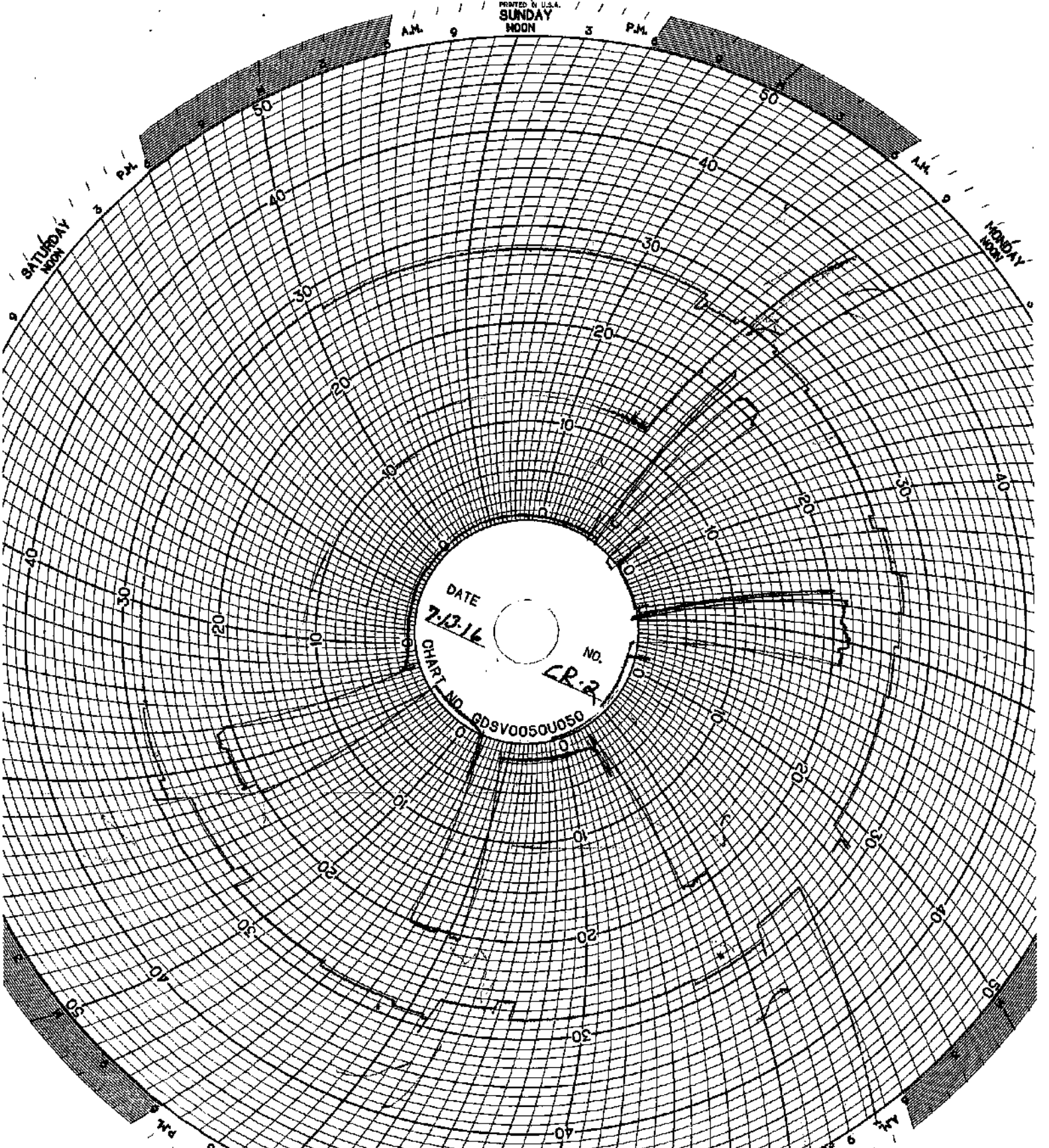
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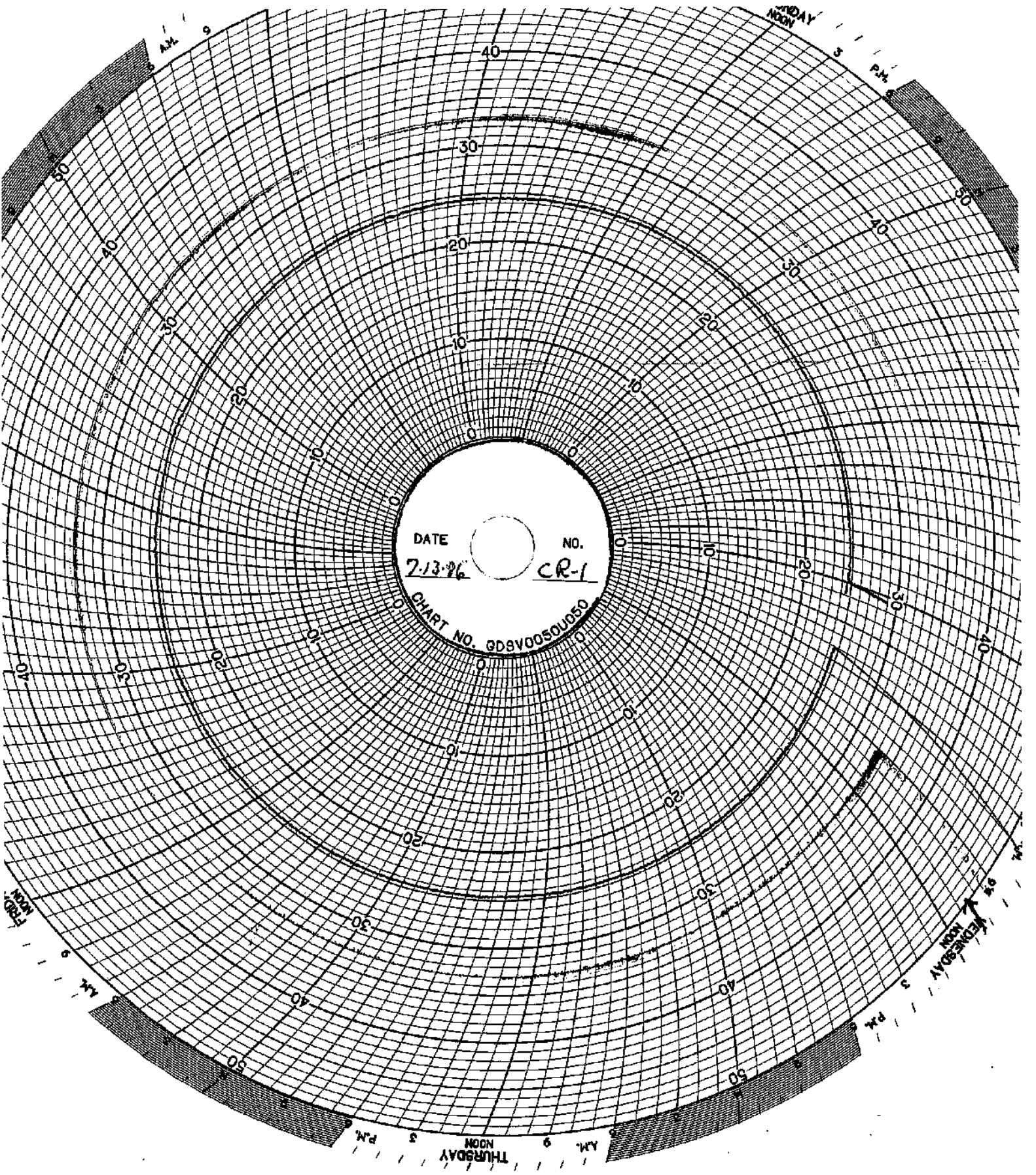


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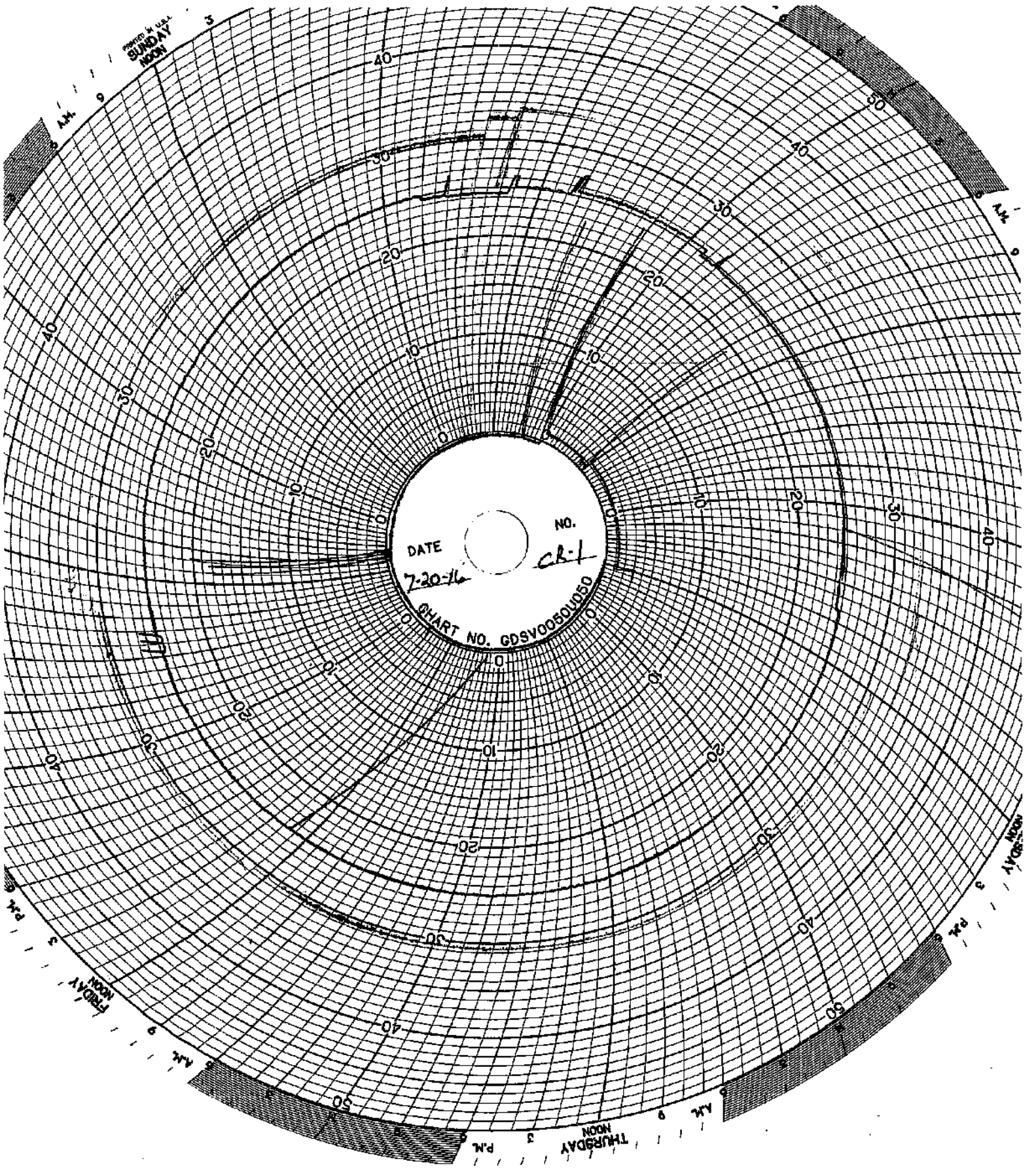
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NOON



AM 9

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AM 9

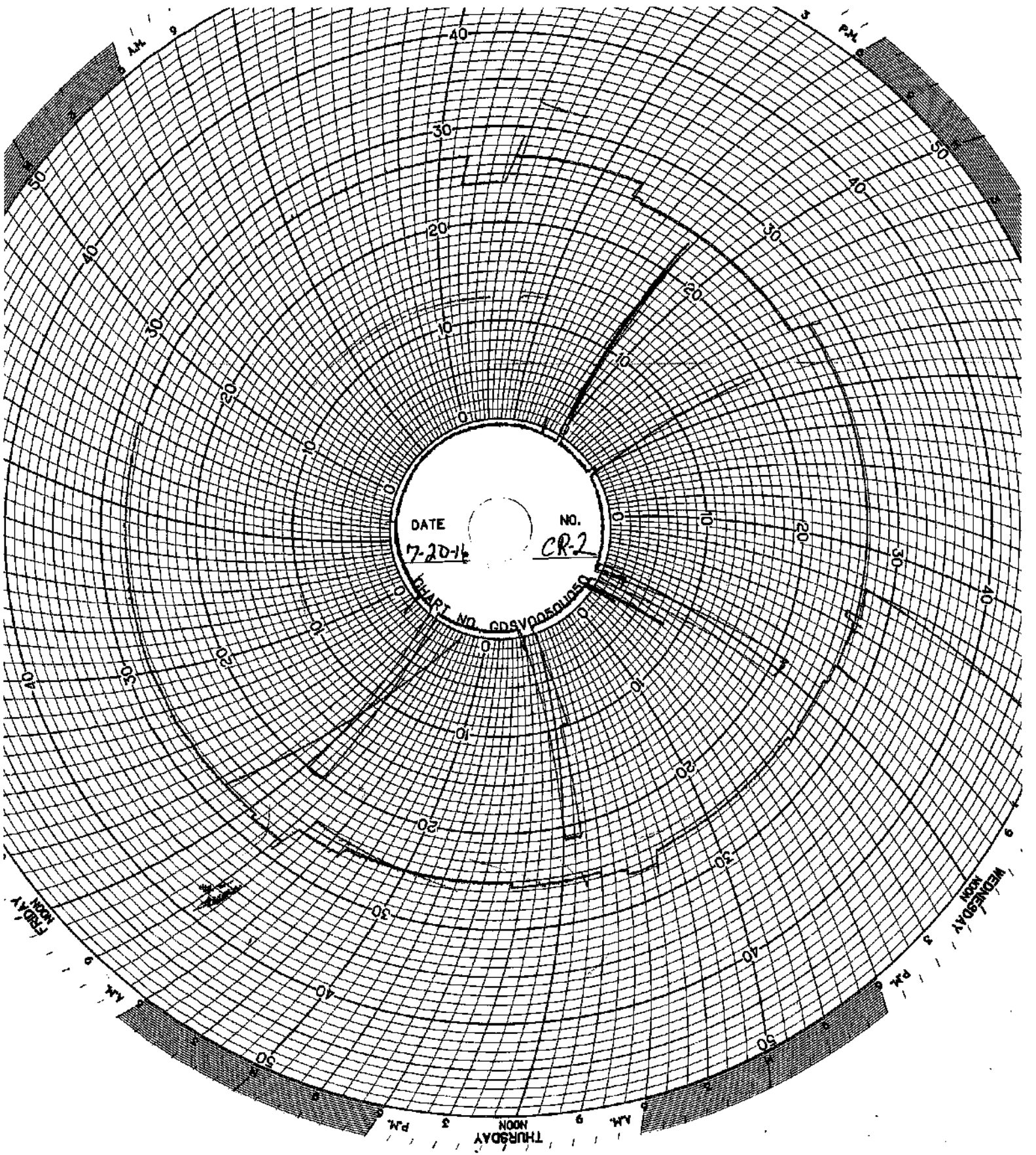
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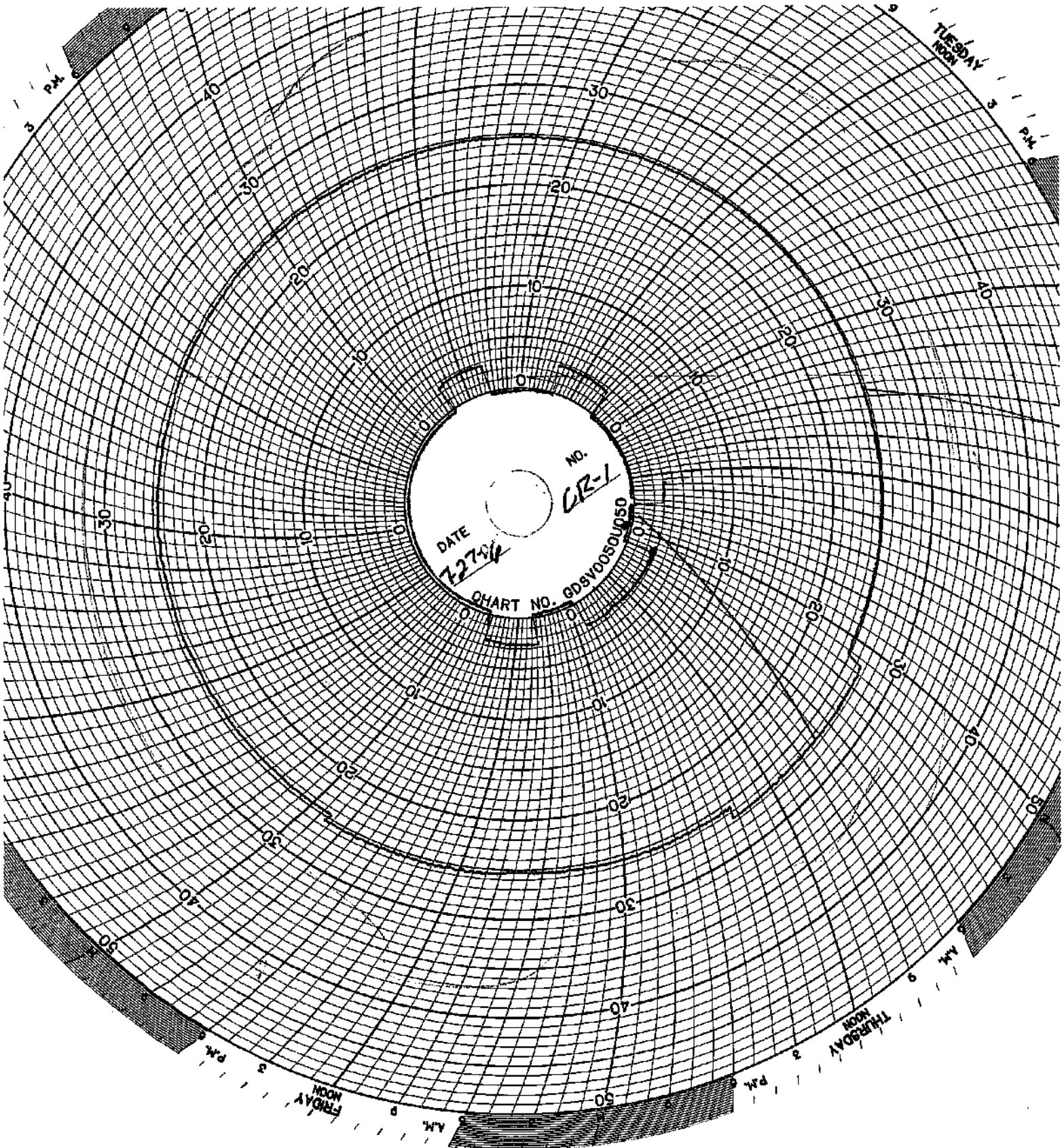
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7-27-64

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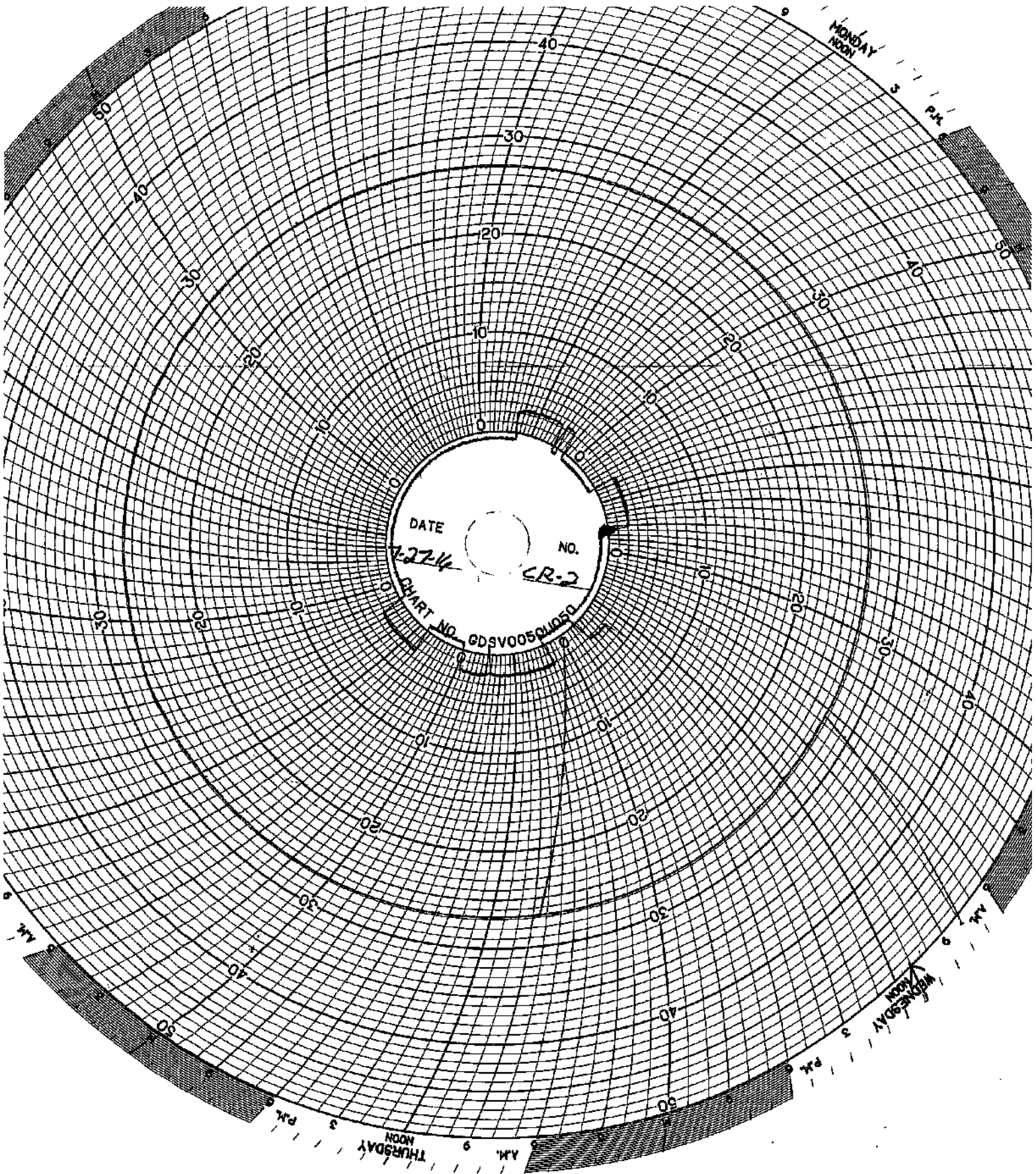
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FRIDAY
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MONDAY
3 PM



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NO. CR-2
CHART NO. GDSV00504050

MONDAY
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NOON

THURSDAY
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A.M.

P.M.

WELL 2 DATA

Well 02 Monthly Data

Date	Min Injection Pressure (PSIG)	Max Injection Pressure (PSIG)	Min Sight Glass Level (in)	Max Sight Glass Level (in)	Min Annulus Pressure (PSIG)	Max Annulus Pressure (PSIG)	Min Injectate pH	Max Injectate pH	Min Flow Rate (GPM)	Max Flow Rate (GPM)	Min Differential Pressure (PSIG)	Max Differential Pressure (PSIG)
7/1/2016	1.6	623.5	26.3	30.5	299.7	1191.9	2.2	3.8	11.1	153.2	247.1	912.8
7/2/2016	4.0	11.6	27.8	28.6	300.1	407.5	1.8	2.2	0.0	0.0	292.9	396.9
7/3/2016	2.7	4.1	27.9	28.4	345.5	361.6	1.6	1.8	0.0	0.0	342.8	357.5
7/4/2016	2.0	2.8	27.8	28.4	336.8	346.2	1.4	1.6	0.0	0.0	334.6	343.5
7/5/2016	-8.1	655.2	26.3	30.1	299.8	1200.2	1.3	2.2	19.0	170.6	277.6	889.1
7/6/2016	-10.0	709.7	26.3	29.9	299.7	1200.3	1.5	1.9	19.5	150.1	303.4	814.1
7/7/2016	-10.0	724.3	26.1	30.5	299.8	1200.3	1.2	2.0	28.8	167.1	272.2	805.3
7/8/2016	8.4	632.3	26.2	30.9	299.8	1200.0	0.9	1.6	20.5	156.1	168.3	799.7
7/9/2016	53.7	60.1	28.3	28.4	305.4	373.8	1.1	6.6	0.0	0.0	251.6	313.8
7/10/2016	51.7	58.5	27.6	28.3	300.0	405.5	5.8	7.7	0.0	0.0	246.9	348.0
7/11/2016	20.1	677.3	25.4	30.0	299.9	1200.2	1.0	7.9	14.4	126.9	258.4	876.5
7/12/2016	13.6	671.2	26.2	29.8	299.7	1201.3	0.8	8.6	17.6	140.3	183.3	726.7
7/13/2016	34.2	644.5	26.2	30.4	299.8	1200.2	0.4	8.6	22.2	146.0	219.9	759.4
7/14/2016	-4.7	640.6	26.4	31.1	294.1	1200.3	0.6	5.5	18.3	148.7	178.3	855.1
7/15/2016	-6.9	677.2	26.2	30.5	297.1	1200.1	0.1	4.6	23.9	155.0	247.6	803.0
7/16/2016	30.6	37.3	28.1	28.2	305.0	371.1	0.0	8.6	0.0	0.0	274.3	333.9
7/17/2016	28.6	34.2	27.4	28.2	299.9	405.8	1.1	1.4	0.0	0.0	269.8	372.1
7/18/2016	-8.3	695.8	25.9	27.7	373.8	1200.3	0.8	2.6	16.6	181.3	314.2	812.7
7/19/2016	-10.0	670.7	25.8	28.1	699.8	1199.9	0.0	4.1	25.2	174.6	315.6	894.1
7/20/2016	-10.0	664.9	25.5	29.2	146.6	1200.0	0.0	1.1	32.0	416.0	136.8	841.4
7/21/2016	-10.0	666.3	25.2	28.1	699.7	1198.3	1.1	1.8	21.4	388.2	323.1	818.8
7/22/2016	-10.0	626.2	25.4	29.7	299.9	1200.4	1.1	1.7	5.6	154.6	267.7	841.7
7/23/2016	-10.0	31.3	27.1	27.9	300.0	406.3	0.9	1.1	0.1	76.1	299.5	408.6
7/24/2016	-3.5	-2.7	26.9	27.4	384.5	399.4	0.5	8.6	0.0	0.0	387.9	402.3
7/25/2016	-5.5	735.9	24.2	29.1	357.4	1070.6	-0.2	8.6	1.7	123.8	149.2	1012.3
7/26/2016	-2.9	586.8	25.0	28.2	333.7	854.0	-0.4	3.2	0.5	6.1	220.7	856.8
7/27/2016	-9.9	97.6	26.8	27.3	365.9	610.4	0.0	2.1	5.5	39.0	269.3	576.1
7/28/2016	-10.0	91.6	26.8	27.3	369.0	708.7	0.7	1.6	19.2	81.2	378.8	627.4
7/29/2016	-10.0	88.4	26.7	27.3	418.1	664.2	1.0	1.8	10.1	275.4	399.7	615.8
7/30/2016	-10.0	-8.4	27.0	27.1	350.6	424.0	1.5	1.6	0.9	14.4	359.1	434.0
7/31/2016	-8.5	-7.1	26.7	27.3	335.3	350.9	-0.2	8.6	1.6	8.3	342.7	359.5

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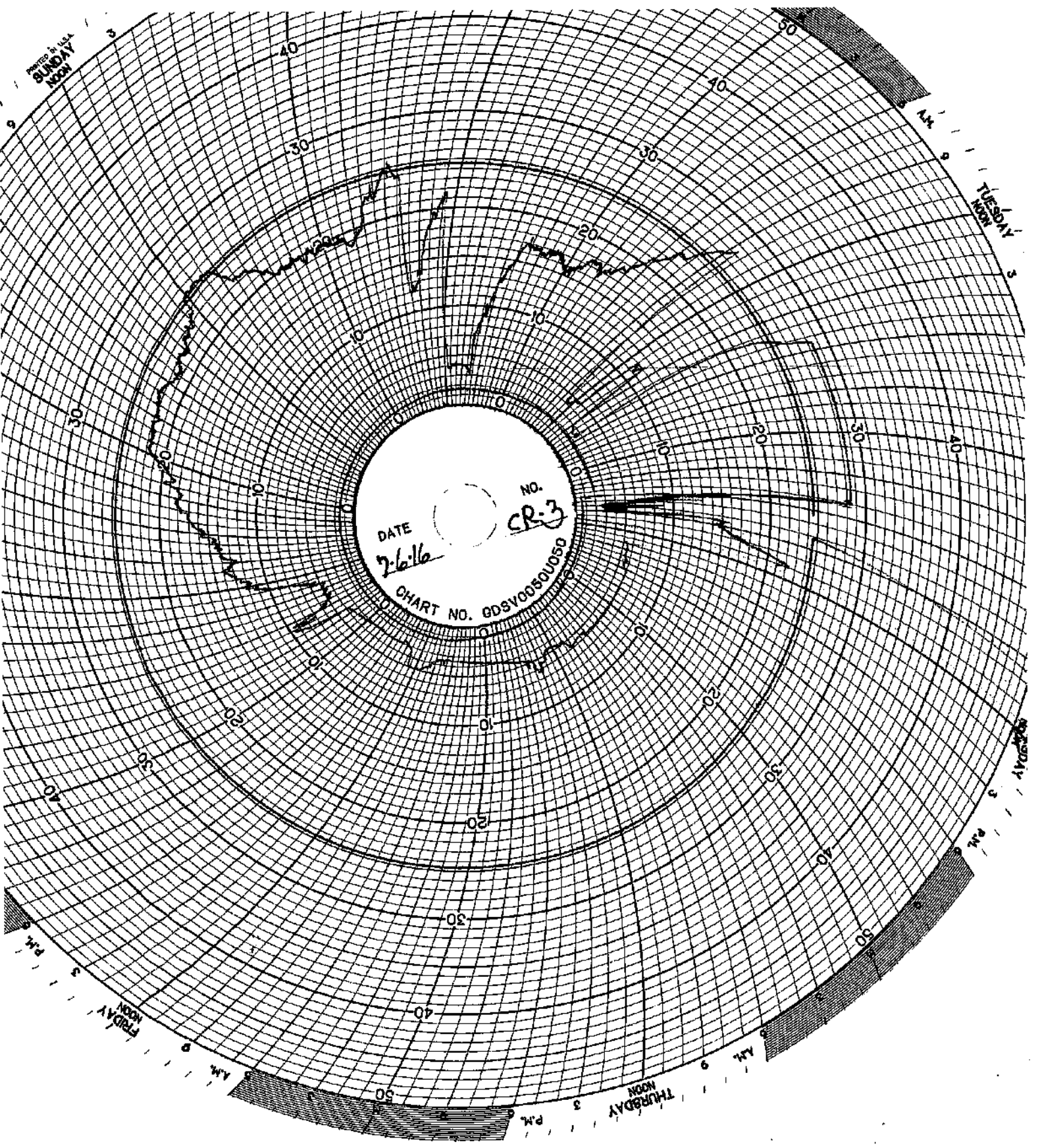
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DATE
7-6-16

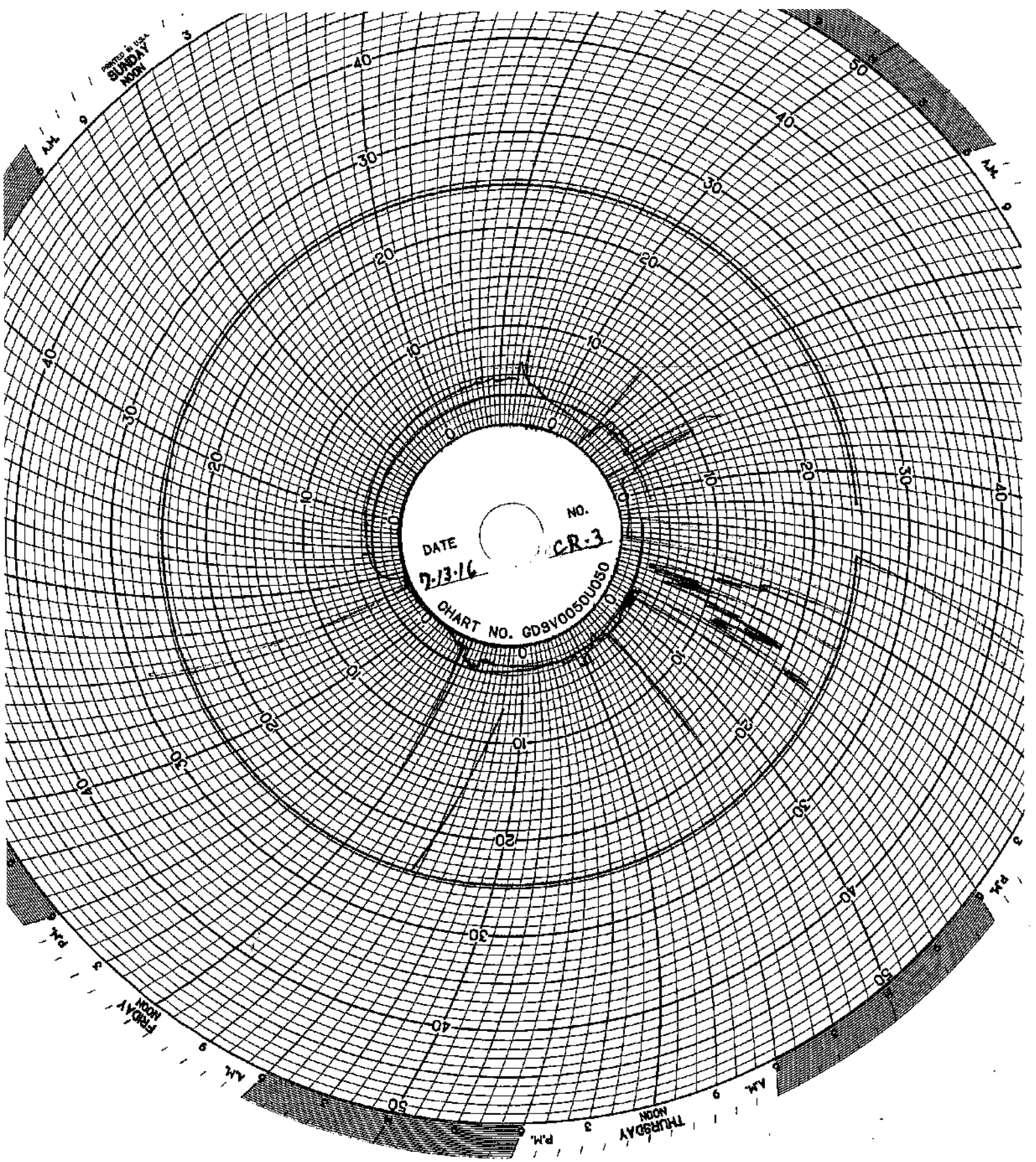
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CHART NO. 805V0050U050



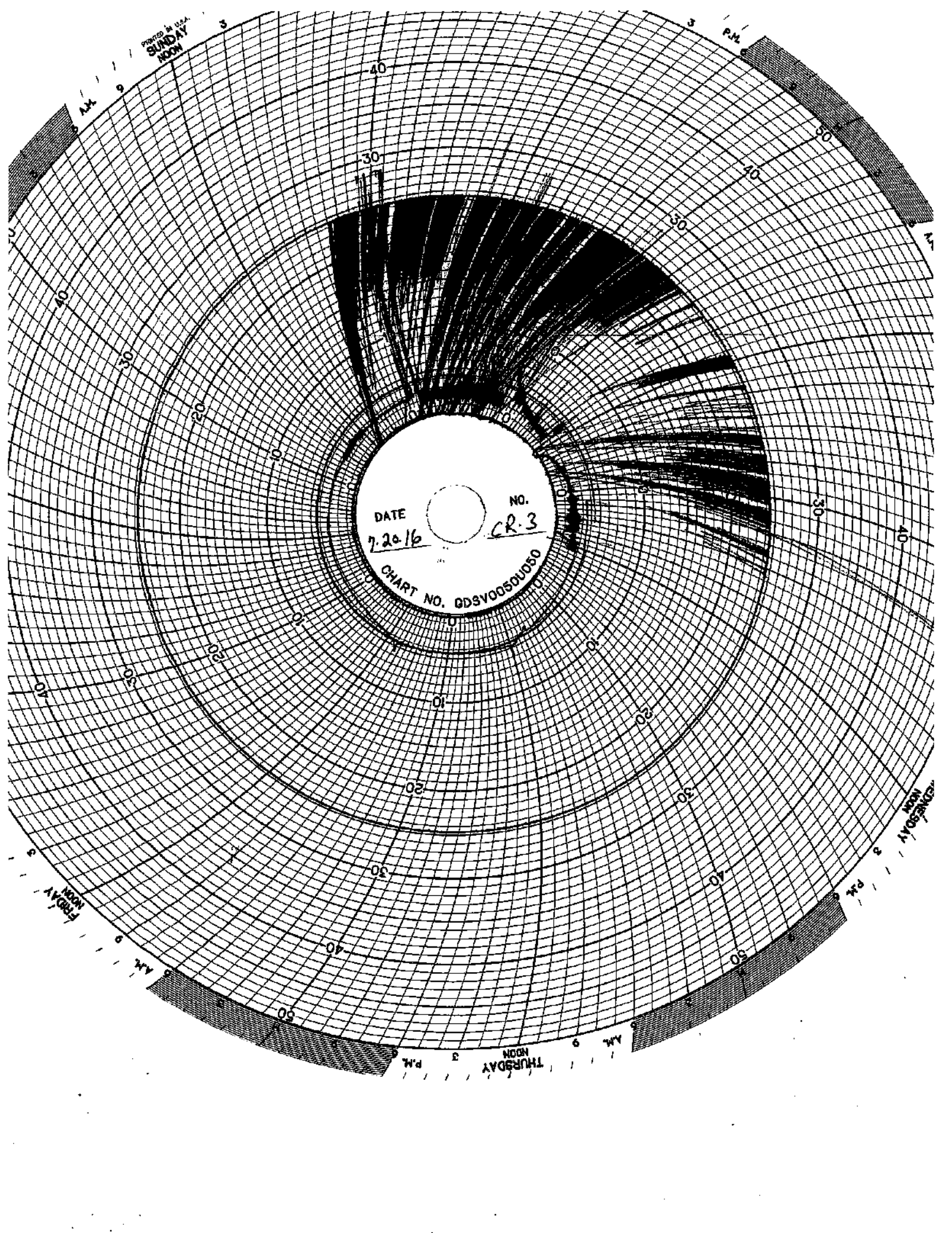
WINDS IN USE
SUNDAY
MOON

DATE 7-13-16 No. CR-3
CHART NO. GD9V0050U050



PRINTED IN U.S.A.
SUNDAY
NOON

DATE 7.20.16 NO. CR-3
CHART NO. 003V000500050



DATE 7.20.16

NO. CR-3

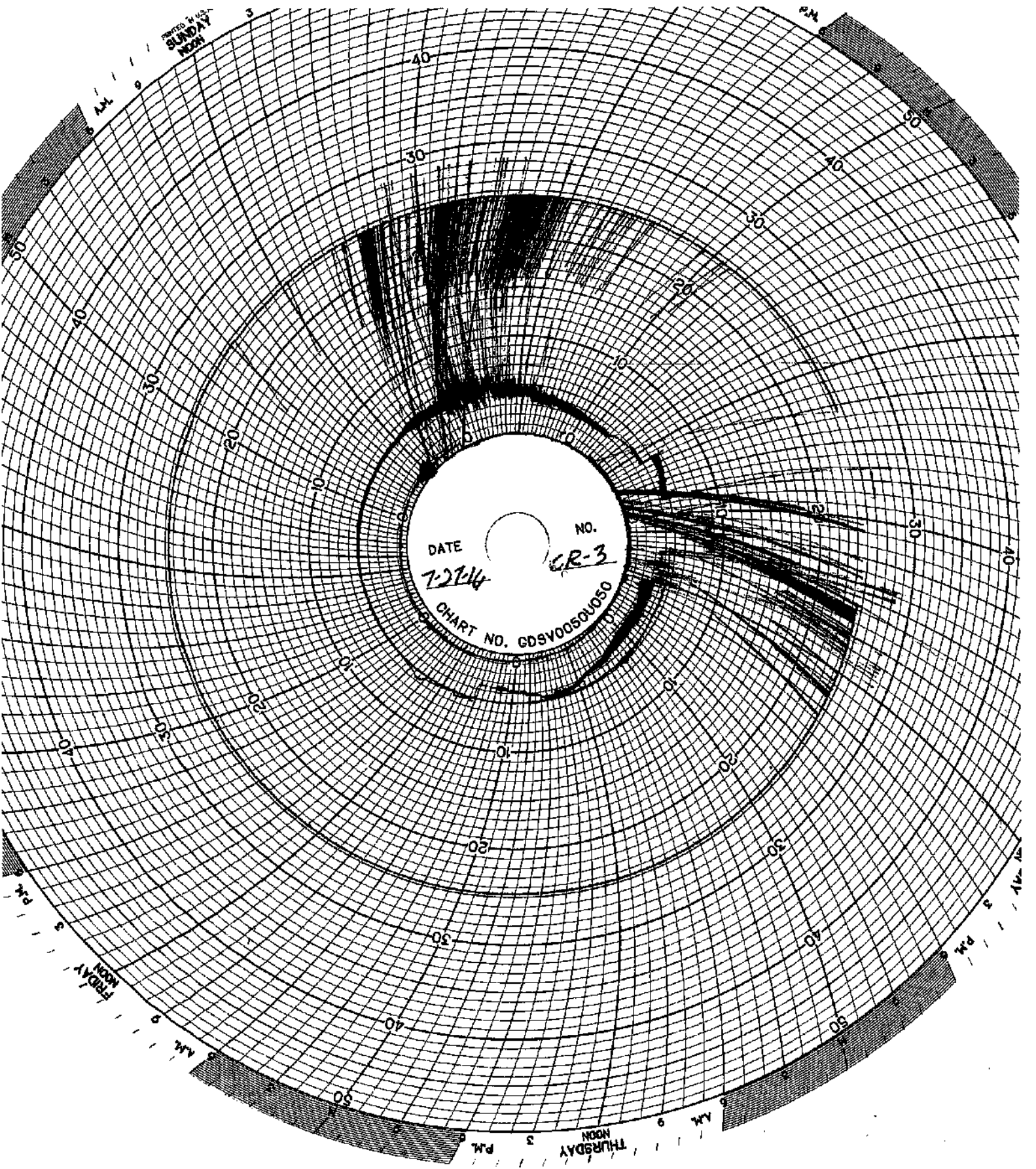
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FRIDAY
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PRINTED IN U.S.A.
SUNDAY
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DATE

7-21-44

NO.

CR-3

CHART NO. GDSV0050U050

MAINTENANCE LOG

UIC Monthly Maintenance Log

No maintenance performed in July

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

August 3, 2016

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 little but some 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

This coupon was missing from the mount. The coupon had experienced substantial corrosion. A new coupon was installed and is clean and smooth with a light sandblasted texture and is silver in color.



Progress Through Innovation, Technology and Customer Satisfaction

October 22, 2015

- TEST REPORT -

PN 125322
PO 00154

PLASTICS TESTING DEPARTMENT

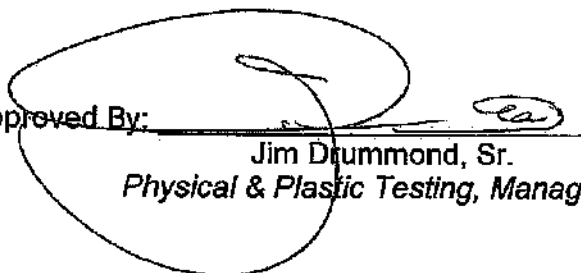
Prepared For:

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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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

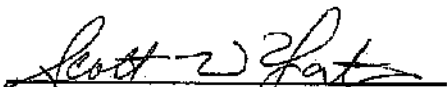
96

Prepared By:


Melissa Martin
Sr. Project Technician

to

Approved By:


Scott W. Yates
Plastics Testing Assistant Manager

Ghesquiere Plastic Testing, Inc.

20460 HARPER AVENUE
HARPER WOODS, MI 48226
PHONE (313) 885-3535
FAX (313) 885-1771

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

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

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

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

WORK PERFORMED:

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

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

RESULTS:

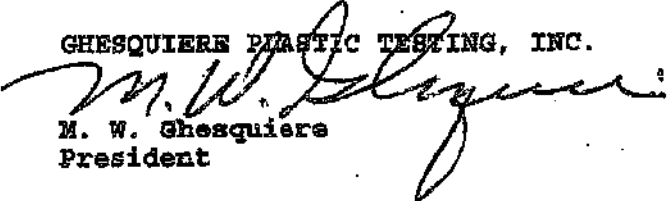
The following determination was made based upon the above test:

BARCOL HARDNESS

	<u>Hardness</u>
Specimen 1	90

Specimen is being returned with this report for further evaluation.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

DWG/kni

GHESEQUIERE PLASTIC TESTING, INC.

20480 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (813) 885-3535
FAX (813) 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.

GHESEQUIERE PLASTIC TESTING, INC.


M. W. Ghesquiere
President

MWG/dm

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TOTAL 1 PAGES

Ghesquiere Plastic Testing, Inc.

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

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

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

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

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

WORK PERFORMED:

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

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

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

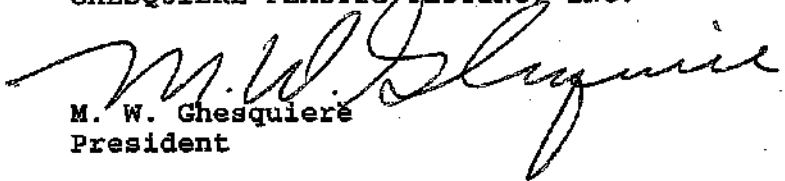
Specimen 1

Hardness

85

Specimen was returned to the client June 16, 2014.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/dm

October 2, 2014

- TEST REPORT -

PN 118325

PO Attn: John Frost

PLASTICS TESTING DEPARTMENT

Prepared For:

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

Prepared By:

Melissa Martin
Sr. Project Technician

Approved By:

Jim Drummond
Physical & Plastics Testing, Manager



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

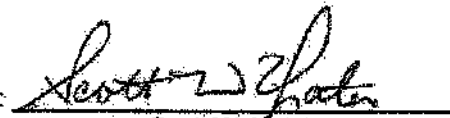
Prepared By:



Melissa Martin
Sr. Project Technician

st

Approved By:



Scott W. Yates
Plastics Testing Assistant Manager

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**CORROSION MONITORING PLAN
COUPON SUMMARY**

Date	Hastelloy (C267)	Stainless Steel (316L)	Fiberglass (Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7.306 g	
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	
6/30/2014	13.321 g	10.337 g	7.196 g	
7/11/2014	13.323 g	10.304 g	7.196 g	
8/12/2014	13.328 g	10.045 g	7.182 g	
9/17/2014	13.321 g	9.997 g	7.090 g	
10/30/2014	13.321 g	9.387 g	7.075 g	
11/21/2014	13.320 g	9.386 g	7.069 g	
12/19/2014	13.321 g	9.315 g	7.084 g	
1/12/2015	13.321 g	9.289 g	7.063 g	
2/23/2015	13.339 g	9.286 g	7.005 g	
3/31/2015	13.339 g	9.286 g	7.005 g	
4/27/2015	13.335 g	9.130 g	6.852 g	
5/21/2015	13.336 g	9.124 g	6.809 g	
6/12/2015	13.334 g	9.126 g	6.819 g	
7/27/2015	13.337 g	9.127 g	6.818 g	
8/26/2015	13.337 g	9.022 g	6.780 g	
9/21/2015	13.336 g	8.987 g	6.792 g	
10/19/2015	13.335 g	8.985 g	6.797 g	
11/16/2015	13.334 g	8.982 g	6.788 g	
12/17/2015	13.334 g	8.933 g	6.791 g	
1/29/2016	13.334 g	8.931 g	6.788 g	
2/16/2016	13.332 g	8.799 g	6.757 g	
3/31/2016	13.339 g	9.286 g	7.005 g	
4/22/2016	13.333 g	8.590 g	6.744 g	
5/31/2015	13.334 g	6.084 g	6.784 g	
6/30/2016	13.328 g	10.942 g	6.793 g	New stainless steel coupon
8/3/2016	13.326 g	10.529 g	6.743 g	

**INJECTION
FINGERPRINTS**

AVERAGE INJECTION RATE

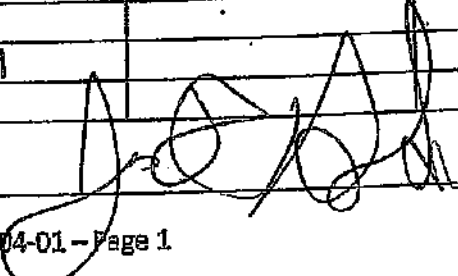
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/1/16
Receiving ID#	107011601
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	S.T.
Sampled by	ML

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.)	1.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	3.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	77°F		
Conductivity	78.7 μS		
% Solids	3.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

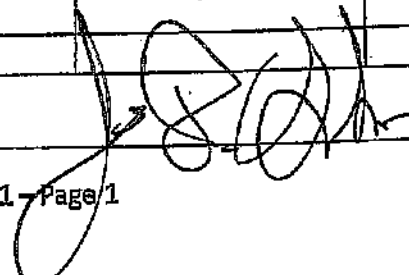
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/5/16
Receiving ID#	LD7051602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	J.H.

COPY

Compatible? (RT#)	(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	1.12	TDS	(6.1) %
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	78°F		
Conductivity	123.3 mS		
% Solids	6.1		
Turbidity	Yes No		
Color (visual)			
TSS (%)	50.1		
Radiation Screen (as needed)			
Lab Signature			

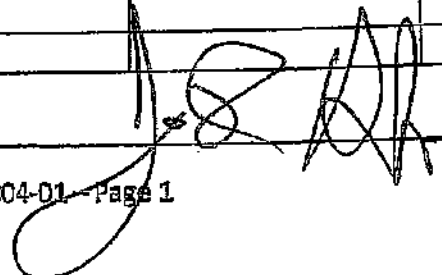
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RECEIVING & APPROVAL FORM

Date	7/5/16
Receiving ID#	LD051601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by**	J.H.

COPY

PHYSICAL DESCRIPTION		CHEMICAL ANALYSIS	
Compatible? (RT#)	(Yes) No	Barium	
PCEs (ppm)(Oil Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	0.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.20	TDS	9.67
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	76°F		
Conductivity	192.8mS		
% Solids	9.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	50.1		
Radiation Screen (as needed)			
Lab Signature			

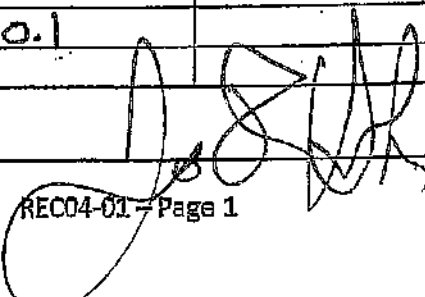
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/6/16
Receiving ID#	167661602
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	ML

COPY

Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oil Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	7.72
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	84°F		
Conductivity	158.4 mS		
% Solids	7.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

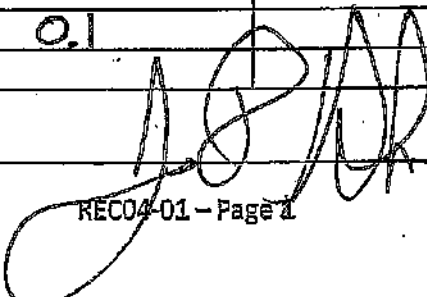
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RECEIVING & APPROVAL FORM

Date	7/6/16
Receiving ID#	T07061601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	ST

COPY

GENERAL INFORMATION		CONTAMINANTS	
Compatible? (RT#)	Yes No	Barium	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	2140	Magnesium	
pH (S.U.)	1.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	4.09
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	80°F		
Conductivity	81.9 mS		
% Solids	4.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			

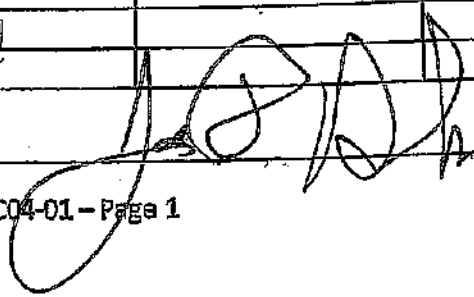
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/7/16
Receiving ID#	T07071603
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	S.H.
Sampled by	ML

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	1.10	TDS	3.5%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	84°F		
Conductivity	70.6 μS		
% Solids	3.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	20.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	7-7-16
Receiving ID#	I07010602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>DLL</i>
Sampled by	<i>ALL</i>

COPY

PHYSICAL CHARACTERISTICS		CHEMICAL ANALYSIS	
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.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	10.7%
Physical Description		Resistivity	
Stream Consistency	Yes <input type="radio"/> No <input type="radio"/>	Sulfate	
Oil In Sample	Yes <input type="radio"/> No <input type="radio"/>		
Temperature	80°F		
Conductivity	107.1 us		
% Solids	10.7		
Turbidity	Yes <input type="radio"/> No <input checked="" type="radio"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	<i>[Signature]</i>		

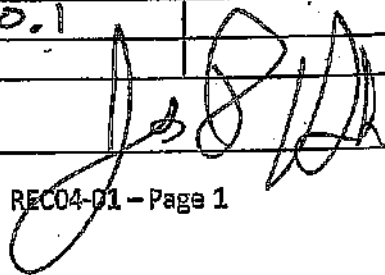
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	7/7/16
Receiving ID#	107071601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	SB

COPY

Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CG Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	14.57
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	73°F		
Conductivity	288.0mS		
% Solids	14.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

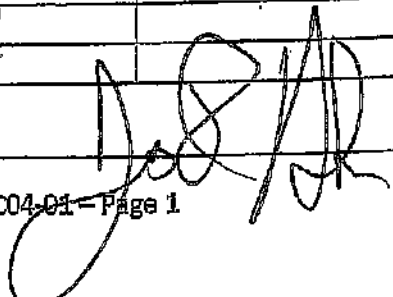
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/8/16
Receiving ID#	107081602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BT

COPY

Compatible? (RT#)	(Yes) No	Barium	
PCEs (ppm)(Oil 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	1.07	TDS	2.27
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	81°F		
Conductivity	44.1 mS		
% Solids	2.2		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

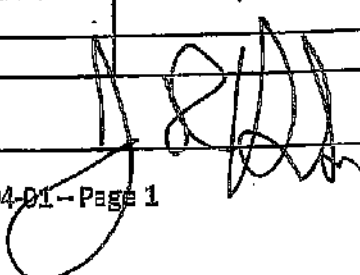
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/8/16
Receiving ID#	07081601
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JP

COPY

Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CG Waste Only)?		Total Iron	
Flash Point (°F)	>146	Magnesium	
pH (S.U.)	1.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	4.0%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	81°F		
Conductivity	80.2 mS		
% Solids	4.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

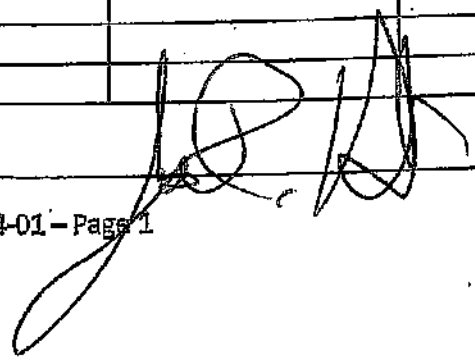
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/11/16	
Receiving ID#	10711600	
Manifest# Line:		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	OHL	
Sampled by	PP	

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		TDS	4.5%
Physical Description	LOB	Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	79°F		
Conductivity	90.8 mS		
% Solids	4.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

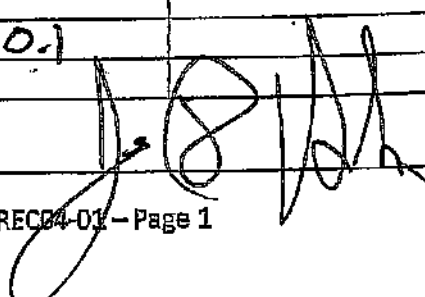
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/11/10
Receiving ID#	10711601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.T.
Sampled by	JP

COPY

GENERAL INFORMATION		ANALYSIS 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.)	1.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	4.49
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	78°F		
Conductivity	87.7 μS		
% Solids	4.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/12/16
Receiving ID#	0712160
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	S.H.
Sampled by	[Signature]

COPY

ANALYTICAL		OFFICIAL USE ONLY	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TGC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	3.2%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	78°F		
Conductivity	64.4 μS		
% Solids	3.2		
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	7/12/16	7/12/16
Receiving ID#	T07121601	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	S.H.	
Sampled by	[Signature]	

COPY

ANALYSIS INFORMATION	TEST RESULTS	TEST RESULTS	
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.)	1.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	4.0%
Physical Description		Resistivity	
Stream Consistency	<input type="radio"/> Yes <input type="radio"/> No	Sulfate	
Oil in Sample	<input type="radio"/> Yes <input type="radio"/> No		
Temperature	76°F		
Conductivity	78.9 mS		
% Solids	4.0		
Turbidity	<input type="radio"/> Yes <input type="radio"/> No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

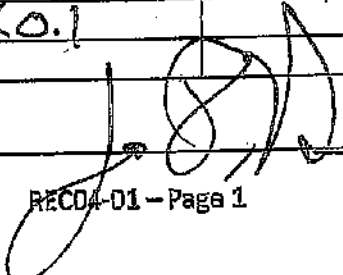
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	7/13/16
Receiving ID#	T07131602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H. O.H.
Sampled by	

COPY

ANALYSIS INFORMATION		CHEMICAL ANALYSIS	
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.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	4.37
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	86.0 mS		
% Solids	4.3		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

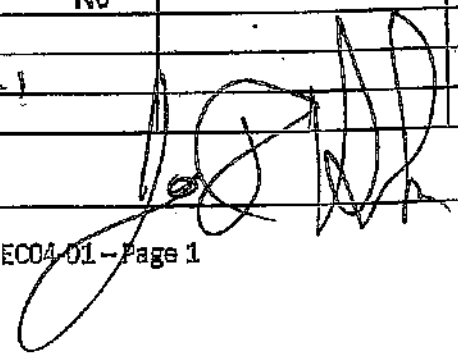
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/13/16
Receiving ID#	I07131601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	JH
Sampled by	BT

COPY

WASTE CHARACTERISTICS		CHEMICAL 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.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	7.52
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	72°F		
Conductivity	149.7 mS		
% Solids	7.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

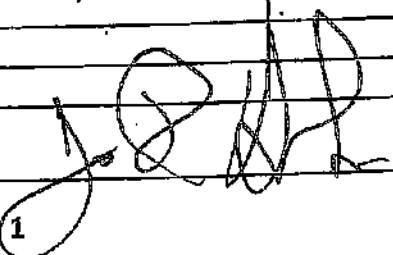
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	7/14/16
Receiving ID#	I07141602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.F.
Sampled by	J.F.

COPY

TEST RESULTS		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.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	6.9%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	135.8 mS		
% Solids	6.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

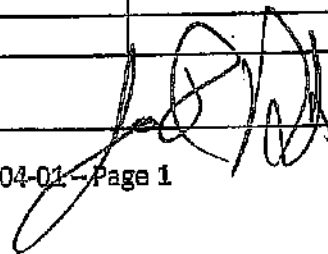
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/14/16
Receiving ID#	ID 7141601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	BP

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.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	15.5 ?
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	309 μS		
% Solids	15.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

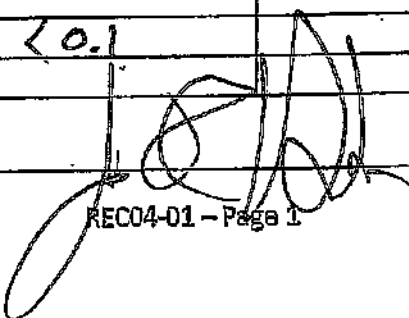
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/15/16	
Receiving ID#	E67151603	
Manifest# Line:		
Land Ban Cert Included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time In		
Time out		
Received by	J.H.	
Sampled by	D.S.S.	

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.)	0.5		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.10		TDS	21.27
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil In Sample	Yes	No		
Temperature	72°F			
Conductivity	> 400.0 mS			
% Solids	21.2			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< 0.1			
Radation Screen (as needed)				
Lab Signature				

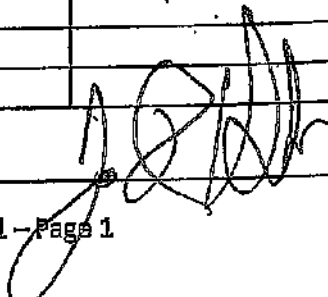
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/15/16
Receiving ID#	E07151602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.F.
Sampled by	

COPY

ANALYSIS	RESULTS	ANALYSIS	RESULTS
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.)	1.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	4.22
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	72°F		
Conductivity	82.8 mS		
% Solids	4.2		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radation Screen (as needed)			
Lab Signature			

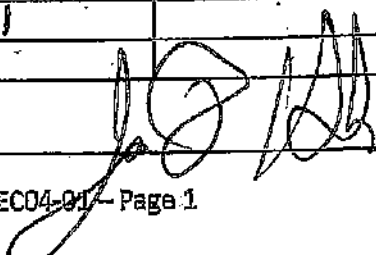
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/15/16
Receiving ID#	107151601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	8/

COPY

Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TCC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	7140	Magnesium	
pH (S.U.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	9.7%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	193.7mS		
% Solids	9.7		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

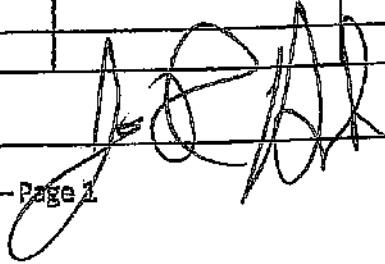
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7-18-16
Receiving ID#	I07101602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH
Sampled by	JH

COPY

PHYSICAL DESCRIPTION		CHEMICAL 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.)	0.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.18	TDS	9.4%
Physical Description		Reactivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	187.8 mS		
% Solids	9.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

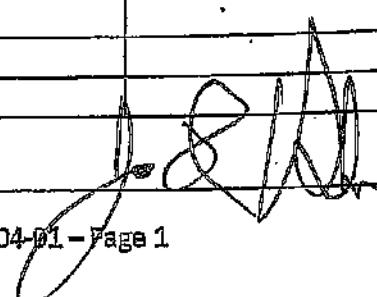
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7-18-16
Receiving ID#	L07181601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	J.H.

COPY

Compatible? (RT#)	(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	1.19	TDS	9.47
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	182.7ms		
% Solids	9.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

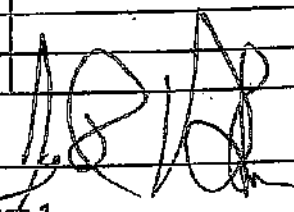
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/19/14
Receiving ID#	107191602
Manifest# Line:	
Leak Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. H.
Sampled by	D. H.

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	1.18	TDS	15.9%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	73°F		
Conductivity	319.2 μS		
% Solids	15.9		
Turbidity	Yes No		
Color (Visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

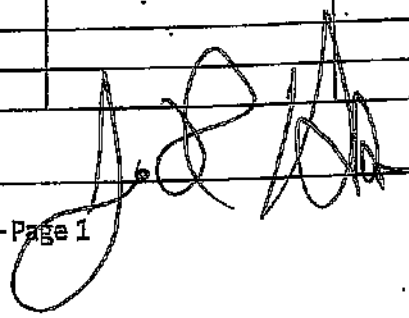
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7-19-16
Receiving ID#	107191601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	G.H.
Sampled by	AS

COPY

PHYSICAL DESCRIPTION		CHEMICAL 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.)	0.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.21	TDS	8.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	174.4 μS		
% Solids	8.8		
Turbidity	Yes No		
Color (Visual)			
TSS (%)	10.1		
Radiation Screen (as needed)			
Lab Signature			

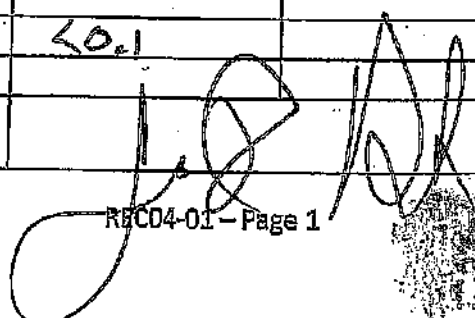
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7-20-16
Receiving ID#	I 07201601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	D.H.

COPY

PROPERTY	TEST RESULTS	PROPERTY	TEST RESULTS
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.)	0.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.20	TDS	6.97
Physical Description		Resistivity	
Stream Consistency	Yes <input type="radio"/> No <input type="radio"/>	Sulfate	
Oil in Sample	Yes <input type="radio"/> No <input type="radio"/>		
Temperature	82°F		
Conductivity	138.7 μS		
% Solids	6.9		
Turbidity	Yes <input type="radio"/> No <input type="radio"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/24/16
Receiving ID#	107211601
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	<i>[Signature]</i>

COPY

Physical Properties	Chemical Properties
Compatible? (RT#)	Barium
PCBs (ppm)(Oily Waste Only)?	Calcium
TGC (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
Physical Description	Resistivity
Stream Consistency	Sulfate
Oil in Sample	
Temperature	
Conductivity	
% Solids	
Turbidity	
Color (visual)	
TSS (%)	
Radiation Screen (as needed)	
Lab Signature	<i>[Signature]</i>

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/22/16
Receiving ID#	F172216D1
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	<i>[Signature]</i>

COPY

Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.0	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	5.2.7.
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	78°F		
Conductivity	103.1 μ S		
% Solids	5.2		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	<i>[Signature]</i>		

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	2/25/16
Receiving ID#	107351601
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		POINT MEASUREMENT	
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	1.11	TDS	5.17
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	82°F		
Conductivity	102.8 μS		
% Solids	5.1		
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	7/26/16
Receiving ID#	107261601
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

COPY

FINGERPRINT		ANALYSIS DATA	
Compatible? (RT#)	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CG 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	1.14	TDS	8.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	78°F		
Conductivity	175.7 mS		
% Solids	8.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	<i>[Signature]</i>		

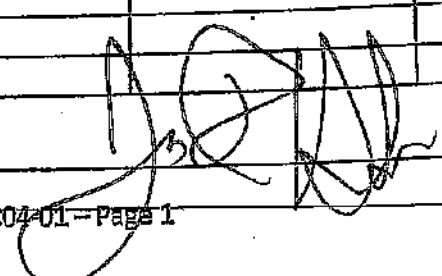
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/28/16	
Receiving ID#	E67281604	
Manifest#	Line:	
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	
Sampled by	J.F.	

COPY

TEST INFORMATION		CONTAMINANTS	
Compatible? (RT#)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Barium	
PCEs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.12	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	80°F		
Conductivity	1605.5		
% Solids	8.0		
Turbidity	Yes <input type="checkbox"/> No <input type="checkbox"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

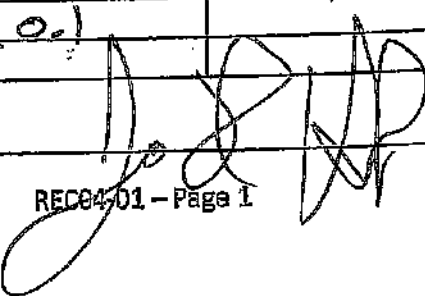
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/28/16
Receiving ID#	T07281603
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	G.H.
Sampled by	GH

COPY

Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oil Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	13.27
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	80°F		
Conductivity	263.7mS		
% Solids	13.2		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

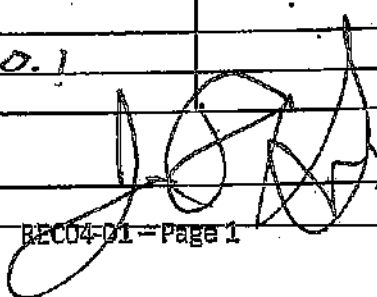
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/28/16
Receiving ID#	L67281602
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	D.H.
Sampled by	CK

COPY

ANALYSIS	UNIT	RESULT	UNIT	RESULT
Compatible? (RT#)	Yes No	Barium		
PCEs (ppm)(Oily Waste Only)?		Calcium		
TOC (ppm)(CC Waste Only)?		Total Iron		
Flash Point (°F)	> 140	Magnesium		
pH (S.U.)	0.1	Sodium Chloride		
Cyanides? (mg/L)		Bicarbonate		
Sulfides? (ppm)		Carbonate		
Specific Gravity	1.07	TDS		13.17
Physical Description		Resistivity		
Stream Consistency	Yes No	Sulfate		
Oil In Sample	Yes No			
Temperature	75°F			
Conductivity	261.8 mS			
% Solids	13.1			
Turbidity	Yes No			
Color (visual)				
TSS (%)	< 0.1			
Radiation Screen (as needed)				
Lab Signature				

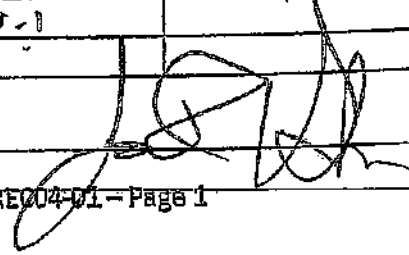
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/28/16
Receiving ID#	I-728114
Manifest# Line:	
Lead Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	J.H.
Sampled by	G.K.

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.)	0.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonates	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.19	TDS	9.82
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	74°F		
Conductivity	196.5 μS		
% Solids	9.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/29/16
Receiving ID#	107291603
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time In	
Time out	
Received by	<i>[Signature]</i>
Sampled by	<i>[Signature]</i>

COPY

Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.0	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	82°F		
Conductivity	118.9 µS		
% Solids	6.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	<i>[Signature]</i>		

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

Date	7/29/16
Receiving ID#	107291602
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

PROPERTY INFORMATION		ANALYSIS INFORMATION	
Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oil Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.15	TDS	7.9%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	81°F		
Conductivity	157.8 µS		
% Solids	7.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

**WASTE STREAMS
CHARACTERIZATIONS**

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00959**

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID: [REDACTED]
 Facility: [REDACTED] SIC/NAICS Code: [REDACTED] State Code: [REDACTED]
 City: [REDACTED] St: [REDACTED] C: [REDACTED]
 Contact: [REDACTED] Fax: () [REDACTED]
 BILLING: [REDACTED] SAME AS ABOVE
 Company: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED]
 Attention: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: **Ceramic Slurry with Citric Acid and Sodium Hydroxide Process Generating**
 Waste (Please be specific, incomplete information may delay the approval process): **Ceramic Slurry wash water dilute citric acid solution and dilute sodium hydroxide solution used in the production of ceramic coatings. Wastes of varying pH's were mixed together resulting in a solution with an unintentionally high pH.**

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input checked="" 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>070516</i>
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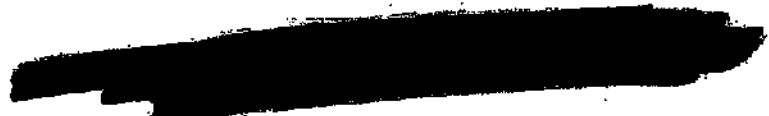
pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5

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

VOG CONCENTRATION - <1 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	55	80%	Colloidal Silica / fused silica flour	10	10
Zirconium Flour	5	15%	Citric Acid	2	5
Sodium Hydroxide	2	5%			
		%			
		%			



REQUIRED TURNAROUND: (include var)		PROJECT NUMBER:		Analysis Requested		REPORT RESULTS TO:	
Lead: 1-3 business days (verify with lab)		E.O. NUMBER / QUOTE #		Sample No.			
Revised: 5 business days		7938171 FLE					
Standard: 10 business days		# of Containers					
ABB. ID#	Sample Description	Date Sampled	Time Sampled	# of Containers			
1)	U70-4-SF	9-1-10					
2)	Carminic Slurry						
3)	of Citric acid 2100g/200ml						
4)							
5)							
6)	Rejection - pH levels too high						
7)							
8)							
9)							
10)							
11)							

PHONE:
FAX:
ABBREVIATIONS FOR MATRIX
S = Solids A = Air
U = Sludge Q = Aqueous
Comments:

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analysis.

(1) Requested by:	(1) Date / Time:
(2) Replenished by:	(2) Date / Time:
(3) Replenished by:	(3) Date / Time:

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile
Profile # **00960**

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID: [REDACTED]
Facility Address: [REDACTED] SIC/NAICS Code: [REDACTED] State Code: [REDACTED]
Contact: [REDACTED]

BILLING INFORMATION

Company: [REDACTED]
Address: [REDACTED]
City: [REDACTED]
Attention: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: Acid lab pack

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

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other, <u>Varies</u>	Suspended Solids: <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4 Exact / Other _____	<i>acceptable</i> <i>070616</i>
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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 - 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
See lab pack list	-	%		-	%
	-	%		-	%
	-	%		-	%
	-	%		-	%
	-	%		-	%

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 checked="" type="checkbox"/> TOTAL	
	Not Present	Concentration	Not Present	Concentration
PCB	X	_____ ppm	Aromatic Amine	X _____ ppm
Dioxins	X	_____ ppm	Pesticides	X _____ ppm
Cyanides Reactive	X	_____ ppm	Rodenticides	X _____ ppm
Cyanides Total	X	_____ ppm	Fungiicides	X _____ ppm
Sulfides Reactive	X	_____ ppm		
Sulfides Total	X	_____ ppm	Arsenic (As)	D004 X < 5 ppm _____ ppm
			Barium (Ba)	D003 X < 100 ppm _____ ppm
			Cadmium (Cd)	D008 X < 1 ppm _____ ppm
			Chromium (Cr)	D007 X < 6 ppm _____ ppm
			Lead (Pb)	D008 X < 6 ppm _____ ppm
			Mercury (Hg)	D009 X < 0.2 ppm _____ ppm
			Selenium (Se)	D010 X < 1 ppm _____ ppm
			Silver (Ag)	D011 X < 6 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
- NESHAIP 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: UN1760, Waste corrosive liquids, N.O.S. (phosphoric & sulphuric Acid) Hazard Class 3 UN 1760
- PG II ERG 154 Hazardous Constituents for "n.o.s." Phosphoric & sulphuric acid
4. Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
5. Number of Units to Ship Now: 1 drum
6. Anticipated Volume / Units per Year: _____ or X One Time
8. Special Handling Requirements including PPE: _____

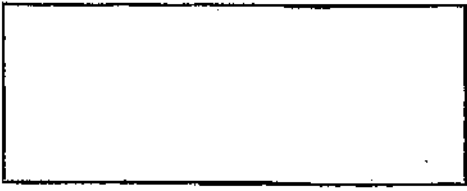
CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted as to make this information misleading. I understand that others may rely on this representation and warranty in the handling and processing of the waste material described herein. If 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 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
---------------------------------	------	------	-----------------------------	------	------

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00961**

GENERATOR INFORMATION

Name: [REDACTED]

Facility: [REDACTED]

City: [REDACTED]

Contact: [REDACTED]

BILLING INFORMATION

SAME AS ABOVE

Company Name: [REDACTED]

Address: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: Caustic Liquids Lab pack

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

Facility shut down

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: DD02

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other_Varies	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-8 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other _____	<i>acceptable</i> <u>070616</u>
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pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
See lab pack (Attached MSDS)	-	%		-	%
	-	%		-	%
	-	%		-	%
	-	%		-	%
	-	%		-	%

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

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

- | | | | | | |
|---|--|-------------------------------------|---|---|---|
| <input type="checkbox"/> Radioactive | <input type="checkbox"/> Water Reactive | <input type="checkbox"/> Oxidizer | <input type="checkbox"/> Shock Sensitive | <input type="checkbox"/> Reactive (other) | <input type="checkbox"/> DOT Explosives |
| <input type="checkbox"/> NIOSH Human-Positive Carcinogens | <input type="checkbox"/> NESHAP Wastes (Benzene, etc.) | <input type="checkbox"/> Biological | <input checked="checked" type="checkbox"/> 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 UN1760, Waste corrosive liquids, N.O.S. (Sodium hydroxide & potassium hydroxide) Hazard Class 8 UN# 1760
- PG II ERG 134 Hazardous Constituents for "n.o.s." Sodium hydroxide & Potassium hydroxide
- Method of Shipment: Bulk Tanker Vae truck Rail Car Drums Totes
- Number of Units to Ship Now: 1 drums 6. Anticipated Volume / Units per Year: _____ or X 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 GENERATORS WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 281-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

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

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

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

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

*
* MATERIAL SAFETY DATA SHEET
*

* Product Name or Number (as it appears on the label)
*

* BLUE RIBBON CLEAR AMMONIA
*

* | Section I - Product Identification |
*

* Manufacturer's Name	Date
* Patterson Laboratories, Inc.	March 30, 1990
* Address (No, Street, City, State & Zip Code)	Emergency Telephone No.
* 11930 Pleasant Avenue	1-313-782-2234, 1-313-283-1192
* Detroit, MI 48217	Telephone No. for Information
	1-313-843-4500

* Material Safety Data Sheet ID # 283000
*

* | Section II - Hazardous Ingredients |
*

* Hazardous Components * (Specific Chemical * Identity, Common Name)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTIONAL
* Ammonia (AS NH3)	50ppm	25ppm	NIOSH	█
* *(Ammonia Gas)			50 ppm*	█
* HOUSEHOLD AMMONIA- * FINISH PRODUCT	NA	NA		

*
*

* | Section III - Physical Data |
*

* Boiling Point 191-212.F	Specific Gravity (H2O=1) - 0.9890
* Vapor Pressure - NA	Melting Point - NA
* Vapor Density (Air=1) - NA	Evaporation Rate (but. ace.=1) - 1
* Solubility in Water - Complete	Appearance and Odor - Clear, cloudy white or colored liquid with distinct ammonia odor

*
*

* | Section IV - Fire & Explosion Hazard Data |
*

* Flash Point (Method Used)	Flammable Limits	LEL 16%	UEL 27%
* Non-flammable		AS NH3	AS NH3

* █

* Extinguishing Media:
* Dry chemical, carbon dioxide, water spray or foam.
*

* Special Fire Fighting Procedures

* If possible, move product from fire area. Cool fire-exposed containers
* with water spray.

* Unusual Fire And Explosion Hazards

* Negligible fire and explosion hazard, however, if ammonia is evolved, it
* is flammable.
*
*
*
*
*

Section V - Reactivity Data

* Material is stable. Conditions to avoid: Heat
 * Hazardous polymerization: Will not occur
 * Incompatibility (Materials to Avoid): Chlorine, bromine, iodine, hypochlorite, mineral acids, violent reactions may occur with incompatible material, releasing irritating or toxic gases.
 * Hazardous Decomposition or Byproducts: Toxic oxides of nitrogen and ammonia gas.

Section VI - Health Hazard Data

* Route (s) of Entry: Inhalation X Skin X Ingestion X
 * Health Hazards (Acute and Chronic): Acute - Based on the testing of this product in animals, it is both an eye and skin irritant (rabbit) and toxic by ingestion (rat). Chronic - Not determined on this product.
 * Carcinogenicity: NTP IARC MONOGRAPHS OSHA REGULATED
 * N/A N/A N/A
 * Not determined for finished product or ammonia (NH3), the hazardous component, in the product.
 * Signs and Symptoms of Exposure: Ammonia (AS NH3) is the hazardous ingredient in the finished product. The effects described represent the "worst case" scenario. INHALATION: Mild exposure to ammonia vapors may cause irritation of the nose, throat, coughing and sneezing. A more severe exposure may cause respiratory irritation, dyspnea, pulmonary edema. Repeated or prolonged exposure to vapors may cause, in addition to irritation, bronchitis and pneumonia. INGESTION: May cause excessive salivation, nausea, vomiting, gastric irritation with chances of perforation. Ingestion of large quantities may produce CNS depression, shock and convulsions. SKIN: Powerful irritant, may cause severe burning pain and corrosive damage. Repeated or prolonged exposure may cause dermatitis. EYES: Powerful irritant, may cause conjunctivitis, swelling of eyelids, chemical burns, transient corneal damage, repeated or prolonged exposure may cause cataracts and retinal atrophy.
 * Medical conditions generally aggravated by Exposure: None known
 * Emergency and First Aid Procedures: EYES- Immediately flush eyes with water for at least 15 minutes. Get prompt medical attention. SKIN- Rinse well with water. If irritation persists, contact physician or local poison control center. INHALATION- Remove victim to fresh air. Provide symptomatic and supportive care. Contact physician or local poison control. INGESTION- Immediately give large amounts of water or milk to dilute. DO NOT induce vomiting. Get prompt medical attention.

Section VII - Precautions for Safety Handling and Use

* Spill/Leak Procedure: EYE PROTECTION - Avoid eye contact. Wear protective safety goggles or face shield. SKIN - Avoid prolonged or repeated skin contact. Wear protective gloves. RESPIRATORY - Keep upwind of spill. Avoid breathing vapors. Use NIOSH approved respirator that will provide protection from ammonia gas. If ammonia vapors >300 PPM use self-contained breathing apparatus with full face shield.
 * Waste Management/Disposal: Dilute with water and flush to sewer in accordance with Federal, state and Local Environmental regulations.
 * Precautions to be taken in Handling and Storing: Do not mix with other house-

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 3 Flammability = 0 Reactivity = 0
HMIS RATING: Health = 3 Flammability = 0 Physical Hazard = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION *(511N-56A)

Manufacturer's Name: HILLYARD INDUSTRIES **Product Name:** RENOVATOR
Address: 302 North Fourth Street **Date Prepared:** May 20, 2011 (version 2)
 St. Joseph, MO 64501 **Prepared by:** Regulatory Affairs Department
Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.) **Other information calls:** (816) 233-1321 (Ext. 8285)
<http://www.hillyard.com>

SECTION II – INGREDIENTS/IDENTITY INFORMATION**Components**

(Specific Chemical Identity): Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Sodium metasilicate ⁽¹⁾	6834-92-0	N/E	N/E	2 mg/M ³	5-10
Ethanolamine ⁽²⁾	141-43-5	3 ppm	3 ppm	N/A	4-6
Water	7732-18-5	none	none	N/A	---
Benzyl alcohol ⁽³⁾	100-51-6	none	none	N/A	---
Sulfonated oleic acid, potassium salt	68609-93-8	none	none	N/A	---

(1) Exposure may be elevated as ceiling for Sodium hydroxide per OSHA: PEL = 2 mg/M³ or TLV = 2 mg/M³.

(2) Regulated by OSHA and the following states: CA, CT, FL, ID, IL, LA, MA, ME, MN, NJ, PA, RI, WA, WI

(3) Regulated by the following states: PA, FL, MA.

N/A= Not Applicable N/E= Not Established

***SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: 194°F **Specific Gravity (H₂O = 1): 25°C =** 1.06 ***Density=** 8.82 lbs/gl
Vapor Pressure (mm Hg.): 17.1 ***Percent Volatile by Weight (%):** 90.5 – 91.5%
Vapor Density (AIR = 1): 0.7 **Evaporation Rate (ethyl ether = 1):** less than 1
Solubility in Water: appreciable **Appearance and Odor:** violet liquid; non-objectionable odor
pH (concentrate): 13-14

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None to boiling (T.C.C.) **Flammable Limits:** LEL = N/A UEL = N/A
Extinguishing Media: Water, dry chemical, alcohol foam or carbon dioxide.
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

SECTION V – PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N/A
Incompatibility (Materials to Avoid): Oxidizing materials
Hazardous Decomposition Products or Byproducts: None known to manufacturer
Hazardous Polymerization: Will not occur **Conditions to Avoid:** N/A

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Concentrate is corrosive to all body tissue with which it comes in contact.
2. Prolonged and repeated exposure to the skin may produce dermatitis. Inhalation of spray mist may result in varying degrees of irritation.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No **I.A.R.C. Monographs =** No **OSHA =** No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

SECTION VI – HEALTH HAZARD DATA cont.

Signs and Symptoms of Exposure: Concentrated product may produce skin and eye burns. Ingestion may produce burns of mucous membranes of the mouth, throat, esophagus and stomach.

Medical Conditions Generally Aggravated by Exposure: Skin problems such as industrial dermatitis.

Emergency and First Aid Procedures: In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes; remove contact lenses then flush eyes with water again. Wash clothing before reuse and thoroughly clean contaminated shoes. If swallowed do not induce vomiting; immediately give large amounts of water and CALL A PHYSICIAN, hospital emergency room or poison control center. Inhalation: remove victim to fresh air; if respiratory tract remains irritated call a physician.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Wear/use appropriate protective equipment. Small spills: Take up with wet vac, mop or non-combustible absorbent material and place into containers for later disposal. Rinse affected area thoroughly with water. Large spills: Dike far ahead of liquid spill for later pick-up and disposal.

Waste Disposal Method: Disposal of concentrate regulated by Federal Resource Conservation and Recovery Act as a corrosive waste (40 CFR 261.22). Disposal of regulated quantities should be neutralized at a permitted facility in accordance with federal/state/local regulations (corrosive waste - pH concentrate = 13-14). Waste from normal product use may be sewered to public-owned treatment works in compliance with applicable federal, state and local pretreatment requirements.

Precautions To Be Taken In Handling And Storing: Keep container closed when not in use. Triple rinse package (or equivalent). Then offer for recycling or reconditioning.

Other Precautions: Spray mist may produce respiratory irritation or damage without proper ventilation. Do not use with fog mist sprayer without respiratory protection. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Ventilate to keep air below TLV on metasilicate and monoethanolamine.

Ventilation:

Local Exhaust =	Recommended	Mechanical (General) =	Recommended	Special =	N/A	Other =	N/A
Protective Gloves:	Impervious gloves when working with concentrate	Eye Protection:	Chemical safety goggles when working with concentrate				

Other Protective Clothing or Equipment: Impervious to water and alkaline liquids where contact with concentrate is a concern.

Work / Hygienic Practices: Wash thoroughly after handling.

SECTION IX – TRANSPORTATION INFORMATION

Applicable regulations: DOT = No; IMCO = No; IATA = No

Proper shipping name: Cleaning compound

UN No.: not applicable **Limited Qty.:** not applicable **Hazard Class:** not applicable

Labels required: not required **DOT Exception:** not applicable

EPA Hazardous waste/number code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity =** yes; **Reactivity =** not applicable

DISCLAIMER OF WARRANTIES

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00963**

GENERATOR INFORMATION

Name: [REDACTED]
Facility: [REDACTED]
City: [REDACTED]
Contact: [REDACTED]

BILLING INFORMATION

NAME AS ABOVE

Company: [REDACTED]
Address: [REDACTED]
City: [REDACTED]
Att: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: Caustic Liquids/Floor Cleaner

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

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other_Varies	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input checked="" type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.6-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other _____	<i>acceptable</i> 070616
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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
See sds	-	%		-	%
	-	%		-	%
	-	%		-	%
	-	%		-	%
	-	%		-	%

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	X	_____ ppm	Aromatic Amines	X	_____ ppm	Arsenic (As)	D004	X < 5	ppm	_____ ppm
Dioxins	X	_____ ppm	Pesticides	X	_____ ppm	Barium (Ba)	D005	X < 100	ppm	_____ ppm
Cyanides Reactive	X	_____ ppm	Rodenticides	X	_____ ppm	Cadmium (Cd)	D006	X < 1	ppm	_____ ppm
Cyanides Total	X	_____ ppm	Fungioides	X	_____ ppm	Chromium (Cr)	D007	X < 5	ppm	_____ ppm
Sulfides Reactive	X	_____ ppm				Lead (Pb)	D008	X < 5	ppm	_____ ppm
Sulfides Total	X	_____ ppm				Mercury (Hg)	D009	X < 0.2	ppm	_____ ppm
						Selenium (Se)	D010	X < 1	ppm	_____ ppm
						Silver (Ag)	D011	X < 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 UN1780, Waste corrosive liquids, N.O.S. (sodium hydroxide and potassium hydroxide) Hazard Class 8 UN# 1760
- PG II ERG 154 Hazardous Constituents for "n.o.s." Sodium hydroxide & Potassium hydroxide
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: 1 drums 6. Anticipated Volume / Units per Year: _____ or X 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 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.

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

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

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

DN

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 2 Flammability = 0 Reactivity = 0
 HMIS RATING: Health = 2 Flammability = 0 Physical Hazard = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (533N-09A)

Manufacturer's Name: HILLYARD INDUSTRIES Product Name: ASSURANCE
 Address: 302 North Fourth Street Date Prepared: May 20, 2011 (version 2)
 St. Joseph, MO 64501 Prepared by: Regulatory Affairs Department
 Emergency Telephone No.: (800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.) Other information calls: (816) 233-1321 (Ext. 8285)
<http://www.hillyard.com>

SECTION II -- INGREDIENTS/IDENTITY INFORMATION

Components

(Specific Chemical Identity: Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	ACGIH RECOMMENDED	%
Water	7732-18-5	none	none	N/A	--
Sodium Metasilicate ⁽¹⁾	6834-92-0	N/E	N/E	2 mg/m ³	3-8
Sodium Carbonate	497-19-8	N/E	N/E	N/A	--
Akyl imino acid, sodium salt	64972-19-6	N/E	N/E	N/A	--
Complex Blend of Surfactants	68991-48-0, 68439-46-3	N/E	N/E	N/A	--

(1)Exposure may be evaluated as ceiling for Sodium hydroxide per OSHA: PEL = 2 mg/m³ or TLV = 2 mg/m³.
 N/A= Not applicable N/E= Not Established

***SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: 215°F Specific Gravity (H₂O = 1): 25°C = 1.08 *Density= 8.99 lbs/gi
 Vapor Pressure (mm Hg.): 17.6 Percent Volatile by Weight (%): 87.5 – 88.5 %
 Vapor Density (AIR = 1): 0.6 Evaporation Rate (ethyl ether = 1): slower than 1
 Solubility in Water: complete Appearance and Odor: Clear, orange liquid; lemon odor
 *pH (concentrate) = 13 - 14

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None to boiling (Tag Closed Cup) Flammable Limits: LEL = N/A UEL = N/A
 Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray
 Special Fire Fighting Procedures: None known to manufacturer.
 Unusual Fire and Explosion Hazards: None known to manufacturer.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: None known to manufacturer
 Incompatibility (Materials to Avoid): Avoid strong oxidizing agents. Do not use with aluminum equipment at temperatures above 120°F.
 Hazardous Decomposition Products or Byproducts: None known to manufacturer.
 Hazardous Polymerization: Will not occur Conditions to Avoid: N/A

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. According to Primary Skin Irritation Test (FHSA), product concentrate is not a primary skin irritant. Product concentrate may induce moderate skin irritation on prolonged exposure; Eye Irritation Test (FHSA) = eye irritant. Product concentrate may induce eye corrosion on prolonged exposure. When tested as specified this product was not considered to be a UN/DOT corrosive at 4 hours. Harmful if swallowed.

2. Inhalation of fine fog mist can cause irritation of mucous membranes. Fine fog mist application is not recommended.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

SECTION VI – HEALTH HAZARD DATA continued

Signs and Symptoms of Exposure: Direct eye contact can cause irritation; prolonged skin contact may cause moderate irritation. Ingestion may cause irritation to mouth, throat and stomach. May cause gastric tract disorder.

Medical Conditions Generally Aggravated by Exposure: Skin problems such as dermatitis may be aggravated by exposure to concentrated product.

Emergency and First Aid Procedures: **Eyes:** In case of contact, immediately flush eyes with plenty of water for 15 minutes. For eyes, GET PROMPT MEDICAL ATTENTION IMMEDIATELY. **Skin:** Flush skin with plenty of water for 15 minutes. If skin irritation persists, get medical attention. **Ingested:** If swallowed, immediately give large amounts of water and call a physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Small spills: Flush with water and pick-up with mop or wet vac. Large spills may be absorbed with floor dry material.

Waste Disposal Method: Dispose of in accordance with all federal, state and local requirements.

Precautions To Be Taken In Handling And Storing: Keep away from children. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning. Waste from normal use may be sewerred to a public-owned treatment works in compliance with applicable federal, state and local requirements.

Other Precautions: Avoid breathing of vapors or fine fog mist. Use with adequate ventilation. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA STANDARD 29 CFR 1910.94 for technical guidelines on keeping air contamination below applicable exposure limits. Wash thoroughly after handling. Keep container closed when not in use. Do not get in eyes, on skin or on clothing. Do not take internally. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning & Community Right to Know Act of 1986 and 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES:

Respiratory Protection (Specify Type): None normally required. Ventilate to keep air below TLV on metasilicate.

Ventilation: At least 10 air exchanges per hour suggested in public areas with good ventilation.

Local Exhaust = Recommended Mechanical (General) = Recommended Special = N/A Other = N/A

Protective Gloves: Impervious gloves when working with concentrate **Eye Protection:** Chemical goggles where splashing of concentrate is a concern

Other Protective Clothing or Equipment: Not usually necessary

Work / Hygienic Practices: Wash thoroughly after handling

SECTION IX -- TRANSPORTATION INFORMATION:

Applicable regulations: 49 CFR = no; IMCO = no; IATA = no

Proper shipping name: Cleaning Compound

UN No.: not applicable **Limited Qty.:** not applicable **Hazard Class:** not applicable

Labels required: not required **DOT Exception:** not applicable

EPA Hazardous waste number / code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity =** applicable; **Reactivity =** not applicable

DISCLAIMER OF WARRANTIES

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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # 00965

GENERATOR INFORMATION

Name: [REDACTED]
Address: [REDACTED]
City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
Attention: [REDACTED] Phone: () [REDACTED] Fax () [REDACTED]

BILLING INFORMATION

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Waste (Sulfuric) Acid

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

Conservation of sulfuric Acid & other acids

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: Doc 2007

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input type="checkbox"/> 0-1 % <input checked="" 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>1.25</u>	<u>acceptable</u> <u>10</u> <u>07/29/16</u>
--	---	---	--	---

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

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>Sulfuric Acid</u>	<u>10</u>	<u>3</u>			
<u>Water</u>	<u>89</u>	<u>40</u>			
<u>Solids</u>	<u>1</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 checked="" type="checkbox"/> TOTAL	
---------------------------------------	--	---	--	-------------------------------	--	---	--

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

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

Radioactive
 Water Reactive
 Oxidizer
 Shock Sensitive
 Reactive (other)
 DOT Explosives
 NIOSH Human-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, RQ, Waste Corrosive Liquid, Acidic, Manganic, N.O.S. (Sulfuric Acid), 8, I Hazard Class 8 UN3264

PG I ERG 154 Hazardous Constituents for "n.o.s." Sulfuric Acid

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

5. Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: Varies or One Time

6. Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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

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

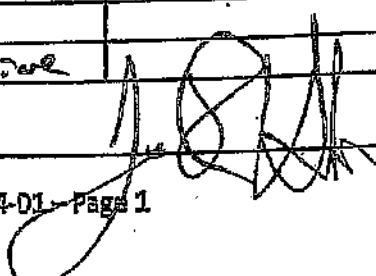


FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

Date	7/15/10
Receiving ID#	Waste H2304
Manifest# Line:	
Land Ban Cert Included	Yes No
EOT Approval #	
Generator	[REDACTED]
Client	
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.)	0.1	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	1.25	TDS	
Physical Description	liquid	Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil In Sample	Yes No		
Temperature	73°F		
Conductivity	> 400.0ms		
% Solids	37.4		
Turbidity	Yes No		
Color (visual)	Black		
TSS (%)	5.0		
Radiation Screen (as needed)	Negative		
Lab Signature			

GENERATOR'S WASTE PROFILE SHEET

VIC 08617339

() Check here if this is a Recertification LOCATION OF ORIGINAL Vlokey Environmental, Inc.

A/B WASTE GENERATOR AND CUSTOMER INFORMATION

- 1. Generator Name
2.
3. Technical Contact/
4. Alternate Contact/

C. WASTE STREAM INFORMATION

1a Process Generating Waste: ROD BAR & TUBE DIPPING TANKS
1b Waste Name: NITRIC ACID SOLUTION WITH COPPER
1c Color: YELLOW/BROWN
1d Strong Odor: (X) Describe: MILD
1e Physical State @ 70F: Solid () Liquid (X) Both () Gas () IF Single Layer (X) Multilayer ()
1f Free liq. range: 99 to 100% Gravity: 1.000 to 1.500 Viscosity: LOW BTU/lb: to
1g pH: Range .9 to 2.0 or Not applicable ()
1h Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

2a Is this a US EPA hazardous waste (40 CFR Part 261)? Yes (X) No ()
2b Identify ALL US EPA listed and characteristic waste code numbers (D,F,X,P,U): D002 State Waste Code#:

- 2b Do underlying hazardous constituents (UHCS) apply (40CFR268.48)? (X)
2d Is the waste predominantly debris subject to the Alternate Debris Standards (40 CFR 268.45)? (N)
2e Is the waste predominantly soil subject to the Alternate Soil Treatment Standards (40 CFR 268.49)? (N)
2f Does the waste contain asbestos? (X) If yes, is waste friable () Non-Friable () or Both ()
2g Waste contains benzene in concentrations ppm. NESHAP? (N)
2h Is waste remediation from a major source of Haz Air Pollutants (Site Remediation NESHAP, 40CFR 63 subpart GGGG)? (N)
If yes, does the waste contain <500 ppmv VOCs at the point of determination? ()
2i Waste contains PCBs (< >) ppm, regulated by 40 CFR 761? (N)
Are PCBs regulated under EHS Mega Rule (40 CFR 761.61(a))? ()

2j CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

Table with 3 columns: Constituents, Range, and Unit Description. Rows include NITRIC ACID, COPPER, URSA, WATER, and TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): 116.000000.

- 2k Is the waste: Pyrophoric () Water-Reactive () Shock Sensitive () Oxidizer () Carcinogen () Infectious ()
Other
2l Is waste Group 1 wastewater or residual under Hazardous Organic NESHAP? (X)
2m Does the waste contain radioactive material? (N) Regulated by NRC? () Is radioactive waste NORM? ()
2n Is the waste a CERCLA (40 CFR 300, Appendix 2) or state mandated cleanup? (N)

3a This is a Wastewater.
3b Physical Appearance: LOW VISCOSITY, LIQUID
3f IF waste subject to the land ban & treats treatment standards, check here: () & supply analytical results where applicable.
3g Tracking Number: 5646696

D. DOT Information and Shipping Volume

D1 Anticipated Annual Volume: 25000 Units: GALLONS Shipping Frequency: WEEK
D2 PACKAGING: Bulk Solid () Bulk Liquid (X) Drum () Type/Size: TANK Other

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Accepted
07.29.16

Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

REF #	A. US EPA HAZARDOUS WASTE CODE(S)	B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none	C. APPLICABLE TREATMENT STANDARDS			D. HOW MUST THE WASTE BE MANAGED? Enter letter from below
			PERFORMANCE-BASED: Check as applicable	SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s)		
		DESCRIPTION	NONE	268.41(a)	268.43(a)	268.42
1	D002	CWA, or Class 1 managed corrosive char. wastes				
2						
3						
4						
5						
6						
7						
8						
9						
10						

Management under the land disposal restrictions:

- A. RESTRICTED WASTE REQUIRES TREATMENT
 - A.1 RESTRICTED WASTE REQUIRES TREATMENT TO ALTERNATE SOIL STANDARDS
 - B.1 RESTRICTED WASTE TREATED TO 268.40 STANDARDS
 - B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS
 - B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UMCS
 - B.5 RESTRICTED WASTES TREATED TO ALTERNATE SOIL STANDARD
 - B.6 RESTRICTED WASTES TREATED TO ALTERNATE DEBRIS STANDARD
- C. RESTRICTED WASTE SUBJECT TO A VARIANCE
- D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT
- E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

E. TRANSPORTATION INFORMATION

a. Is this a DOT Hazardous Material? Yes No

b. Proper Shipping Name. : RD, UN2031, WASTE NITRIC ACID OTHER THAN RED FUMIN
G, WITH NOT MORE THAN 70 PERCENT NITRIC ACID

and Additional Description if required: D002

c. DOT Regulations: United Nations Hazard Class: 9 Corrosive Material I.D. UN2031 Packing Group: II
2nd Haz Cls : _____

c. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): _____

e. Non-Bulk code 158 Bulk code 242

f. Special Provisions A6 B2 H47 B53 IB2 +++ See DOT Regs for more info

g. Labels Required CORROSIVE

a. Is this a DOT Hazardous Material? Yes No

b. Proper Shipping Name. : RD, UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC
NITRIC ACID

and Additional Description if required: (NITRIC ACID)

D002

c. DOT Regulations: United Nations Hazard Class: 9 Corrosive Material I.D. UN3264 Packing Group: II
2nd Haz Cls : _____

c. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): _____

e. Non-Bulk code 202 Bulk code 242

f. Special Provisions B2 IB2 T11 TP2 +++ See DOT Regs for more info

g. Labels Required CORROSIVE

F. SPECIAL HANDLING INFORMATION

Material Safety Data Sheets Attached

G. OTHER INFORMATION

H. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Generator Name

Profile No.

1. Is this waste a non-wastewater or wastewater? (See 40 CFR 268.2) Check ONE: Nonwastewater Wastewater
2. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If F039, multi-source leachate applies, those constituents must be listed and attached by the generator. If D001-D043 requires treatment of the characteristic and meet 268.48 standards, then the underlying hazardous constituent(s) present in the waste must be listed and attached.

REF #	3. US EPA HAZARDOUS WASTE CODE(S)	4. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		5. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D002	CWA, or Class I managed corrosive char. wastes		A
2				
3				
4				

To identify F039 or D001-D043, underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here:
 To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided (CWM-2005-D) and check here:
 Disposal facility monitors for all UHCs check here
 If waste will be managed in a system regulated under the CWA, or a Class I injection well under the SDWA check here

HOW MUST THE WASTE BE MANAGED? In column 5 above, enter the letter (A, B1, B3, B4, B5, B6, C, D or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter B1, B3, B4, B5, or D you are making the appropriate certification as provided below. (States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.)

A. RESTRICTED WASTE REQUIRES TREATMENT

This waste must be treated to the applicable treatment standards set forth in 40 CFR 268.40.
 For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR 268.45."

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the treatment standards specified in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification. Based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the nonwastewater organic constituents have been treated by combustion in units as specified in 268.43 Table 1. I have been unable to detect the nonwastewater organic constituents despite having used best good faith efforts to analyze for such constituents. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.4 DECHARACTERIZED WASTE REQUIRES TREATMENT FOR UNDERLYING HAZARDOUS CONSTITUENTS

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 or 268.49, to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

B.6 RESTRICTED DEBRIS TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.43 without impermissible dilution of the prohibited wastes. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

This waste is subject to a national capacity variance, a treatability variance, or a case-by-case extension. Enter the effective date of prohibition in column 5 above.

For Hazardous Debris: "This hazardous debris is subject to the alternative treatment standards of 40 CFR Part 268.45."

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. WASTE IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR Part 268 restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

SOLVENT

If the waste identified on the first page of this form is described by any of the following USEPA hazardous waste codes: F001, F002, F003, F004, F005, and all solvent constituents will not be monitored by the treator, then each constituent MUST be identified below by checking the appropriate box, and this page must accompany the shipment, along with the previous page of this form. If the waste code F019 describes this waste, then the corresponding list of constituents must be attached. If D001-D043 require treatment to 269.48 standards, then the underlying hazardous constituent(s) must also be attached.

SOLVENT WASTE TREATMENT STANDARDS

F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	1 Treatment Standard		F001 through F005 spent solvent constituents and their associated USEPA hazardous waste code(s).	1 Treatment Standard	
	Wastewater	Nonwastewater		Wastewater	Nonwastewater

¹ All spent solvent treatment standards are measured through a total waste analysis (TCA), unless otherwise noted. Wastewater units are mg/l, nonwastewater are mg/kg.

² For contaminated soils using the alternative soil treatment standards, the treatment standards for F001-F005 spent solvents must be a 90% reduction of constituents or less than 10 x the standards listed.

SUBCATEGORY REFERENCE

D001:

- A. Ignitable characteristic wastes, except for the 40 CFR 261.21(a)(1) High TOC subcategory.
- B. High TOC Ignitable characteristic liquids subcategory based on 40 CFR 261.21(a)(1) - Greater than or equal to 10% total organic carbon.





290 South Wagner Road
 Ann Arbor, Michigan 48103
 Tel. 734/996-0996 Fax. 734/996-3731
 Michigan Laboratory ID: 9604
 Wisconsin Laboratory ID: 998321720

Semivolatile Organic Compounds Data Summary Sheet

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

ATS Project: Environmental Geo-Technologies, Inc. #E008-000
 Report Date: 8/29/16
 ATS SRF: 0804161

Sample Identification: July 2016

Sample Date:	8/1/16	QC Batch Number:	QCORG0809161-E
Laboratory Receipt Date:	8/4/16		B6H0083
Preparation Date:	8/9/16, 8/18/16	Sample Matrix:	Wastewater
Analysis Date:	8/24/16, 8/19/16	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	<0.00000000005	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	95.2	(50 - 150)
Nitrobenzene-d5	EPA 8270 Mod	63.2	(50 - 150)
p-Terphenyl-d14	EPA 8270 Mod	135.1	(50 - 150)
Tetrachloro-m-xylene (TCMX) *	EPA 8270 Mod	60.0	(50 - 150)
13C-1,2,3,4,7,8-HxCDD	EPA 1613B	84.0	(32 - 141)
13C-1,2,3,6,7,8-HxCDD	EPA 1613B	79.4	(28 - 130)
13C-1,2,3,7,8,9-HxCDD	EPA 1613B	79.5	(32 - 141)
13C-OCDF	EPA 1613B	45.1	(17 - 157)
13C-OCDD	EPA 1613B	40.4	(17 - 157)
13C-2,3,7,8-TCDD	EPA 1613B	90.5	(25 - 164)

Comments:

USEPA Analysis 1613B performed by Vista Analytical.