

October 30, 2015

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:

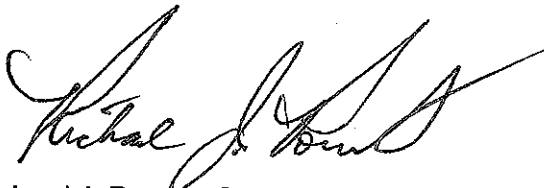
Environmental Geo-Technologies, LLC ("EGT") hereby timely submits its twenty-third Monthly Report in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011).

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.

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.

rjp103015/EGT EPA Monthly Report-September 2015

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2015CURRENT REPORTING MONTH SEPTEMBERDate (month, year) of the first injection into either well at the Citrin Road Facility NOVEMBER 2013

CURRENT MONTH (all volumes in gallons)

	Injected Waste	Injected Non-Waste	Total injected
MI-163-1W-C010, Well #1-12			
Current Month	276,724	0	276,724
Since facility first injected			3,258,606
MI-163-1W-C011, Well #2-12			
Current Month	147,001	0	147,001
Since facility first injected			1,860,463
		Lifetime Combined	5,119,069

Conversion factors

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

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

CalculationsWhole number of months of injection 23

23 lifetime number of months of injection × 43,830 minutes/month
= 1,008,090 minutes of injection

Lifetime combined injected volume 5,119,069 ÷ 1,008,090 minutes of injection
= 5.1 gpm average injection rate

WELL 1 DATA

Circle Chart Index

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

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure

Channel #2

Red Pen – Well 1 Annulus Pressure

Channel #3

Green Pen – Well 1 Flow Rate

Channel #4

Black Pen – Well 1 Annulus Tank Level

Chart Recorder #2

Channel #1

Blue Pen – Well 2 Injection Pressure

Channel #2

Red Pen – Well 2 Annulus Pressure

Channel #3

Green Pen – Well 2 Flow Rate

Channel #4

Black Pen – Well 2 Annulus Tank Level

Chart Recorder #3

Channel #1

Blue Pen – Injection pH Well 1 & 2

Channel #2

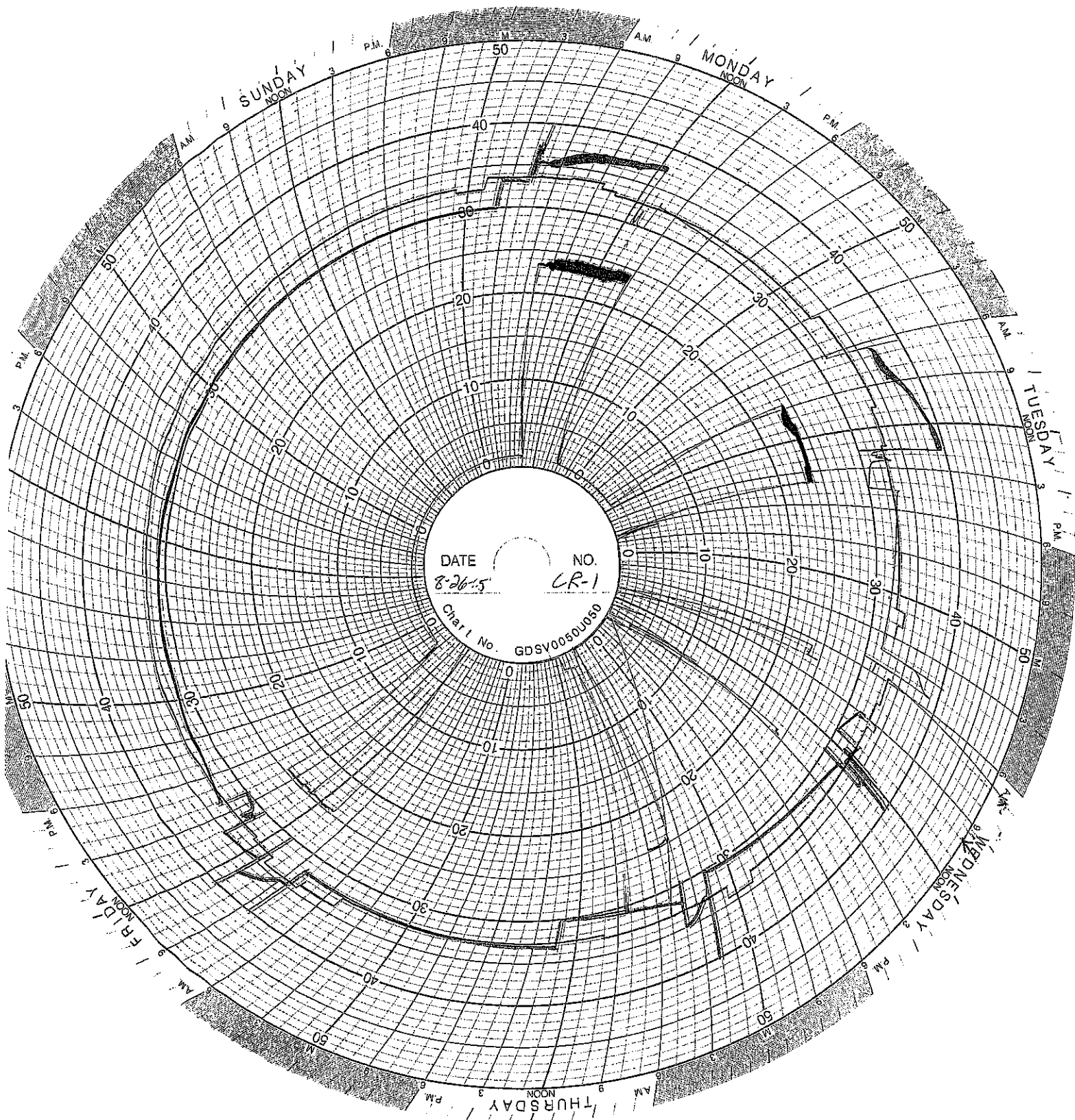
Red Pen – Well 1 Monthly Volume

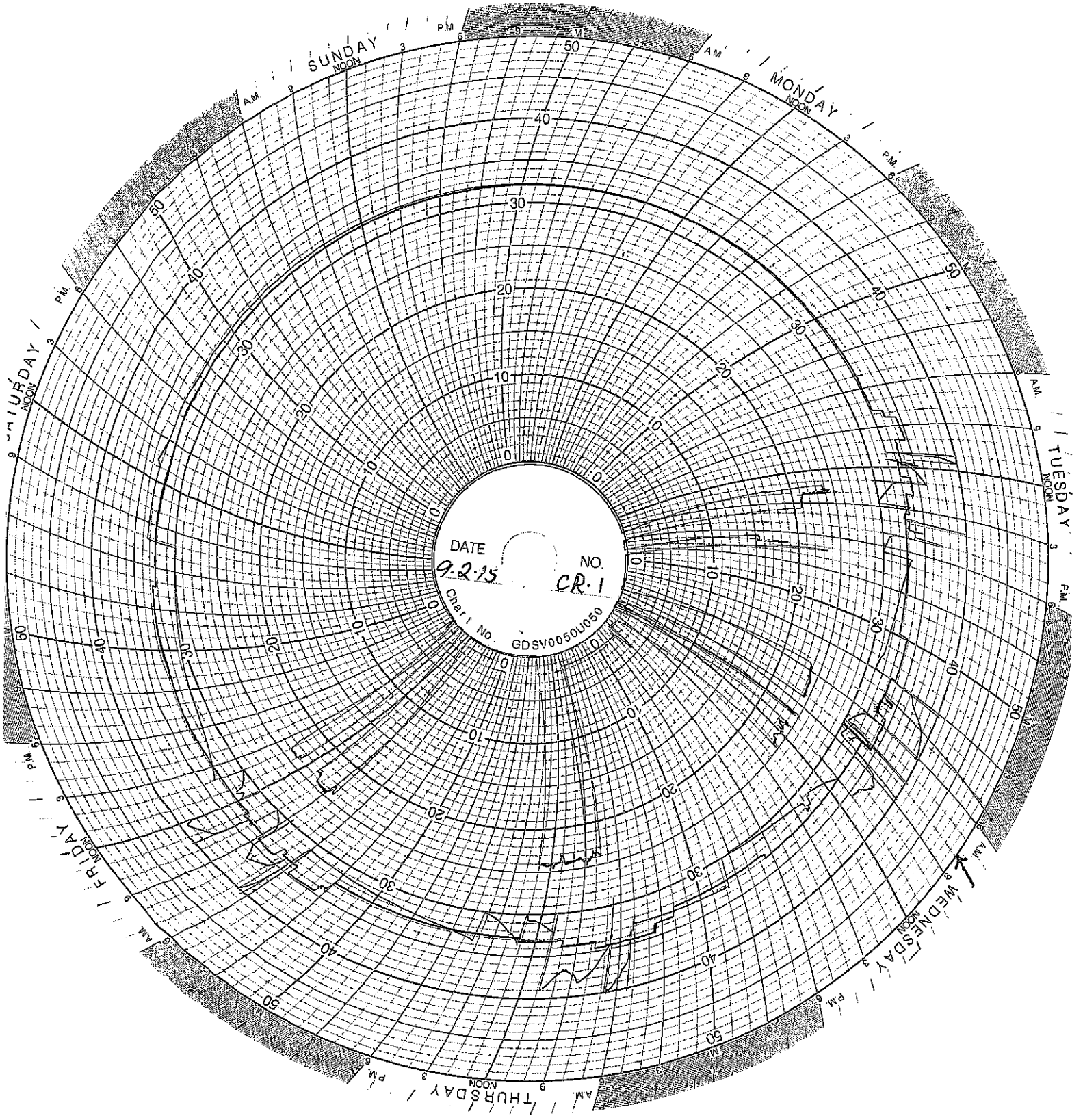
Channel #3

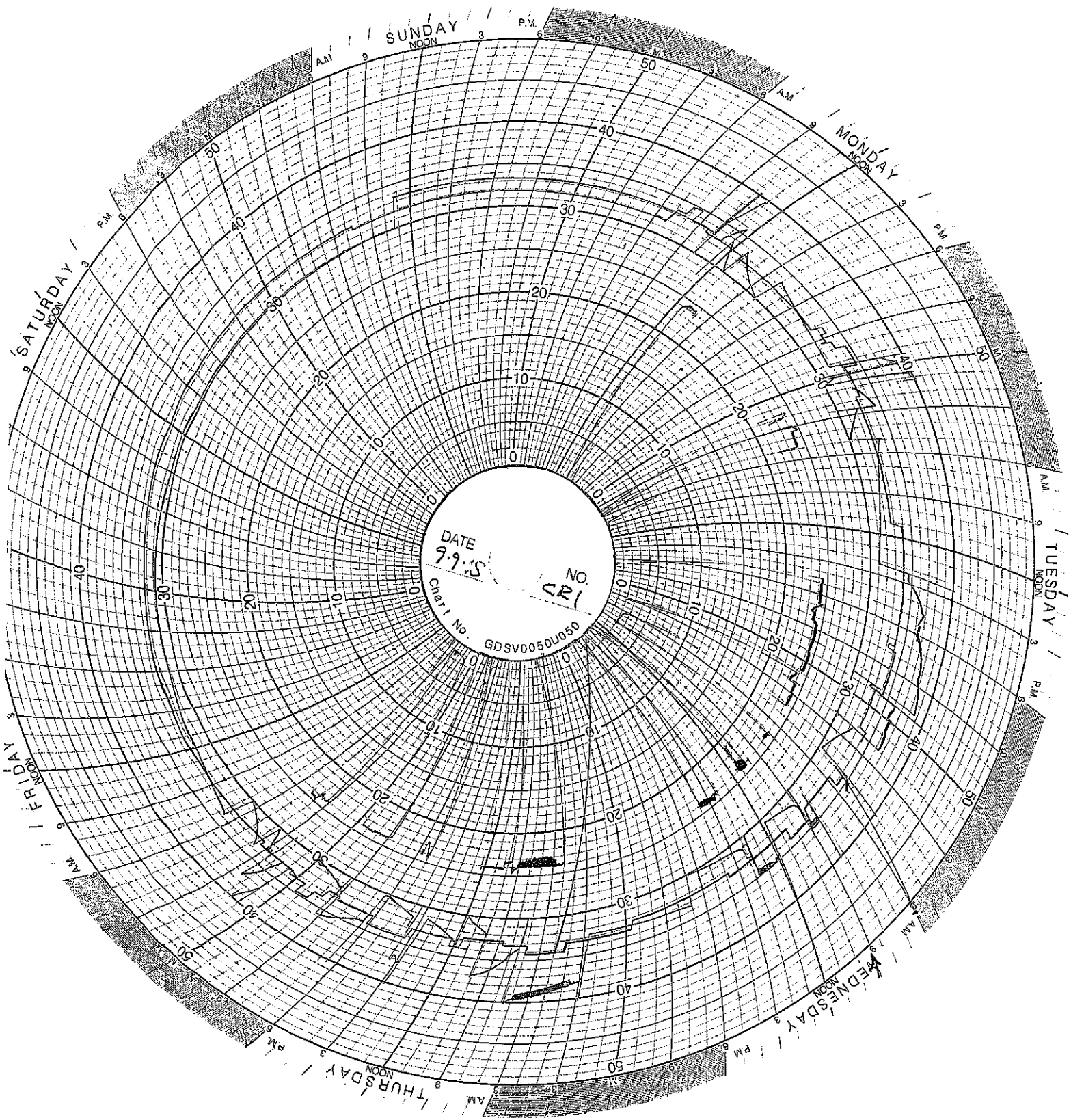
Green Pen – Well 2 Monthly Volume

Channel #4

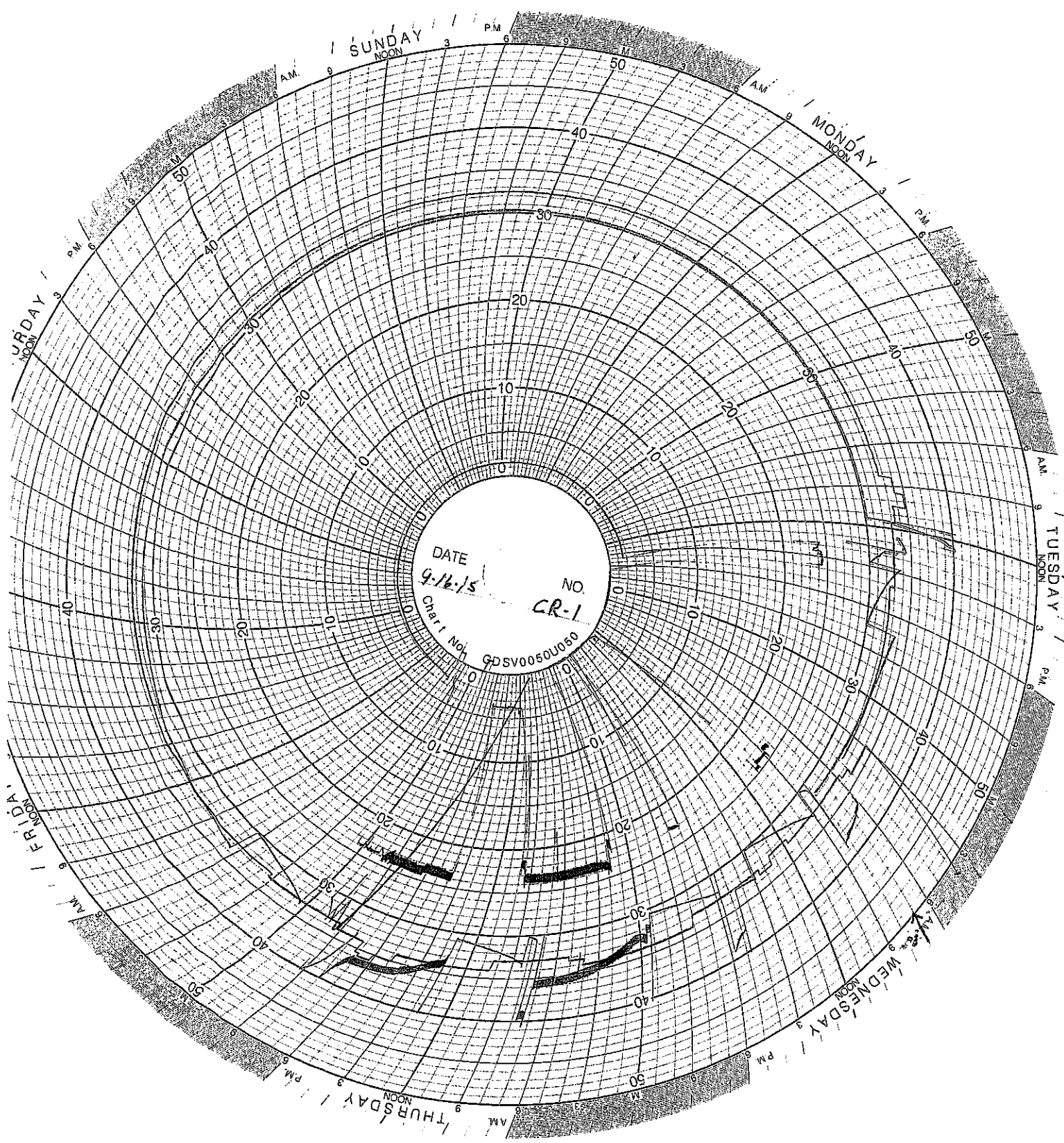
Black Pen - Temperature



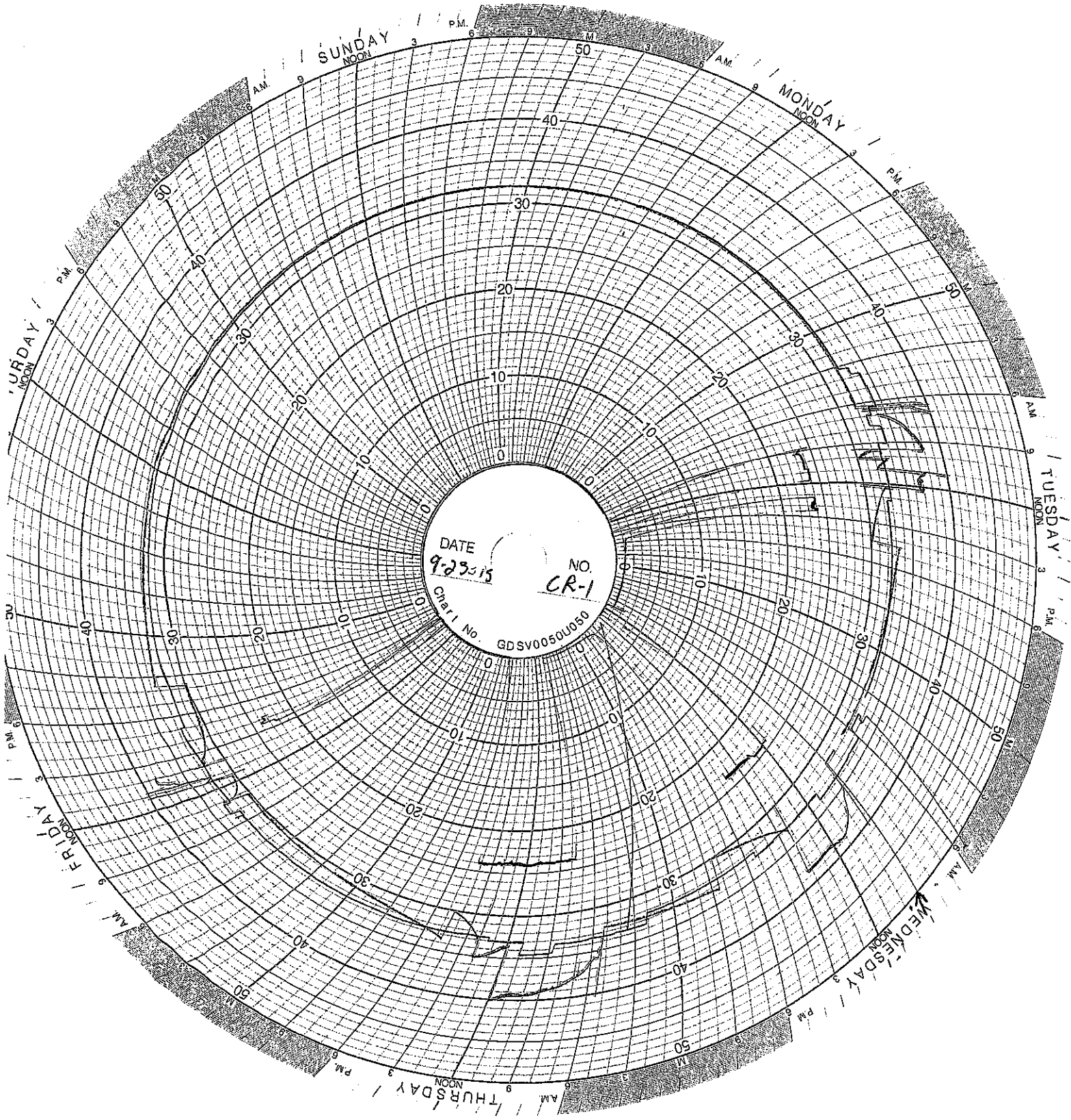




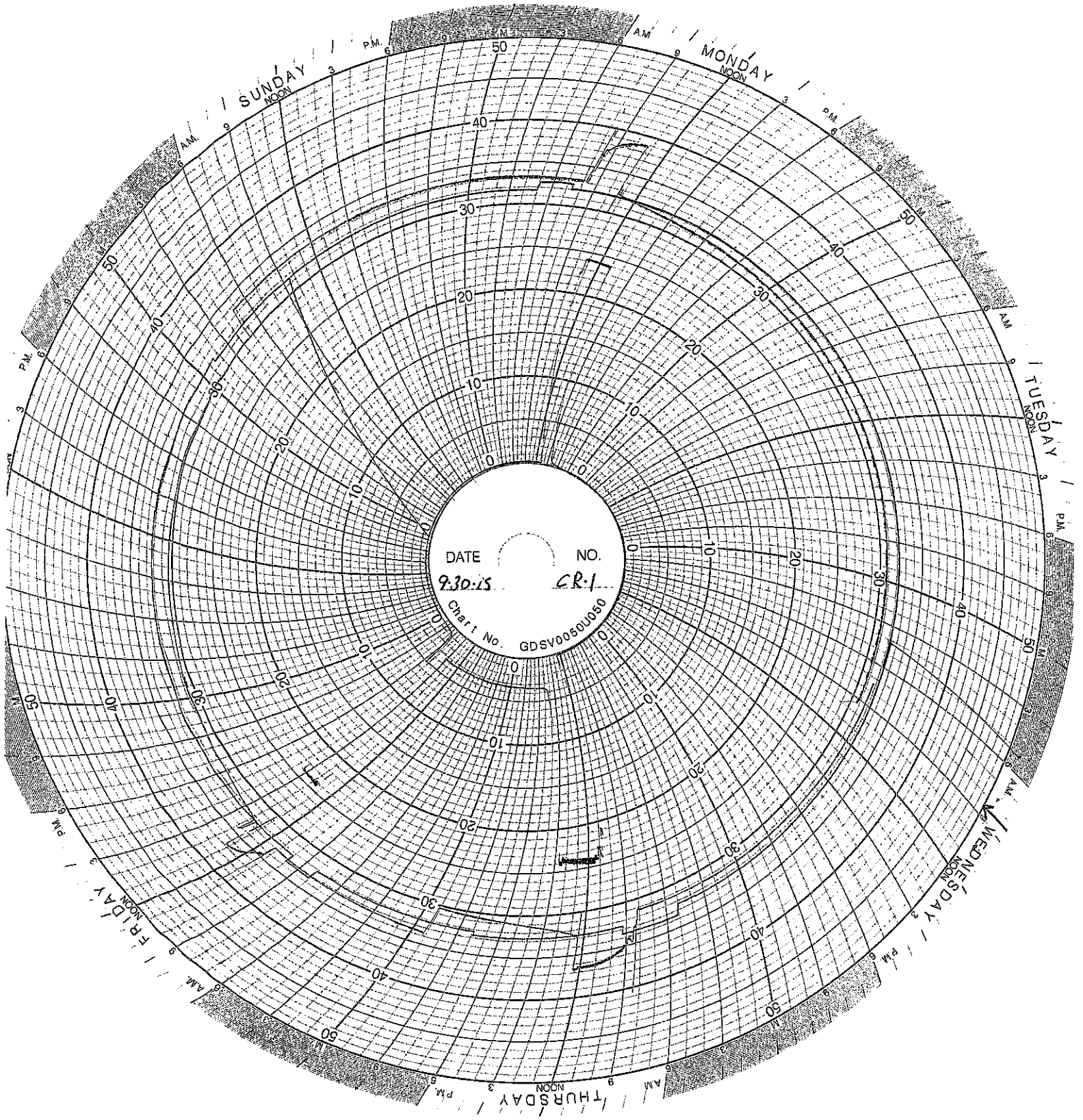
DATE 9-9-53
NO. CR1
Chart No. GDSV0050U080



DATE 9-16-15
NO. CR-1
Char. No. GDSV0050U050



DATE 9-23-15
NO. CR-1
Char. No. GDSV0050U050



DATE 9.30.15 NO. CR-1
Chart No. GDSV0050J050

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)
9/1/2015	-3.8	729.8	12.5	29.3	299.9	1203.8	1.9	3.0	10.3	74.9	301.2	978.1
9/2/2015	-10.0	744.5	24.7	28.7	334.6	1204.6	1.2	4.2	8.2	217.0	264.9	1007.6
9/3/2015	-9.3	740.6	24.6	27.8	298.7	1202.0	1.8	3.4	22.0	398.1	252.3	1015.6
9/4/2015	-10.0	739.0	24.1	29.1	300.0	1200.2	2.2	3.7	10.6	93.0	310.0	1017.3
9/5/2015	-10.0	-10.0	26.7	27.3	300.1	407.6	2.4	2.5	73.6	400.0	310.1	417.6
9/6/2015	-10.0	-10.0	26.6	27.1	362.9	380.0	2.4	2.4	0.0	0.0	372.9	390.0
9/7/2015	-10.0	-10.0	26.6	27.2	352.9	363.5	2.3	2.4	0.0	0.0	362.9	373.5
9/8/2015	-10.0	736.2	18.7	26.9	350.1	1204.8	1.3	5.0	7.1	161.0	309.6	1015.5
9/9/2015	-10.0	746.4	23.2	28.0	311.1	1204.6	2.0	4.3	9.5	154.7	248.5	1015.4
9/10/2015	-10.0	741.8	23.1	26.1	349.7	1206.6	1.3	2.9	17.1	203.5	232.7	1015.7
9/11/2015	-9.9	735.4	22.9	28.2	299.8	1201.6	1.3	2.0	4.2	397.6	264.2	1006.9
9/12/2015	-9.9	-9.9	24.8	25.8	300.0	408.0	2.0	2.0	0.0	0.0	309.9	417.9
9/13/2015	-9.9	-9.9	24.8	25.4	387.0	399.5	2.0	2.0	0.0	0.0	397.0	409.5
9/14/2015	-10.0	730.2	22.4	27.5	316.3	1200.6	1.9	2.4	3.6	260.8	140.6	1117.7
9/15/2015	-10.0	725.1	22.6	27.5	299.8	1199.7	1.6	3.1	1.8	178.5	301.6	1008.3
9/16/2015	-1.9	-1.7	24.8	25.5	345.2	358.5	1.8	3.6	0.0	0.0	346.9	360.3
9/17/2015	-1.9	-1.6	24.8	25.4	340.2	345.8	1.3	4.9	0.0	0.0	342.0	347.6
9/18/2015	-1.9	0.0	22.0	25.1	334.2	341.8	1.5	1.8	0.0	0.0	336.0	343.6
9/19/2015	-1.9	-1.7	25.0	25.1	328.8	334.8	1.5	1.5	0.0	0.0	330.6	336.5
9/20/2015	-1.9	-1.7	24.8	25.4	325.0	329.5	1.5	1.5	0.0	0.0	326.8	331.3
9/21/2015	-1.9	-1.7	24.8	25.4	321.9	325.6	1.5	1.7	0.0	0.0	323.7	327.4
9/22/2015	-1.9	-1.7	25.0	25.4	319.8	322.5	1.6	2.7	0.0	0.0	321.6	324.3
9/23/2015	-1.9	-1.7	24.8	25.4	318.1	321.1	2.0	2.5	0.0	0.0	319.8	322.8
9/24/2015	-1.9	-1.5	24.9	25.5	316.3	320.6	2.0	2.4	0.0	0.0	318.1	322.4
9/25/2015	-10.0	719.3	22.1	27.7	300.0	1251.5	2.2	3.3	2.9	144.7	310.0	1010.1
9/26/2015	-10.0	-10.0	25.2	25.3	309.9	341.2	2.4	2.5	0.0	0.0	319.9	351.2
9/27/2015	-10.0	-9.6	25.2	25.3	303.8	310.4	2.5	2.6	0.0	0.0	313.4	320.4
9/28/2015	-9.7	-7.9	25.2	25.3	301.5	322.6	2.6	2.8	0.0	0.0	309.9	330.9
9/29/2015	-8.0	-6.6	25.1	25.3	315.0	319.2	2.1	3.3	0.0	0.0	321.6	327.1
9/30/2015	-6.7	-5.8	24.9	25.5	310.7	315.3	2.1	2.3	0.0	0.0	316.6	322.0

Circle Chart Index

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

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure

Channel #2

Red Pen – Well 1 Annulus Pressure

Channel #3

Green Pen – Well 1 Flow Rate

Channel #4

Black Pen – Well 1 Annulus Tank Level

Chart Recorder #2

Channel #1

Blue Pen – Well 2 Injection Pressure

Channel #2

Red Pen – Well 2 Annulus Pressure

Channel #3

Green Pen – Well 2 Flow Rate

Channel #4

Black Pen – Well 2 Annulus Tank Level

Chart Recorder #3

Channel #1

Blue Pen – Injection pH Well 1 & 2

Channel #2

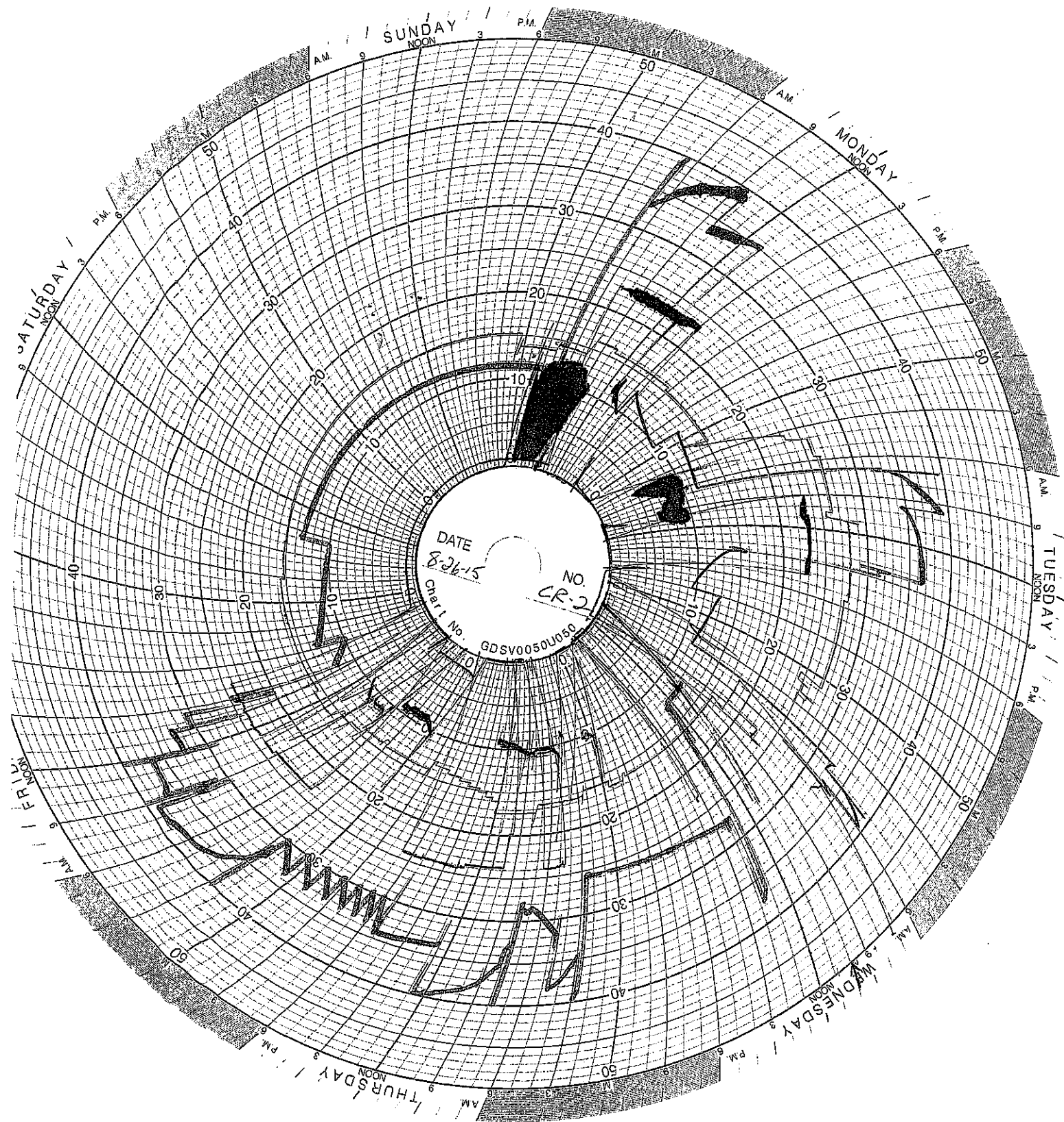
Red Pen – Well 1 Monthly Volume

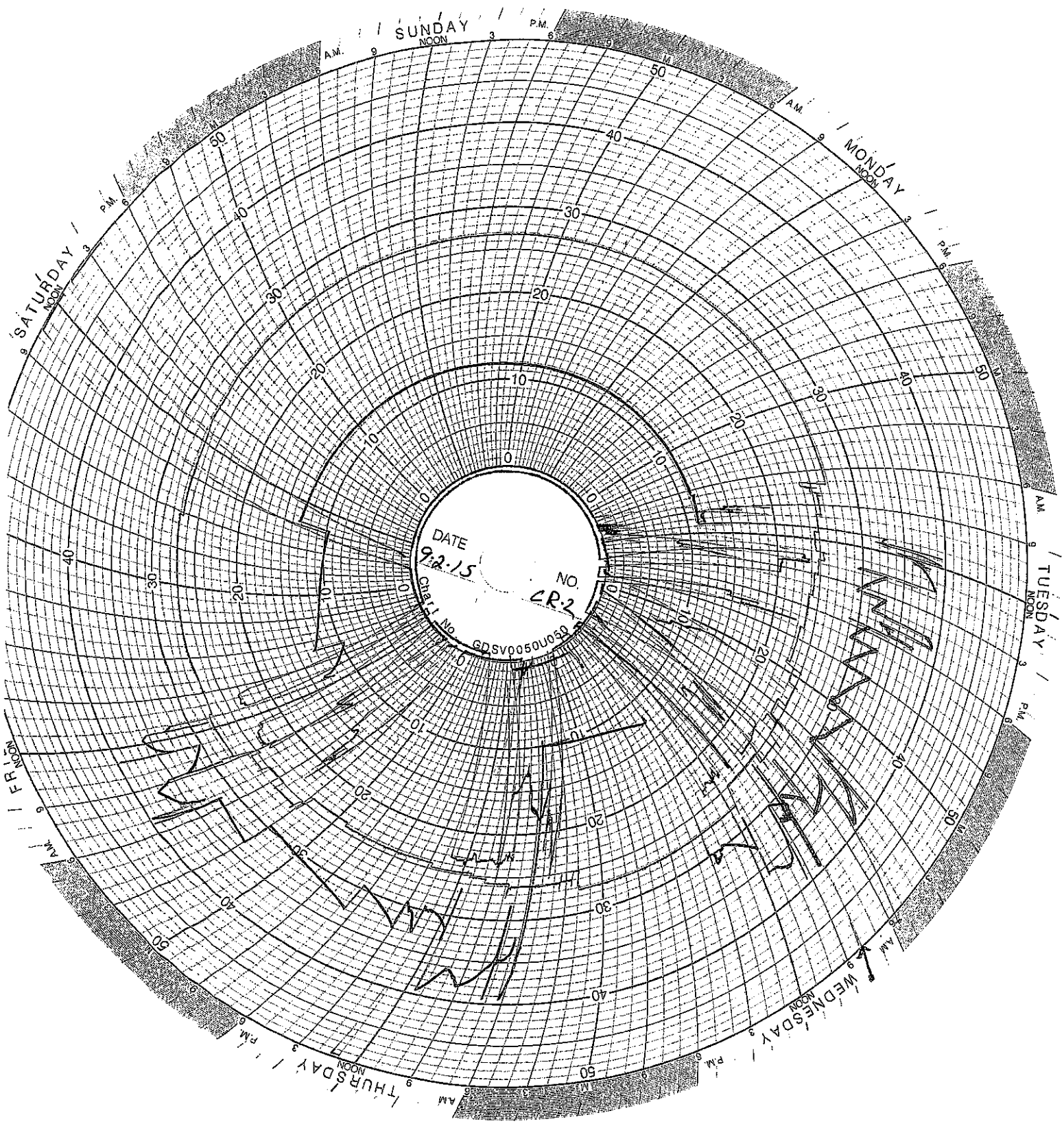
Channel #3

Green Pen – Well 2 Monthly Volume

Channel #4

Black Pen - Temperature





SUNDAY

MONDAY

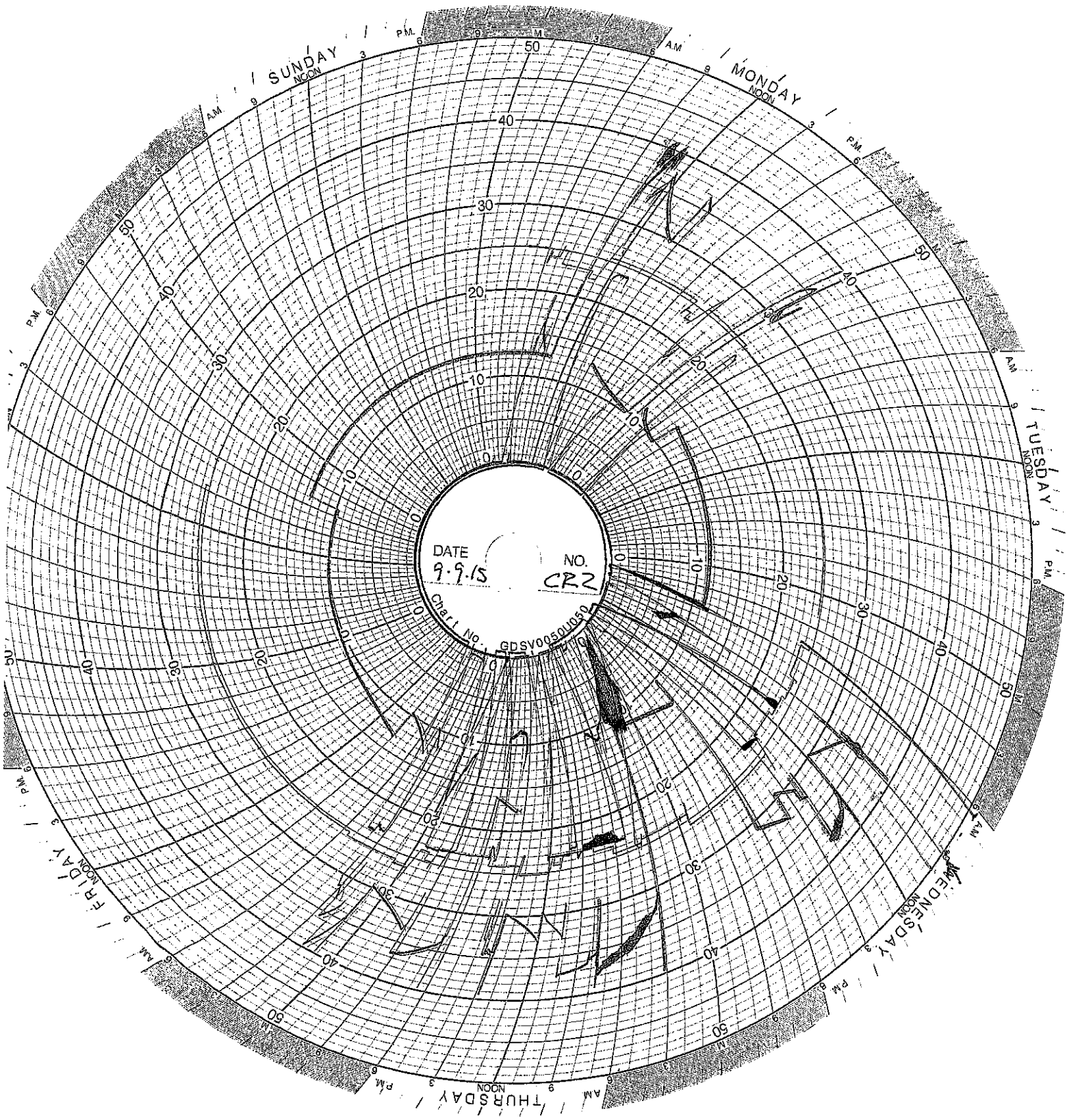
TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

DATE
9-2-15
NO.
CR-2
Chart No.
6DSV00650U058



DATE 9-9-15 NO. CR2

CHRT. No. GDSY005010090

SUNDAY

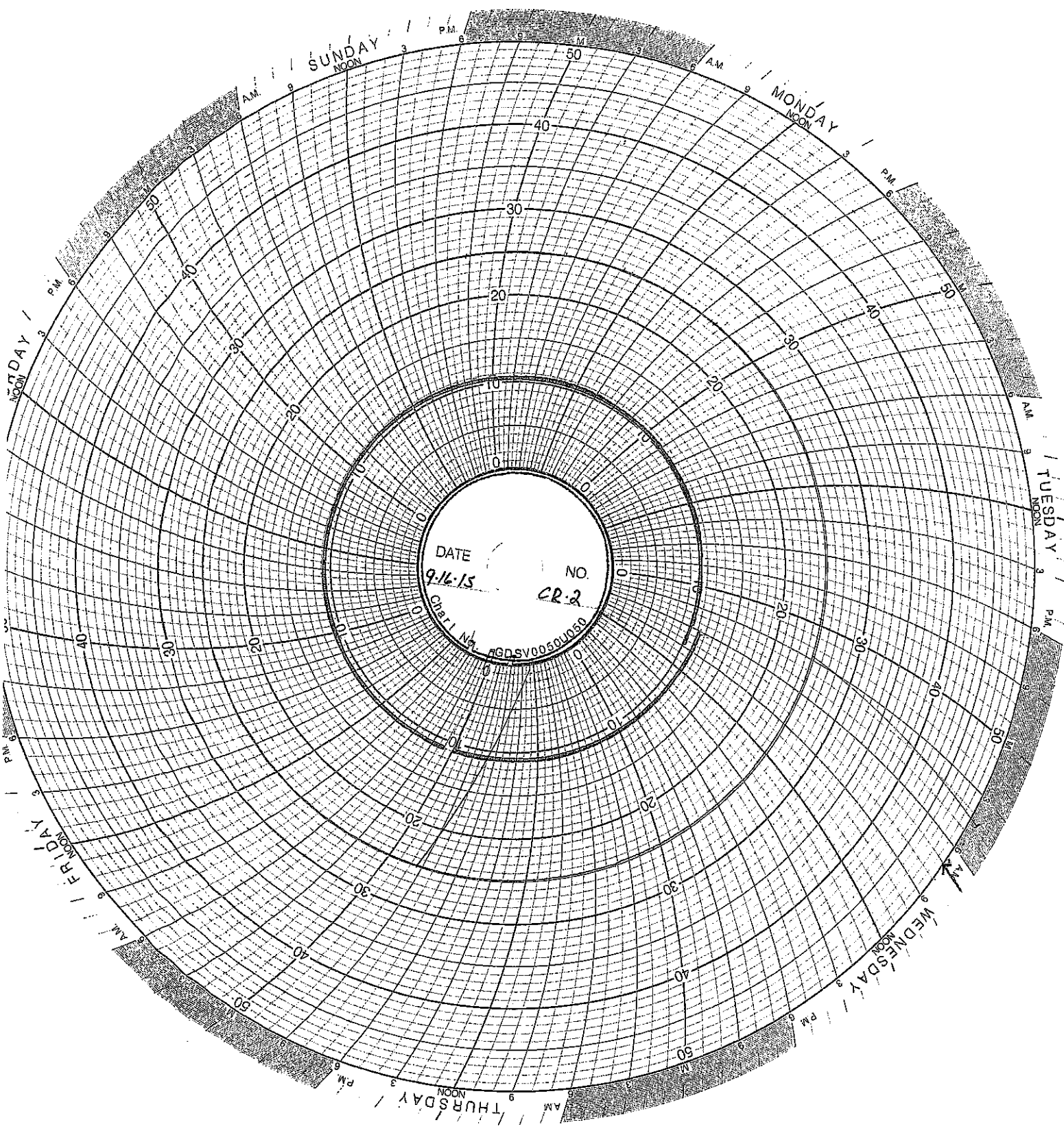
MONDAY

TUESDAY

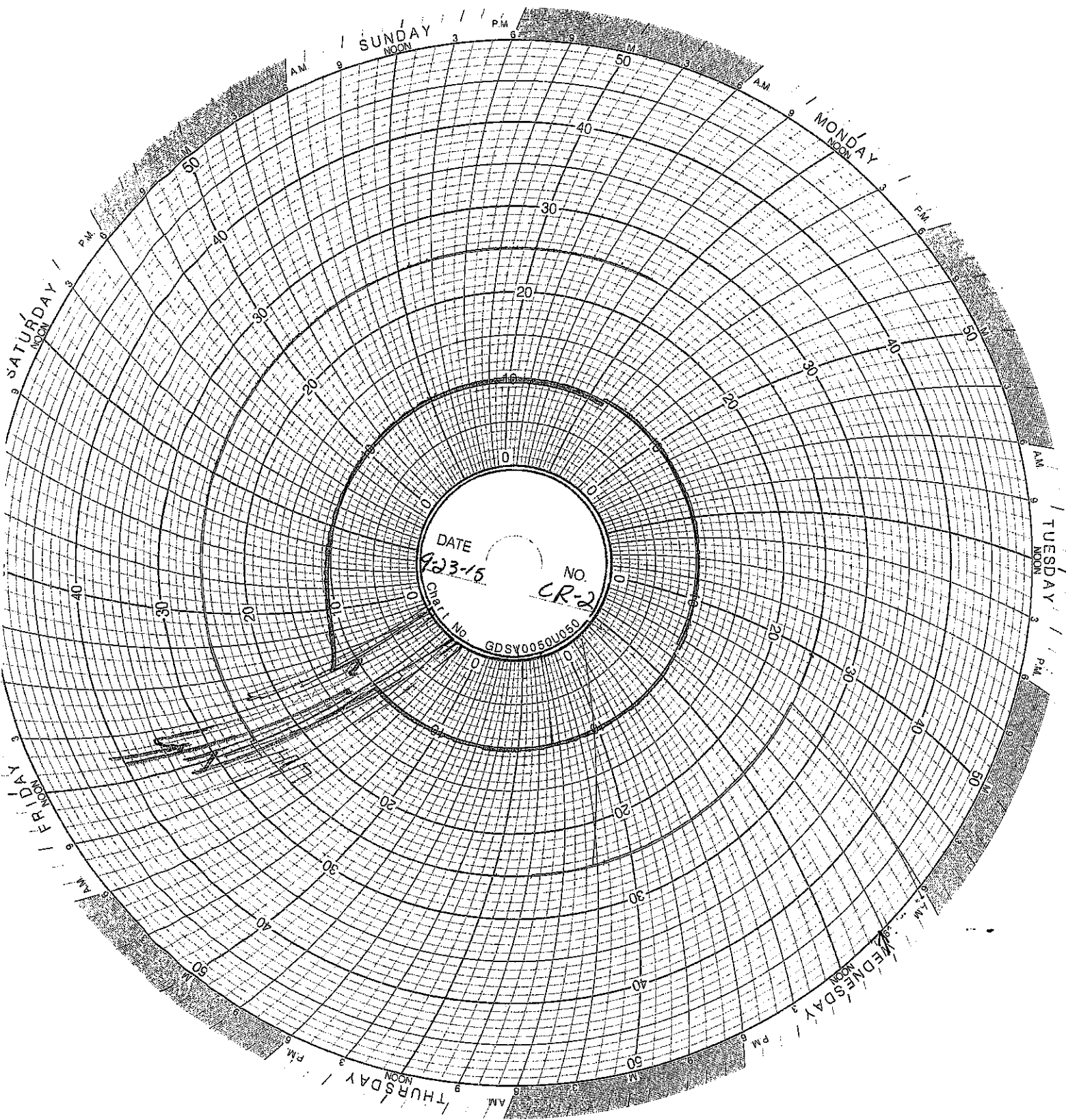
WEDNESDAY

THURSDAY

FRIDAY



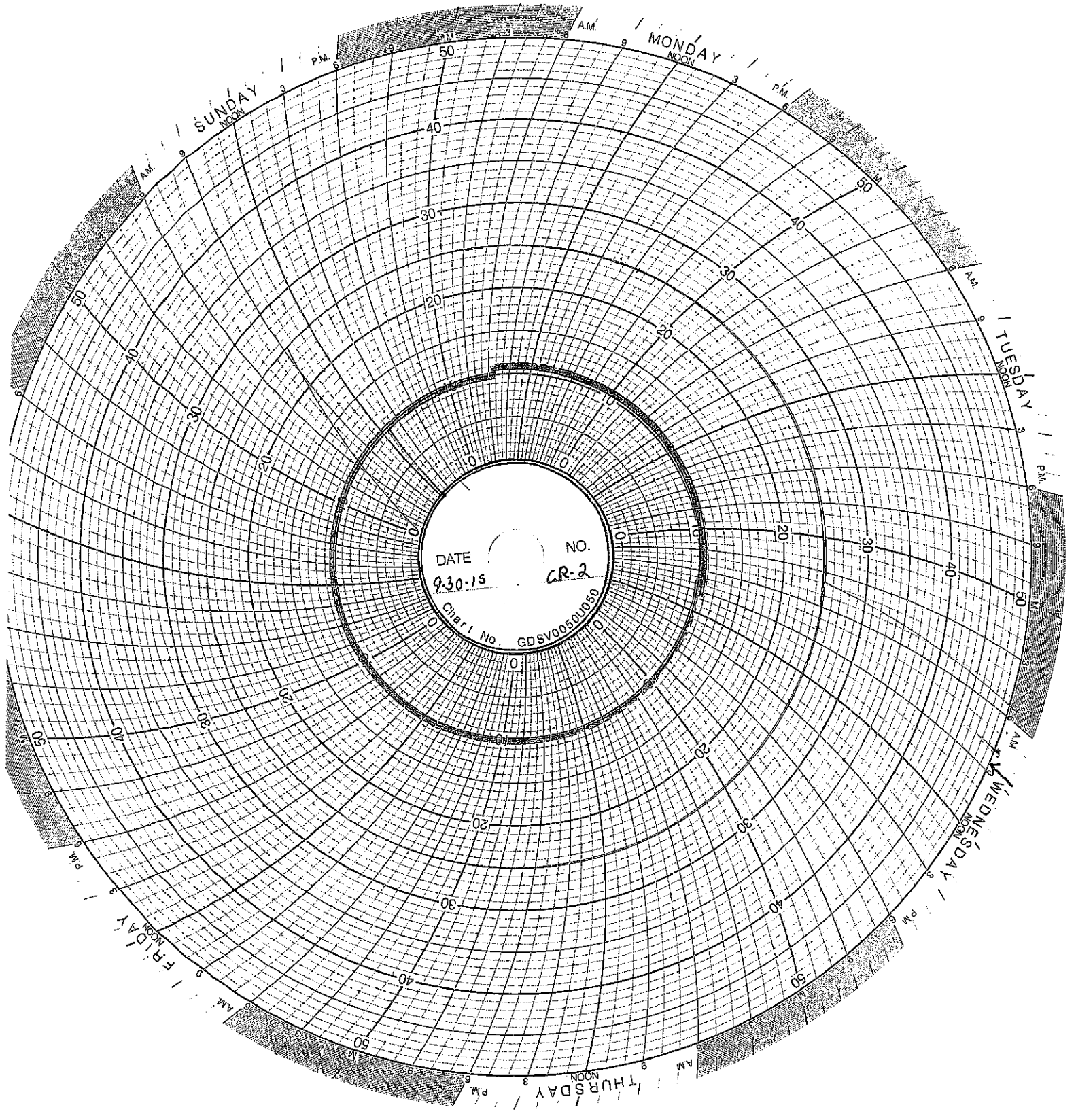
DATE 9-16-15
NO. CR-2
Chart No. AGDSV00501050



DATE
9-23-15

NO.
CR-2

Chart No.
GDSV0050U050



SUNDAY
NOON

MONDAY
NOON

TUESDAY
NOON

WEDNESDAY
NOON

THURSDAY
NOON

FRIDAY
NOON

DATE

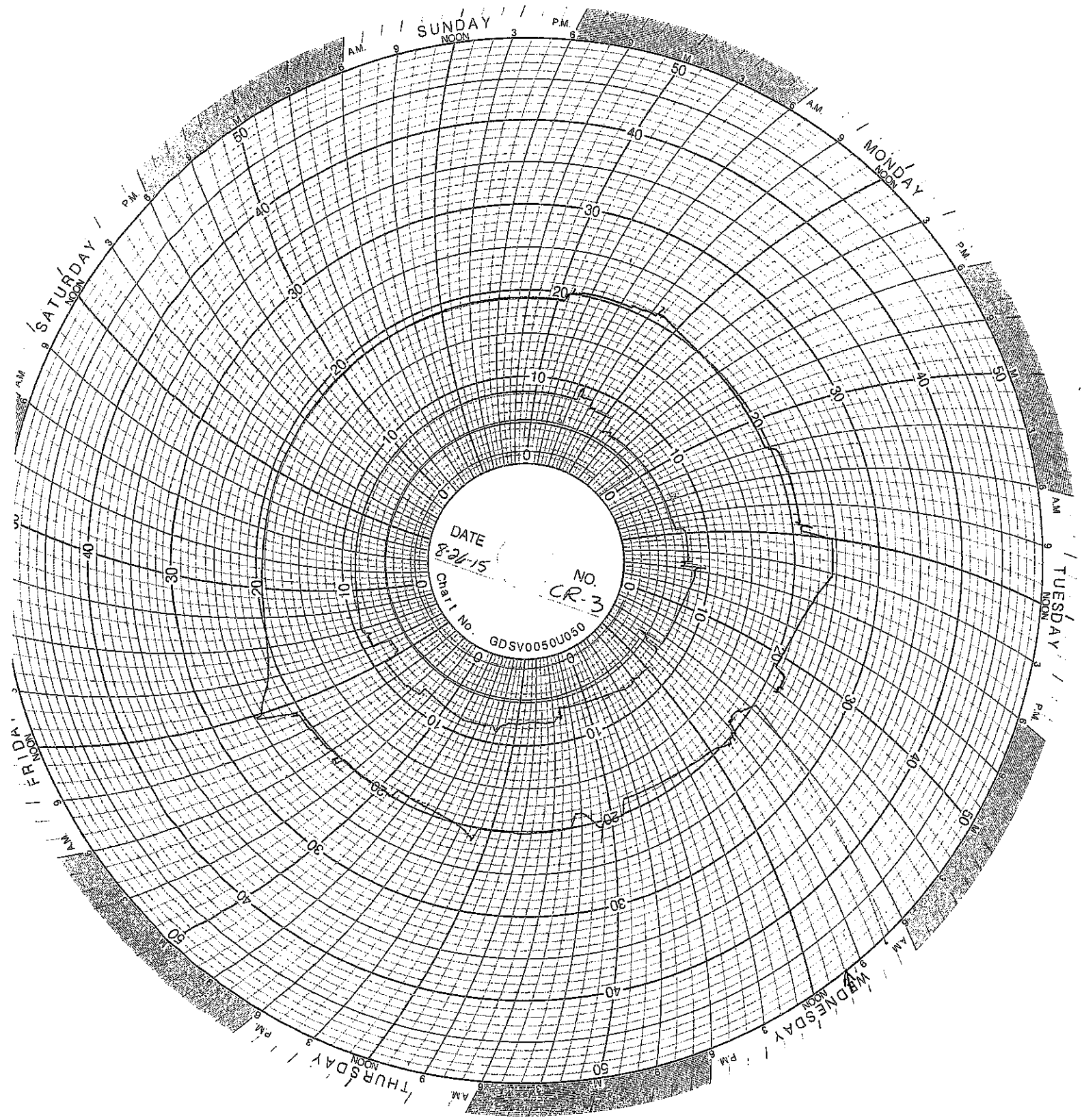
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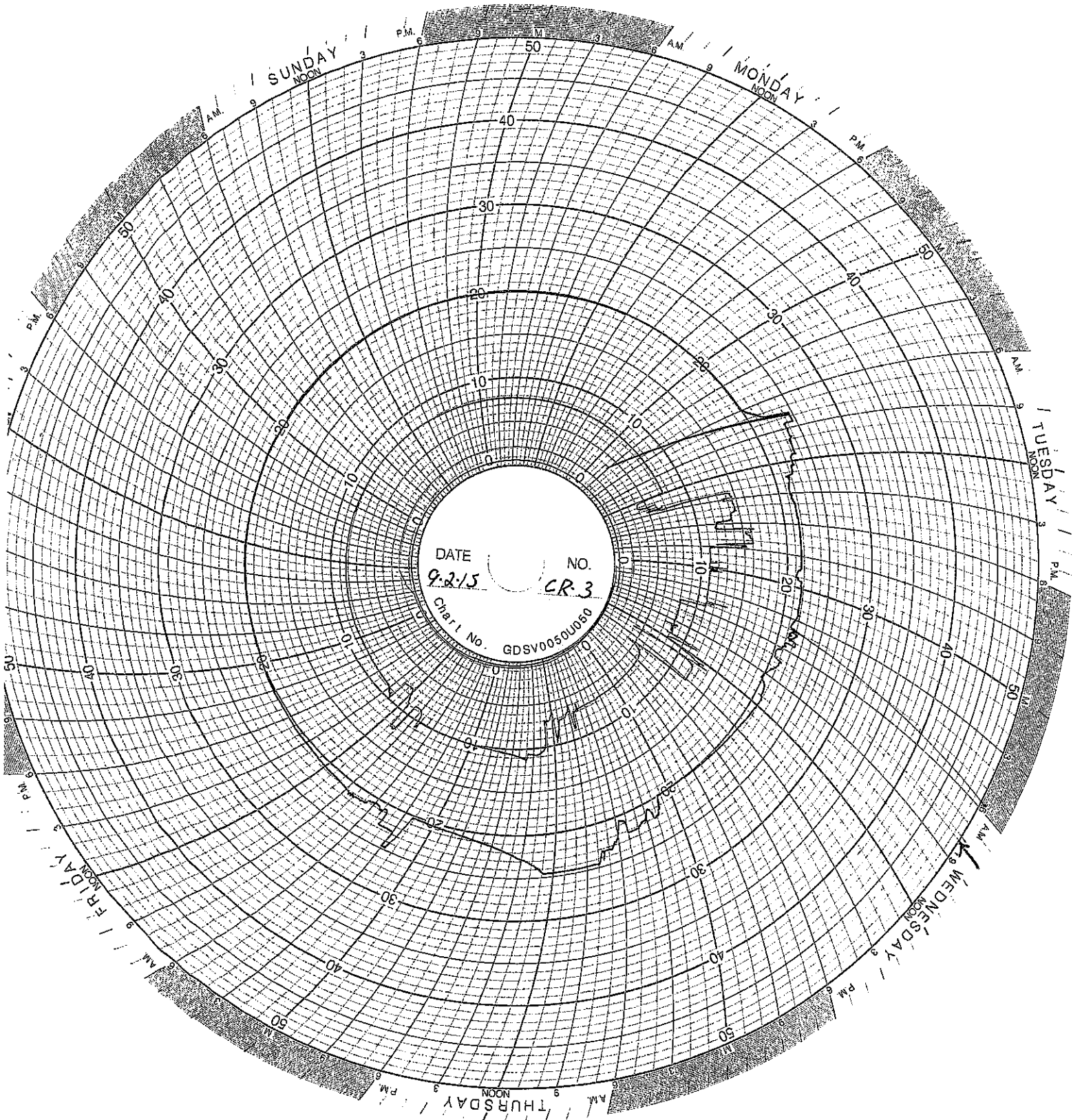
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CR-2

Chart No.

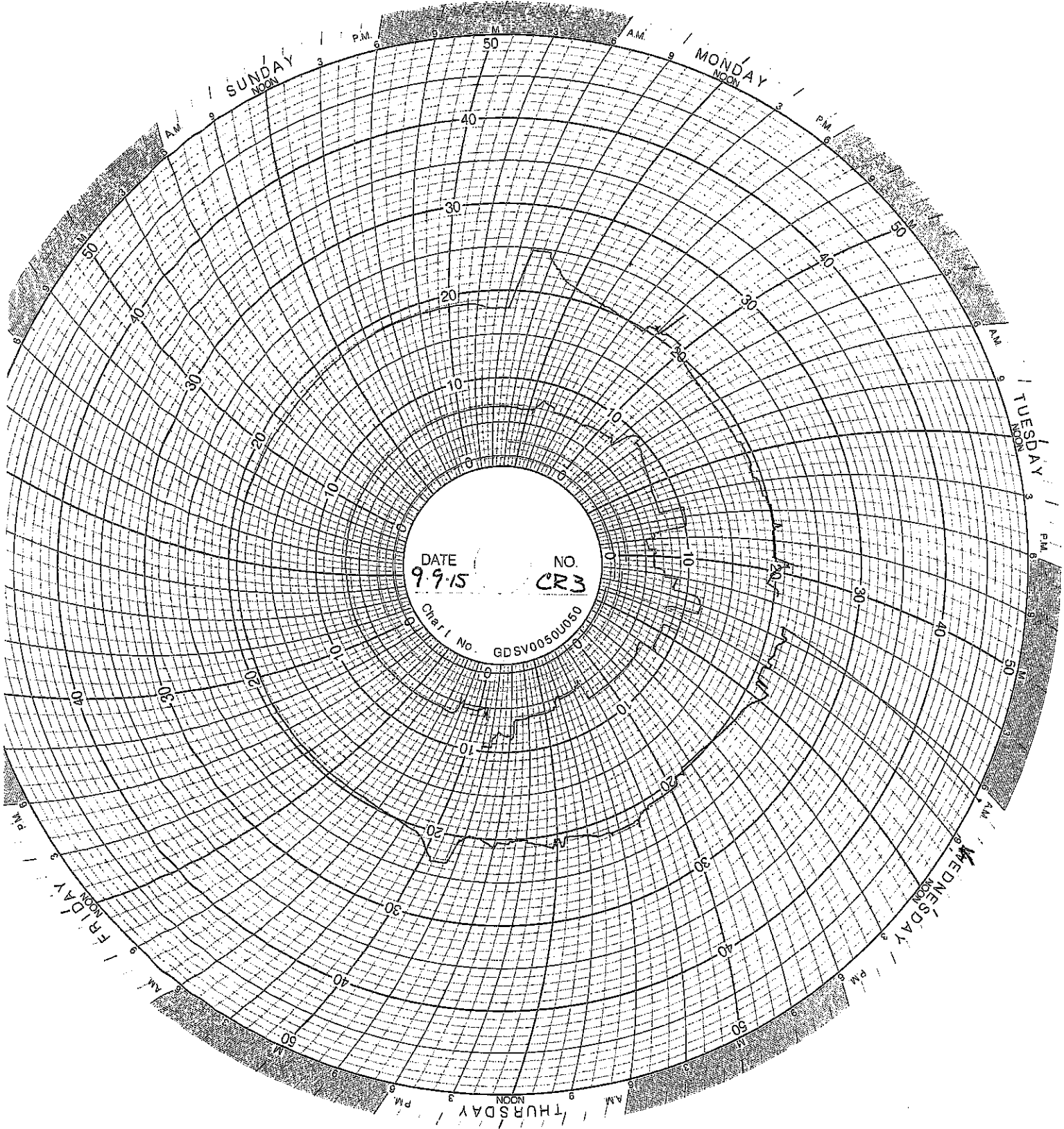
GDSV00501950



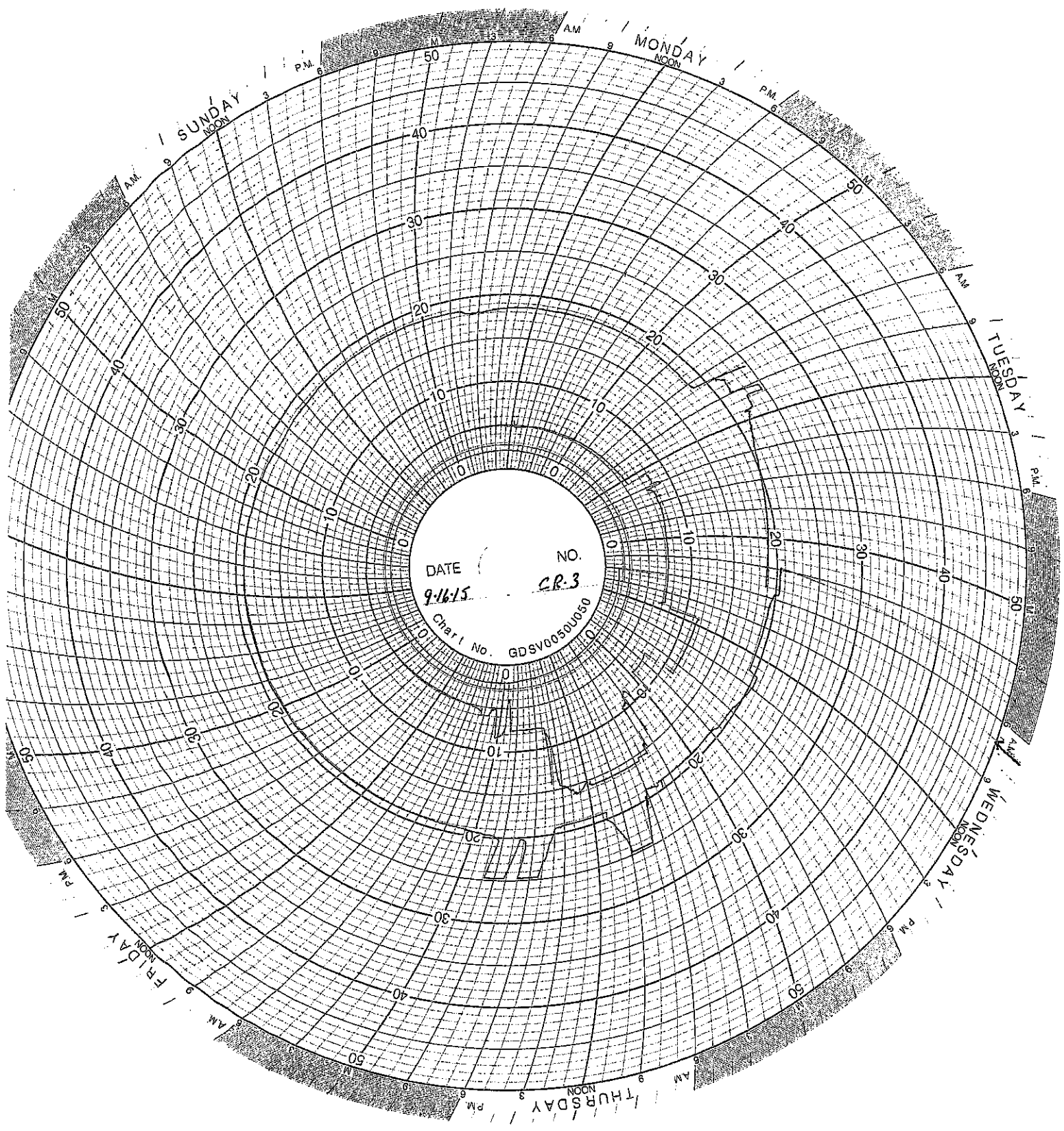


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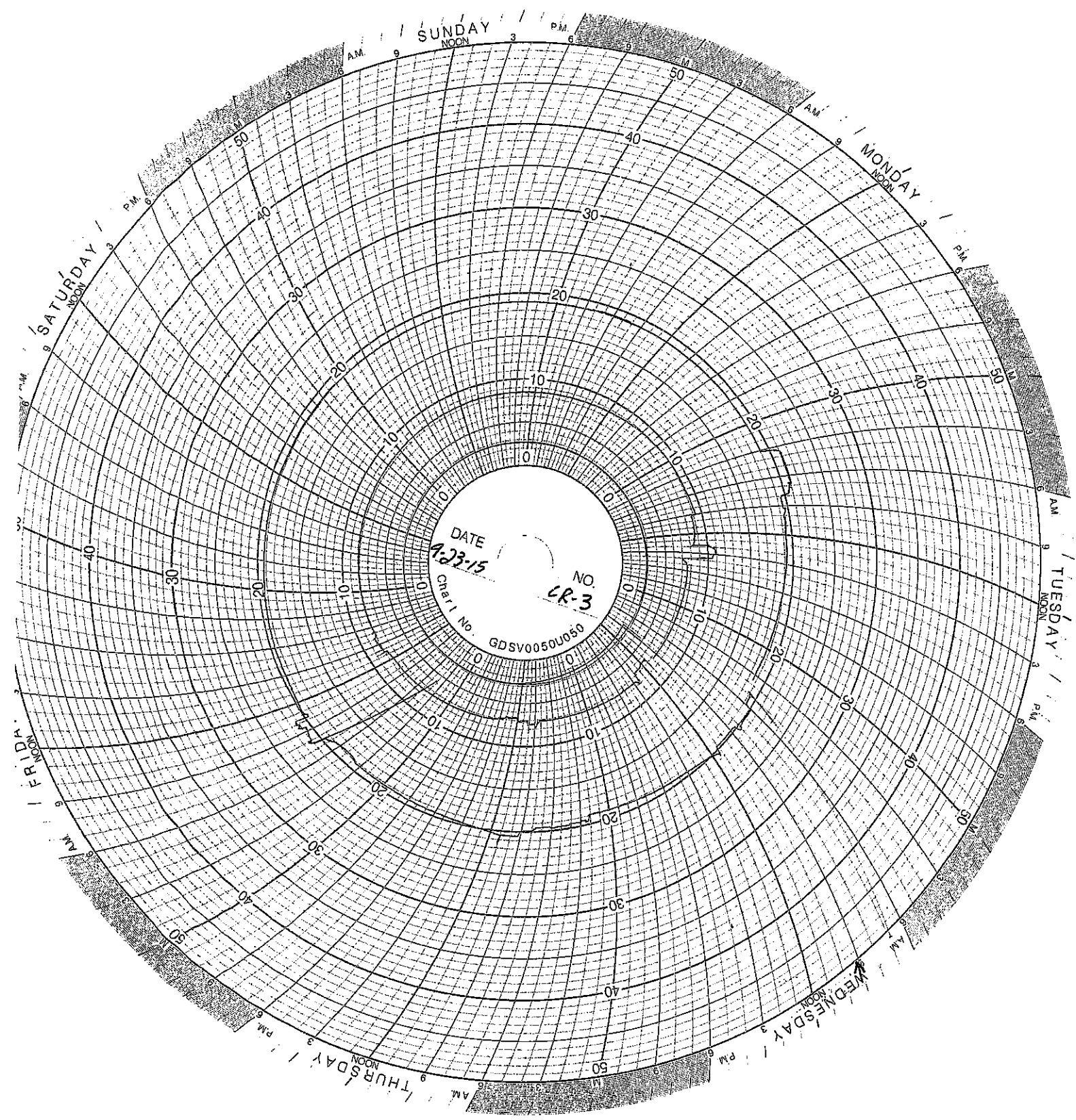
Chart No. GDSV0050U060



DATE 9.9.15 NO. CR3
Chart No. GDSV0050U050



DATE 9-16-15 NO. CR-3
Chart No. GDSV0050U050



SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

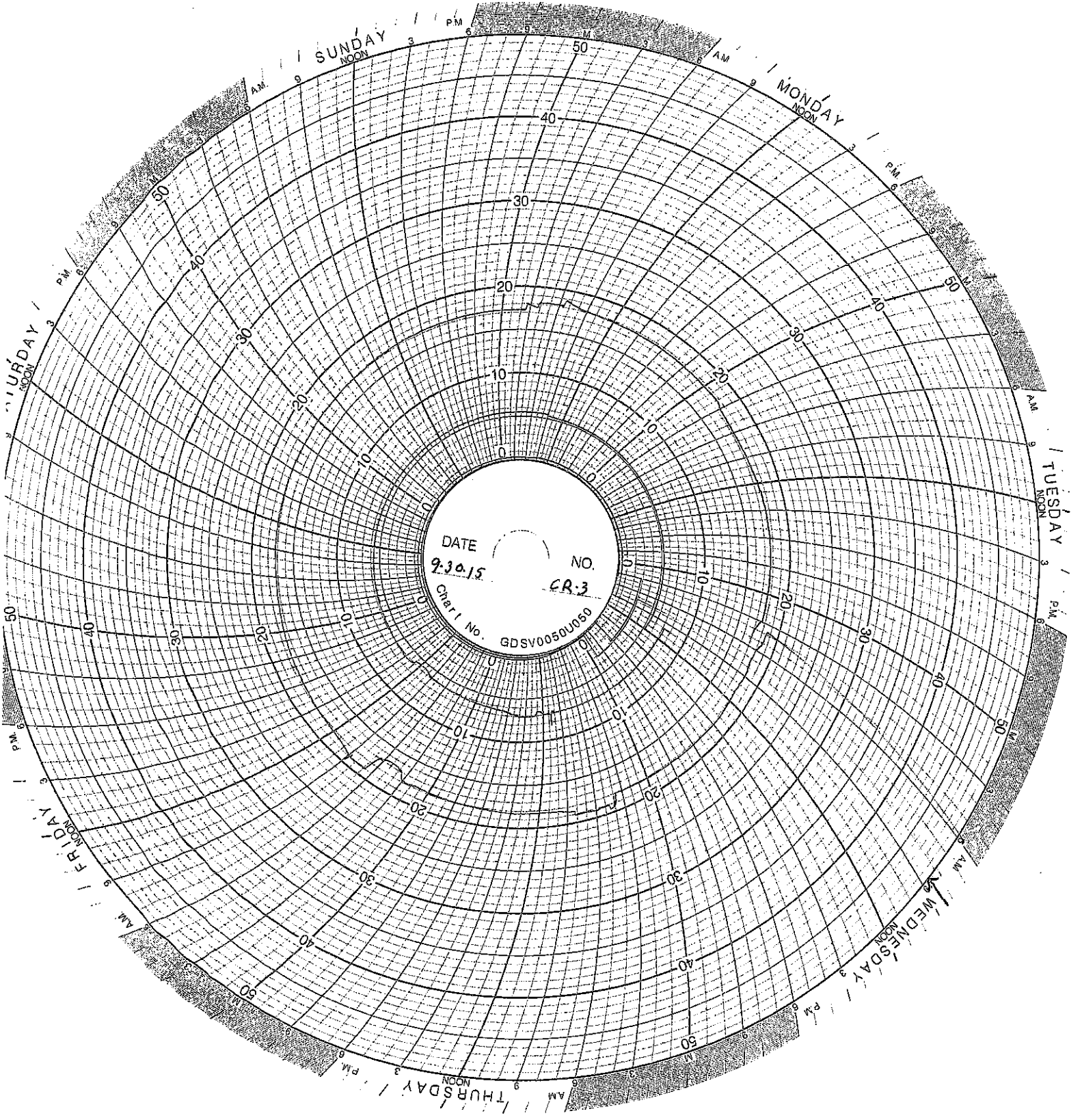
FRIDAY

SATURDAY

DATE
7-23-15

NO.
CR-3

Char. No.
GDSV0050U050



SUNDAY
NOON

MONDAY
NOON

TUESDAY
NOON

WEDNESDAY
NOON

THURSDAY
NOON

FRIDAY
NOON

THURSDAY
NOON

DATE
9.30.15

NO.
CR-3

Chart No. GDSV0050U060

MAINTENANCE LOG

UIC Monthly Maintenance Log

9/1/2015	Annulus well 2	
9/11/2015	SST Tank	Added 57 gallons of diesel fuel to the annulus tank
9/24/2015	Well 2 wellhead valve	Replaced the solenoid on the SST outlet valve Replaced the bottom ring gasket on the bottom valve of the wellhead

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

September 21, 2015

Fiberglass Coupon

The observation is the same as last Month. The coupon is dark orange (rust) in color with similar semi-smooth textures on both sides. There is less of a black coating on the coupon than there was in August. Its cut edges appear sanded. The coupon is free of pits, cracks, swelling, wicking and blemishes.

Hastelloy Coupon

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

Stainless Steel Coupon

The coupon is silver in color with a pock-marked and corroded surface.

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	

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48225
PHONE (313) 885-3585
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:

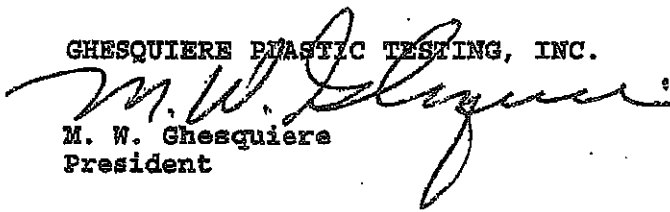
The following determination was made based upon the above test:

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

MWG/kni

Our letters and reports are for the exclusive use of the client to whom they are addressed, and shall not be reproduced except in full without our written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The letters and reports and the name of Ghesquiere Plastic Testing, Inc., are not to be used under any circumstances in advertising to the general public. Samples, extra and related test materials will be destroyed 30 days after the date of the final report unless the client indicates otherwise in writing.

TOTAL 1 PAGES

GHESEQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE
HARPER WOODS, MI 48226
PHONE (313) 885-3535
FAX (313) 885-1771

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

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

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

WORK PERFORMED:

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

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

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1: 90

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

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:

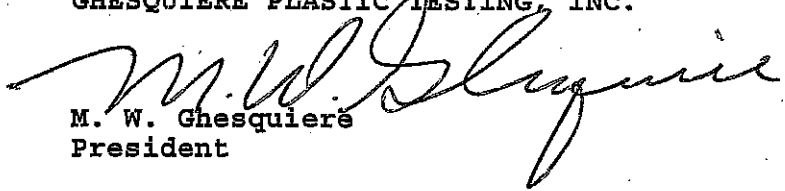
The following determination was made based upon the above test:

BARCOL HARDNESS

	<u>Hardness</u>
Specimen 1	85

Specimen was returned to the client June 16, 2014.

Ghesquiere Plastic Testing, Inc.


M. W. Ghesquiere
President

MWG/dm



Testing. Development. Problem Solving.

October 2, 2014

TEST REPORT

PN 118325

PO Attn: John Frost

PLASTICS TESTING DEPARTMENT

Prepared For:

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

Prepared By:

Missella Martin
Sr. Project Technician

Approved By:

Jim Drummond
Physical & Plastics Testing, Manager



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Toll Free (800) 830-ARDL | Worldwide (330) 794-6600 | Fax (330) 794-6610

October 2, 2014

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
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

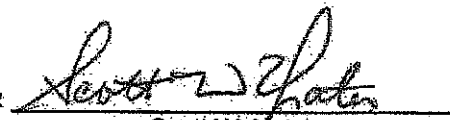
Prepared By:



Melissa Martin
Sr. Project Technician

sf

Approved By:



Scott W. Yates
Plastics Testing Assistant Manager

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**INJECTION
FINGERPRINTS**

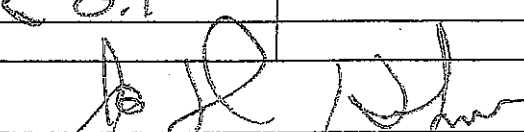
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/14/15
Receiving ID#	IT 09016501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	RP

COPY

LAB INFORMATION: All Waste Shipments		Oilfield Brines Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	1.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.07	TDS	3.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	75°F		
Conductivity	78.2 mS		
% Solids	3.97		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			

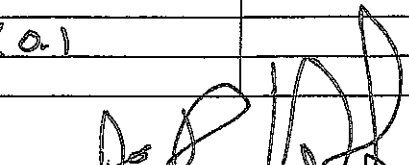
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/1/15
Receiving ID#	T09011502
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J. J.
Sampled by	P. J.

COPY

LAB INFORMATION		Oilfield Brines Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	4.17
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	79°F		
Conductivity	80.3 mS		
% Solids	.41		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

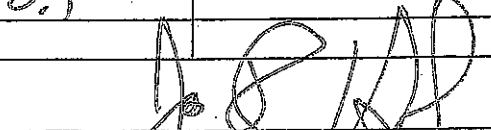
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/2/15
Receiving ID#	IT09021501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	JH

COPY

LAB INFORMATION All Waste Samples		Oilfield Brines Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	22.09
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	75°F		
Conductivity	> 400.0 mS		
% Solids	22.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

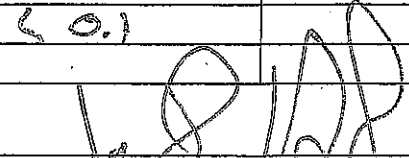
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/2/15
Receiving ID#	J 09021502
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

LAB INFORMATION		Oilfield Brines Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	10.0
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	83°F		
Conductivity	199.5 mS		
% Solids	10.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	0.1		
Radiation Screen (as needed)			
Lab Signature			


FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/3/15
Receiving ID#	T09031501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval#	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	GF

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	10.12
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	78°F		
Conductivity	202.7ms		
% Solids	10.1		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

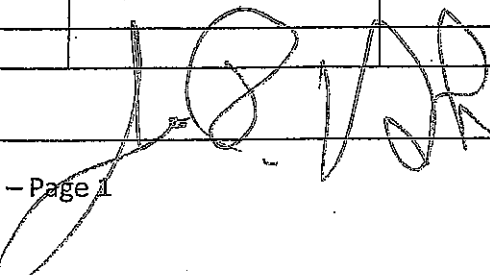
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/3/13
Receiving ID#	T09031502
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

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 190	Magnesium	
pH (S.U.)	0.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.14	TDS	8.0
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	81°F		
Conductivity	159.4 μS		
% Solids	8.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

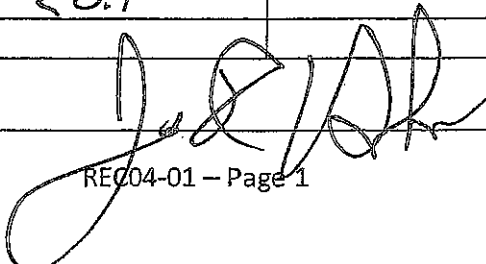
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RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/3/15
Receiving ID#	T 0903/503
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H. FP
Sampled by	

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
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	1.12	TDS	7.0
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	88°F		
Conductivity	139.4 mS		
% Solids	7.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			


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RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/4/15
Receiving ID#	IT 09041501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	BF

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments		Barium	
Compatible? (RT#)	Yes No	Calcium	
PCBs (ppm)(Oily Waste Only)?		Total Iron	
TOC (ppm)(CC Waste Only)?		Magnesium	
Flash Point (°F)	> 140	Sodium Chloride	
pH (S.U.)	2.3	Bicarbonate	
Cyanides? (mg/L)		Carbonate	
Sulfides? (ppm)		TDS	5.47
Specific Gravity	1.20	Resistivity	
Physical Description		Sulfate	
Stream Consistency	Yes No		
Oil in Sample	Yes No		
Temperature	84°F		
Conductivity	108.5mS		
% Solids	5.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

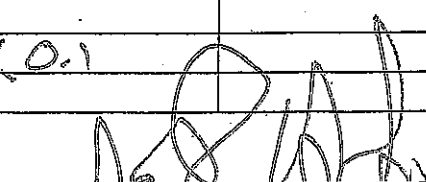
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RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/4/15
Receiving ID#	T09041502
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

LAB INFORMATION All Waste Shipments		Oilfield Brines Only	
Compatible? (RT#)	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.7	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.12	TDS	64%
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	78°F		
Conductivity	128.9 mS		
% Solids	6.4		
Turbidity	Yes <input type="radio"/> No <input type="radio"/>		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

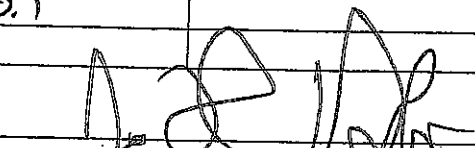
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RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/8/15
Receiving ID#	TR081502
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	PF

COPY

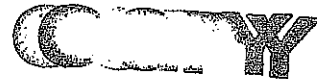
LAB INFORMATION		Oilfield Brines Only	
Air Waste Shipments			
Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.10	TDS	4.9%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	74°F		
Conductivity	97.7 μS		
% Solids	4.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

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RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/8/15
Receiving ID#	T09081501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	ML



LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.13	TDS	27.3%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	94°F		
Conductivity	> 400.0 mS		
% Solids	27.3		
Turbidity	Yes No		
Color (visual)			
TSS (%)	20.1		
Radiation Screen (as needed)			
Lab Signature			

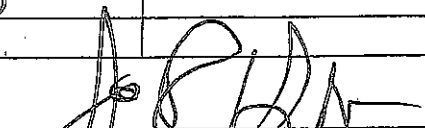
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/9/15
Receiving ID#	IT09091501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	RP

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	140	Magnesium	
pH (S.U.)	2.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	4.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	75°F		
Conductivity	97.7 mS		
% Solids	4.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	(0.)		
Radiation Screen (as needed)			
Lab Signature			

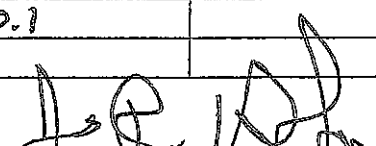
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/10/15
Receiving ID#	T09101501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	DAK

COPY

LAB INFORMATION All Waste Shipments		Oilfield Bines Only	
Compatible? (RT#)	(Yes) No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	12	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	6.07
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	74°F		
Conductivity	118.9 mS		
% Solids	6.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

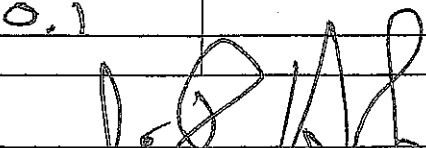
ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/10/15
Receiving ID#	J 09101502
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

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			

Compatible? (RT#)	<u>Yes</u> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.2	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	78°F		
Conductivity	77.3 mS		
% Solids	3.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

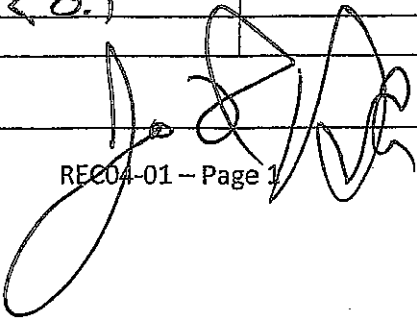
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/10/15
Receiving ID#	T.09101503
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

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.2	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.08	TDS	3.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	79°F		
Conductivity	77.2 mS		
% Solids	3.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

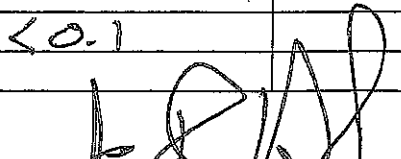
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/11/15
Receiving ID#	T 09111501
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

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.5	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.16	TDS	15.5%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	74°F		
Conductivity	308.8 mS		
% 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

RECEIVING INFORMATION	
Date	9/14/15
Receiving ID#	IO9141501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	JH.
Sampled by	ML

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.14	TDS	7.57
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	91°F		
Conductivity	1516 mS		
% Solids	7.5		
Turbidity	Yes No		
Color (visual)			
TSS (%)	LO.		
Radiation Screen (as needed)			
Lab Signature			

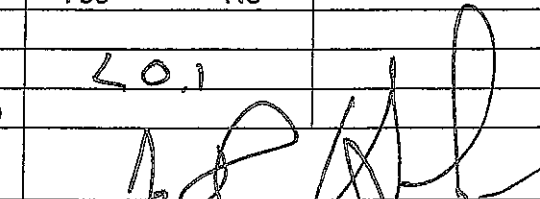
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/15/15
Receiving ID#	IT09151501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval#	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.6	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.20	TDS	9.4%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	71°F		
Conductivity	186.0 mS		
% Solids	9.4		
Turbidity	Yes No		
Color (visual)			
TSS (%)	20.1		
Radiation Screen (as needed)			
Lab Signature			

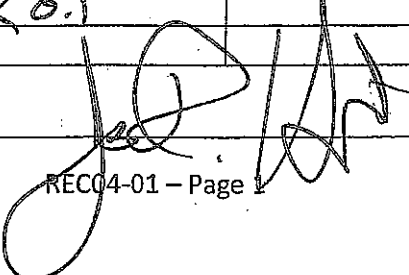
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/13/15
Receiving ID#	T.09151502
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

LAB INFORMATION All Waste Shipments		Oilfield Buries Only	
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.)	2.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.06	TDS	4.27
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	73°F		
Conductivity	82.8ms		
% Solids	4.2		
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

RECEIVING INFORMATION	
Date	9/16/15
Receiving ID#	T.09161501 - w1
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

LAB INFORMATION All Waste Shipments		Oilfield Brines Only	
Compatible? (RT#)	<input checked="" type="checkbox"/> Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)		Magnesium	
pH (S.U.)	1.8 > 140	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.02	TDS	1.62
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	32.3 mS		
% Solids	1.6		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature	[Signature]		

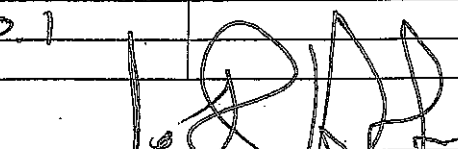
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/17/15
Receiving ID#	T09171501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	S.H.
Sampled by	AP

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	<input checked="" type="checkbox"/> Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.01	TDS	0.29
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	71°F		
Conductivity	4.4 mS		
% Solids	0.2		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

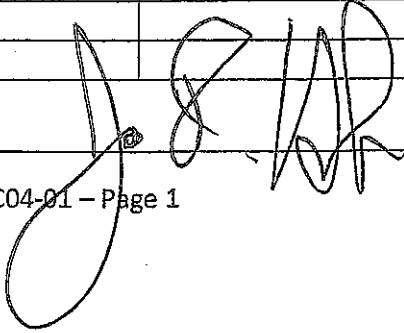
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/17/15
Receiving ID#	T.09171502
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

LAB INFORMATION All Waste Shipments		Oilfield Brines Only	
Compatible? (RT#)	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.05	TDS	3.1%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	61.9 mS		
% Solids	3.1		
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	9/17/13
Receiving ID#	L 09171503
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>J.H.</i>
Sampled by	<i>[Signature]</i>

COPY

LAB INFORMATION All Waste Shipments		Oilfield Brines Only	
Compatible? (RT#)	<input checked="" type="radio"/> Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.19	TDS	34.6%
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	73°F		
Conductivity	> 400.0 mS		
% Solids	34.6		
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

RECEIVING INFORMATION	
Date	9/22/15
Receiving ID#	T09221501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
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	5.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	84°F		
Conductivity	115.0 mS		
% Solids	5.9		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9.23.15
Receiving ID#	T09231501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	<i>KF</i>
Sampled by	<i>[Signature]</i>

COPY

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
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	1.12	TDS	6.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	73 °F		
Conductivity	136.1 mS		
% Solids	6.8		
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

RECEIVING INFORMATION	
Date	9/23/15
Receiving ID#	T 09251502
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

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments		Barium	
Compatible? (RT#)	Yes No	Calcium	
PCBs (ppm)(Oily Waste Only)?		Total Iron	
TOC (ppm)(CC Waste Only)?		Magnesium	
Flash Point (°F)	> 140	Sodium Chloride	
pH (S.U.)	1.6	Bicarbonate	
Cyanides? (mg/L)		Carbonate	
Sulfides? (ppm)		TDS	4.32
Specific Gravity	1.07	Resistivity	
Physical Description		Sulfate	
Stream Consistency	Yes No		
Oil in Sample	Yes No		
Temperature	74°F		
Conductivity	86.4 mS		
% Solids	4.3		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

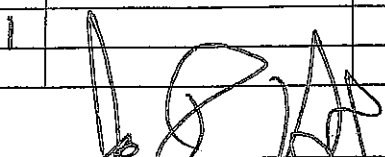
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/24/15
Receiving ID#	L09241501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	SP

COPY

LAB INFORMATION		Offield Brines Only	
All Waste Shipments			
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	1.07	TDS	4.77
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	83.7 mS		
% Solids	4.1		
Turbidity	Yes No		
Color (visual)			
TSS (%)	<0.1		
Radiation Screen (as needed)			
Lab Signature			

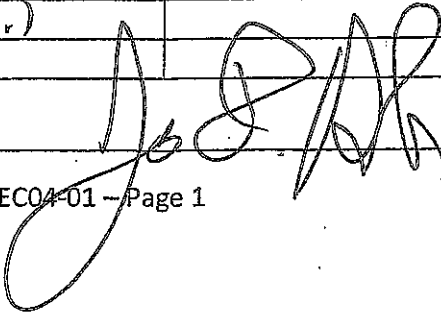
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/24/15
Receiving ID#	T.092415D2
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

LAB INFORMATION All Waste Shipments		Oilfield Brines Only	
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.)	0.9	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.09	TDS	7.07
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	139.2 mS		
% Solids	7.0		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

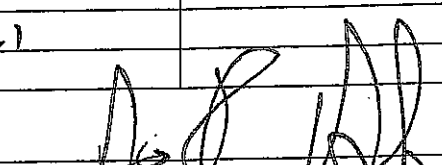
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/25/15
Receiving ID#	T0925/501
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

LAB INFORMATION		Offfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	0.3	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.15	TDS	23.82
Physical Description:		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	71°F		
Conductivity	> 400.0 mS		
% Solids	23.8		
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	9/29/15
Receiving ID#	T09291501
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	

COPY

LAB INFORMATION All Waste Shipments		Onfield Bites Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	1.1	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.12	TDS	8.87
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	77°F		
Conductivity	175.3 μS		
% Solids	8.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

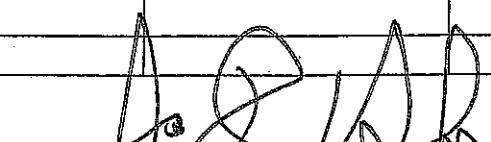
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/29/15
Receiving ID#	T.09291502
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	R.M.

COPY

LAB INFORMATION All Waste Shipments		Oilfield Brines Only	
Compatible? (RT#)	Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?		Calcium	
TOC (ppm)(CC Waste Only)?		Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	2.4	Sodium Chloride	
Cyanides? (mg/L)		Bicarbonate	
Sulfides? (ppm)		Carbonate	
Specific Gravity	1.06	TDS	3.97
Physical Description		Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	73°F		
Conductivity	76.5 mS		
% Solids	3.8		
Turbidity	Yes No		
Color (visual)			
TSS (%)	< 0.1		
Radiation Screen (as needed)			
Lab Signature			

**WASTE STREAMS
CHARACTERIZATIONS**

GENERATOR INFORMATION

Name: _____ USEPA ID #: _____
 Facility Address: _____ SIC/NAICS Code: _____ State Code: _____
 City: _____ State: _____ Zip Code: _____
 Contact: _____ Title: _____ Phone: _____ Fax: _____

BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

CAUSTIC CLEANER

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

PARTS CLEANING (NaOH + KOH)

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 checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.10</u>	Report 091715
--	---	---	---	------------------

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

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

VOC CONCENTRATION - -0- PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>potassium hypochlorite</u>	<u>20</u>	<u>1</u>			
<u>water</u>	<u>99</u>	<u>50</u>			
<u>cleaning agent</u>	<u>3</u>	<u>0</u>			
<u>silica</u>	<u>20</u>	<u>0</u>			
<u>sodium hypochlorite</u>	<u>20</u>	<u>1</u>			

RESAMPLED &
 REANALYZED ON
 09.11.15
 acceptable
 091115

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

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

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

IS WASTE ANY OF THE FOLLOWING? At Least One Box Must Be Checked.
 Radioactive Water Reactive Oxidizer Shock Sensitive Reactive (other) DOT Explosives
 NIOSH Human-Positive Carcinogens NESHAP Wastes (Benzene, etc.) Biological None Apply

SHIPPING INFORMATION

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 RDUN 3267, Wash Corrosive Liquid, basic, inorganic, n.o.s. Hazard Class B UNNA 3267
- PG I ERG _____ Hazardous Constituents for "n.o.s." Potassium hydroxide solution
4. Method of Shipment: Bulk Tanker Van truck Rail Car Drums Totes
5. Number of Units to Ship Now: 1 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.

Printed Name: _____ Title: _____
Generator's Signature: _____ Date: 04-16-15

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. GRAB SAMPLE 2. _____
 SAMPLING METHOD COLLECTION POINT

3. MATTHEW BELL ENVIRONMENTAL ENGINEER
 SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER

4. Sample No. _____ Preservation: Yes No

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

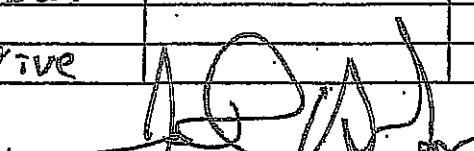
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			<u>Matthew Bell</u>	<u>4-8-15</u>	<u>11:15</u>

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/11/15
Receiving ID#	Caustic Clean
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	
Transporter	
Time in	
Time out	
Received by	J.A.
Sampled by	Client

LAB INFORMATION		On Field Bins Only	
Waste Shipments			
Compatible? (RT#)	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium	
PCBs (ppm)(Oily Waste Only)?	N/A	Calcium	
TOC (ppm)(CC Waste Only)?	N/A	Total Iron	
Flash Point (°F)	> 140	Magnesium	
pH (S.U.)	13.7	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	1.10	TDS	
Physical Description	liquid w/ P	Resistivity	
Stream Consistency	<input checked="" type="radio"/> Yes <input type="radio"/> No	Sulfate	
Oil in Sample	Yes <input checked="" type="radio"/> No		
Temperature	76°F		
Conductivity	115.9 mS		
% Solids	15.1		
Turbidity	<input checked="" type="radio"/> Yes <input type="radio"/> No		
Color (visual)	Brown		
TSS (%)	0.1		
Radiation Screen (as needed)	Negative		
Lab Signature			

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00688**

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID #: [REDACTED]
 Facility Address: [REDACTED] SIC/NAICS Code: [REDACTED] State Code: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Contact: [REDACTED] Title: [REDACTED] Phone: [REDACTED]

BILLING INFORMATION (SAME AS ABOVE)

Company Name: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Attention: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name:
ACID WASTE
 Process Generating Waste (Please be specific, incomplete information may delay the approval process):
COMBO OF HYDROCHLORIC + NITRIC
TRACE METHANOL

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: W002

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-3% <input type="checkbox"/> >5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other _____	acceptable 090315
--	---	---	---	----------------------

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

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>HCL</u>	<u>5</u>	<u>3</u>			
<u>HNO3</u>	<u>5</u>	<u>3</u>			
<u>METHANOL</u>	<u>5</u>	<u>3</u>			
<u>BALANCE H2O</u>					

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

Lab Analysis

Generator Knowledge

TCLP

TOTAL

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

TCLP Organics D012 - 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 5,000 lbs
- DOT Shipping Name HAZARDOUS WASTE, LIQUID, N.O.S. Hazard Class 9 UN/NA 3082
- PG IV ERG _____ Hazardous Constituents for "n.o.s." HYDROCHLORIC ACID - NITRIC
- Method of Shipment: Bulk Tanker Vao truck Rail Car Drums Totes
- Number of Units to Ship Now: 600 6. Anticipated Volume / Units per Year: 2400 gal or One Time
- Special Handling Requirements including PPE: NONE

CERTIFICATION STATEMENT

I hereby represent and warrant that I have personally examined and am familiar with the information contained and submitted in this and all attached documents. Based on my inquiry and personal knowledge of those individuals responsible for supplying or obtaining the information, the information contained herein is true, accurate, and complete to the best of my knowledge and belief. Furthermore, no material fact has been omitted 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 ch...

Printed Name: _____ Title: _____
Generator's Signature: _____ Date: _____

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.

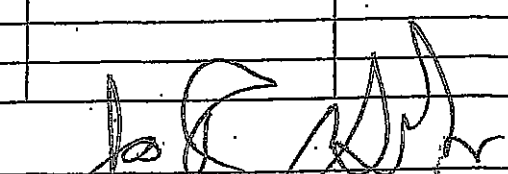
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/3/15
Receiving ID#	HCL
Manifest# Line:	
Land Ban Cert Included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	[REDACTED]
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Client

LAB INFORMATION All Waste Shipments		Onfield Bins Only
Compatible? (RT#)	<input checked="" type="radio"/> Yes <input type="radio"/> No	Barium
PCBs (ppm)(Oily Waste Only)?	N/A	Calcium
TOC (ppm)(CC Waste Only)?	N/A	Total Iron
Flash Point (°F)	> 140	Magnesium
pH (S.U.)	0.8	Sodium Chloride
Cyanides? (mg/L)	< 30	Bicarbonate
Sulfides? (ppm)	< 200	Carbonate
Specific Gravity	0.96	TDS
Physical Description	liquid	Resistivity
Stream Consistency	<input checked="" type="radio"/> Yes <input type="radio"/> No	Sulfate
Oil in Sample	Yes <input checked="" type="radio"/> No	
Temperature	78°F	
Conductivity	47.7mS	
% Solids	< 0.1	
Turbidity	Yes <input checked="" type="radio"/> No	
Color (visual)	Yellow	
TSS (%)	< 0.1	
Radiation Screen (as needed)	Negative	
Lab Signature		

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # 00689

GENERATOR

Name: _____ USEPA ID # _____
 Facility Address: _____ SIC/NAICS Code: _____ State Code: _____
 City: _____ State: _____ Code: _____
 Contact: _____ Title: _____ Phone: _____ Fax: _____

BILLING INFORMATION SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

ALKALINE MIX

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

ELECTRO CLEANER - SOAK CLEANER

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 checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1% <input type="checkbox"/> 3-5% <input type="checkbox"/> 1-3% <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4 Exact / Other _____	<i>acceptable</i> <u>090315</u>
--	--	---	---	------------------------------------

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

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>CAUSTIC SODA</u>	<u>5</u>	<u>10</u>			
<u>SODA ASH</u>	<u>5</u>	<u>10</u>			
<u>REARER OF SODA</u>	<u>5</u>	<u>10</u>			

WALAN 9% H2O

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

Lab Analysis Generator Knowledge

TCLP TOTAL

	<u>Not Present</u>	<u>Concentration</u>	<u>Not Present</u>	<u>Concentration</u>
PCB	<input type="checkbox"/>	_____ ppm	Aromatic Amine	<input type="checkbox"/> _____ ppm
Dioxins	<input type="checkbox"/>	_____ ppm	Pesticides	<input type="checkbox"/> _____ ppm
Cyanides Reactive	<input type="checkbox"/>	_____ ppm	Rodenticides	<input type="checkbox"/> _____ ppm
Cyanides Total	<input type="checkbox"/>	_____ ppm	Fungicides	<input type="checkbox"/> _____ ppm
Sulfides Reactive	<input type="checkbox"/>	_____ ppm		
Sulfides Total	<input type="checkbox"/>	_____ ppm		

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

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

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

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

SHIPPING INFORMATION

1. Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? Yes No
2. Reportable Quantity (RQ) in pounds 5,000
3. DOT Shipping Name CORROSIVE LIQUID Hazard Class 9 UN/NA _____
PG II ERG _____ Hazardous Constituents for "n.o.s." ALKALINE
4. Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
5. Number of Units to Ship Now: 600 6. Anticipated Volume / Units per Year: 1500 or One Time
6. Special Handling Requirements including PPE: NONE

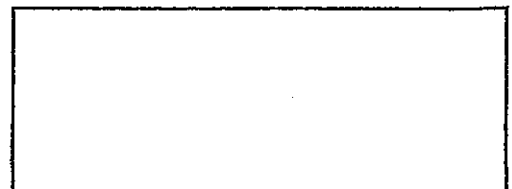
CERTIFICATION STATEMENT

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

X Printed Name: _____ Title: _____
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.

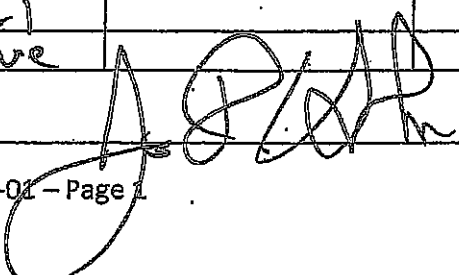
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	8/3/15
Receiving ID#	Alkaline Sol.
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Client

LAB INFORMATION		Oilfield Brines Only	
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.)	13.4	Sodium Chloride	
Cyanides? (mg/L)	230	Bicarbonate	
Sulfides? (ppm)	2200	Carbonate	
Specific Gravity	1.04	TDS	
Physical Description	Liquid	Resistivity	
Stream Consistency	(Yes) No	Sulfate	
Oil in Sample	Yes (No)		
Temperature	78°F		
Conductivity	60.8 mS		
% Solids	4.9		
Turbidity	Yes (No)		
Color (visual)	Brown		
TSS (%)	20.1		
Radiation Screen (as needed)	Negative		
Lab Signature			

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00690**

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID: [REDACTED]
 Facility Address: [REDACTED] SIC/NAICS Code: [REDACTED] State Code: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Contact: [REDACTED] Title: [REDACTED] Phone: [REDACTED] Fax: [REDACTED]

BILLING INFORMATION SAME AS ABOVE

Company Name: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Attention: [REDACTED] Phone: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: SHOP OIL & WATER & COOLANTS

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

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: 0211 0192

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input checked="" 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 _____	<i>acceptable</i> <i>090315</i>
--	---	---	---	------------------------------------

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

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>OIL</u>	<u>50</u>	<u>50</u>			
<u>WATER</u>	<u>10</u>	<u>10</u>			

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

Lab Analysis Generator Knowledge TCLP TOTAL

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

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

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

SHIPPING INFORMATION

- Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? Yes No
- Reportable Quantity (RQ) in pounds 5,000
- DOT Shipping Name Not Regulated Hazard Class UN/NA
- PG ERG Hazardous Constituents for "n.o.s." _____
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: 600 6. Anticipated Volume / Units per Year: 1500 GAL or One Time
- Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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

Printed Name _____ Title _____
Generator's Signature _____ Date _____

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

RECEIVING INFORMATION	
Date	8/3/15
Receiving ID#	Coolants: 0.1
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	[REDACTED]
Transporter	
Time in	
Time out	
Received by	C.H.
Sampled by	Christ

LAB INFORMATION		Oilfield Brines Only	
All Waste Samples			
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.)	9.1	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	0.72	TDS	
Physical Description	liquid	Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	71°F		
Conductivity	< 0.1 mS		
% Solids	0.1		
Turbidity	Yes No		
Color (visual)	lt. yellow		
TSS (%)	< 0.1		
Radiation Screen (as needed)	Negative		
Lab Signature	[Signature]		

GENERATOR'S WASTE PROFILE

CONFIDENTIAL BUSINESS DOCUMENT

ENVIRONMENTAL DISPOSAL SYSTEMS, INC.

00702 00032

28470 Citrin Drive * Romulus, MI 48174 * Telephone (734) 946-1000 * Facsimile (734) 946-1002



GENERATOR INFORMATION

Name: [REDACTED] EPA ID #: [REDACTED]

Facility Address: [REDACTED] SIC Code: [REDACTED] State Code: [REDACTED]

City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]

Contact: [REDACTED] Phone: [REDACTED] Fax: [REDACTED]

BILLING INFORMATION SAME AS ABOVE

Company Name: [REDACTED]

Address: [REDACTED]

City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]

Attention: [REDACTED]

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5 %	Layers: <input type="checkbox"/> Multi layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phased	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 _____	Specific Conductance
--	--	--	---	-----------------------------

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

TOTAL COMPOSITION OF WASTE - THE TOTAL COMPOSITION MUST BE EQUAL TO OR GREATER THAN 100%

	MIN	MAX	MIN	MAX
SODIUM CHLORIDE	10	15 %		
SODIUM NITRATE	1	6 %		
AMMONIUM CHLORIDE	1	5 %		
IRON OXIDE		2.5 %		
WATER		100 %		
TOTAL:		100 %	TOTAL:	

Indicate if this waste contains any of the following:

Lab Analysis Generator Knowledge

	Not Present	Concentration		Not Present	Concentration		Not Present	Concentration
PCB	<input checked="" type="checkbox"/>	_____ ppm	Aromatic Amine	<input checked="" type="checkbox"/>	_____ ppm	Arsenic (As)	<input type="checkbox"/>	< 5 ppm
Dioxin	<input checked="" type="checkbox"/>	_____ ppm	Pesticides	<input checked="" type="checkbox"/>	_____ ppm	Barium (Ba)	<input type="checkbox"/>	<100 ppm
Phenolics	<input checked="" type="checkbox"/>	_____ ppm	Rodenticides	<input checked="" type="checkbox"/>	_____ ppm	Cadmium (Cd)	<input type="checkbox"/>	< 1 ppm
Cyanides	<input checked="" type="checkbox"/>	_____ ppm	Fungicides	<input checked="" type="checkbox"/>	_____ ppm	Chromium (Cr)	<input type="checkbox"/>	< 5 ppm
	<input checked="" type="checkbox"/>	_____ ppm	Urea/Thiourea	<input checked="" type="checkbox"/>	_____ ppm	Lead (Pb)	<input type="checkbox"/>	< 5 ppm
Sulfides	<input checked="" type="checkbox"/>	_____ ppm	Phenols	<input checked="" type="checkbox"/>	_____ ppm	Mercury (Hg)	<input type="checkbox"/>	< 0.2 ppm
	<input checked="" type="checkbox"/>	_____ ppm	Quinones	<input checked="" type="checkbox"/>	_____ ppm	Selenium (Se)	<input type="checkbox"/>	< 1 ppm
Phosphorus Compds.	<input checked="" type="checkbox"/>	_____ ppm				Silver (Ag)	<input type="checkbox"/>	< 5 ppm
						Thallium (Tl)	<input type="checkbox"/>	<120 ppm
						Sulfur (S)	<input type="checkbox"/>	<5000 ppm

-0- VOCs

GENERATOR'S WASTE PROFILE

WASTE INFORMATION

Name of Waste/Common Chemical Name: TREATED PROCESS WATER

Process Generating Waste (be specific):

PROCESS WATER FROM HYDROMETALLURGICAL REFINING

This waste is considered to be: Non Hazardous Hazardous

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

- Radioactive Ignitable Solid Pyrophoric Water Reactive Biological Oxidizer
 Shock Sensitive Reactive (other) Activated Carbon Asbestos Reactive Metal Powders None Apply
 Nitro Cellulose/Lacquer Dust NIOSH Human-Positive Carcinogens NESHAP Wastes (Benzene, etc)

USEPA / STATE WASTE IDENTIFICATION

- 1. Hazardous Waste (40CFR 261 Subparts C & D or MI Act 451 Part 111) or Liquid Industrial Waste (MI Act 451 Part 121)? Yes No
2. Regulated by TSCA? Yes No (PCBs, etc.)
3. List ALL Applicable Waste Codes: 0296

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 Hazard Class UN/NA
PG ERG Hazardous Constituents for "n.o.s."
4. Method of Shipment: Bulk Tanker Van truck Rail Car Inner Containers (Loose-Packs) Yes No
5. Number of Units to Ship Now: 6. Anticipated Volume / Units per Year: 1-1.5 M. GAL or One Time

SPECIAL HANDLING INFORMATION

LAND DISPOSAL RESTRICTION NOTIFICATION ATTACHED YES NO

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 Disposal Systems not to correct any inconsistencies. Any corrections Environmental Disposal Systems makes will be consistent with the results of the sample characterization and regulatory requirements.

Printed Name: Generator's Signature: Date:

L. GENERATOR'S CHAIN OF CUSTODY RECORD

INSTRUCTIONS: Collect a representative 1-pint sample of the waste described in the above referenced GENERATOR'S WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. Complete all items on the label, then remove the label and affix it to the sample bottle. If you have problems obtaining a representative sample of your waste, please contact your Environmental Disposal Services representative.

- 1. SAMPLING METHOD: (indicate method / utensils employed in sampling)
2. SAMPLE SOURCE: (indicate drum, tank, pit, etc.)
3. SAMPLE LABEL FOR SAMPLE SUBMITTAL: Sample No. Complete the attached label, peel off, and affix to your sample container and mail.

CONFIDENTIAL BUSINESS DOCUMENT

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

Table with 6 columns: Relinquished by: (Signature), Date, Time, Received by: (Signature), Date, Time

PROFILE # 00032

INTERNAL APPROVAL

Treated Process Water Profile



November 19, 2003

Revised: December 13, 2004

Annual volume: 1,000,000 - 1,500,000 gallons

Specific Gravity: 1.07

pH: 7.5 - 9

Sodium Chloride: 10 - 15%

Sodium Nitrate: 1 - 6%

Ammonium Chloride: 1 - 5%

Iron oxide: < 0.5%

Soluble Metals:

	<u>Maximum Concentration, ppm</u>
Antimony	5
Arsenic	1.0
Barium	10
Bismuth	1.0
Cadmium	0.5
Chromium	1.0
Copper	10
Iron	10
Lead	1.0
Mercury	0.1
Molybdenum	40
Nickel	20
Selenium	0.5
Silver	3.0
Tin	1.0
Zinc	20

acceptable
092315
⓪

CONFIDENTIAL BUSINESS
DOCUMENT



In-House Analytical Report

Date: 3-15-06

Type of Analysis: Mandatory - Prequal

Generator: 

Matrix: Liquid

Sample Tracking #: 00032

<u>Analyses</u>	<u>Result</u>	<u>DL</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Chemist</u>
Temperature	66	62	Degrees C	3-15-06	RJM
pH (Hydrogen Ion)	7.9	0	pH Units	3-15-06	RJM
Flashpoint	>140	70	Degrees F	3-15-06	RJM
Reactivity, Cyanide	N/D	1	mg/Kg	3-15-06	RJM
Reactivity, Sulfide	<5	5	mg/Kg	3-15-06	RJM
Specific Gravity (Liquids, Hydrometer)	1.062		n/a	3-15-06	RJM
Total Suspended Solids	<1%	1.0	mg/L	3-15-06	RJM
Total Dissolved Solids		5.0	mg/L		
Specific Conductance	83000	1.0	umhos/cm	3-15-06	RJM
Color	Slight Brown				
Turbidity	Mild				


Supervisor Signature

3/15/06

Date



RTI LABORATORIES, INC.

31628 Glendale St.
Livonia, Michigan 48150
TEL: 734.422.8000
FAX: 734.422.5342
Website: www.rtilab.com

Analytical Report

(consolidated)

WO#: 0603614

Date Reported: 3/15/2006

CLIENT:

Collection Date: 3/13/2006

Project:

Lab ID:

Matrix: WATER

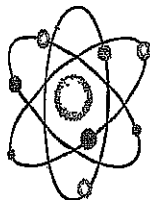
Client Sample ID:

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
INORGANIC ANIONS		E300.0				Analyst: MW
Bromide	ND	50		mg/L	1	3/14/2006 1:16:00 PM
Nitrite	ND	50		mg/L	1	3/14/2006 1:16:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- M Manual Integration used to determine area response
- RL Reporting Detection Limit



Midwest Analytical Services, Inc.

"Where industry comes for answers."

2905 Hilton Rd.
Ferndale, MI 48220

All test reports include a chain of custody and a cover sheet.

Phone: (248) 591-6660
MI Only: (888) 801-4MAS
Fax No: (248) 591-6668



Test Report

Order ID: 0603089
MAS Sample #: 060309047
Date Completed: 03/20/2006

Sample Identification: 

Physical Description: 

Sample Date: 03/08/2006

Method Number	Parameter	Result	Units	EQL	Analyst	Date Analyzed	Data Flag
SM 4500-CL B	Chloride	100000	mg/L	2500	DC	03/16/2006	
SM 4500-F C	Fluoride	1.3	mg/L	1.0	DC	03/16/2006	
SM 2340B	Hardness	250	mg/L	2.5	MV	03/16/2006	
SM 4500-NO3 D	Nitrate	5000	mg/L	250	DC	03/16/2006	
EPA 375.4	Sulfate	13000	mg/Kg	25000	DC	03/17/2006	
EPA 160.1	Total Dissolved Solids	180000	mg/L	10	DC	03/16/2006	
SW 846 6010B	Sodium	33000	mg/Kg	2.5	MV	03/16/2006	
SW 846 6010B	Potassium	120	mg/Kg	18	MV	03/16/2006	

Charles Hindbaugh

Charles Hindbaugh

Quality Manager

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00703**

GENERATOR INFORMATION

Name: _____ USEPA ID# _____
 Facility Address: _____ SIC/NAICS Code: _____ State Code: _____
 City: _____ State: _____ Zip Code: _____
 Contact: _____ Fax: () _____

BILLING INFORMATION SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Waste Caustic

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

Cleaning Fabricated Metals

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: D007 D002

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <u>Concrete</u>	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> BI-Layered <input checked="" type="checkbox"/> Single Phase	Specific Gravity: <input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other <u>1.02</u>	<i>acceptable</i> <u>092315</u>
---	---	---	---	------------------------------------

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

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>Caustic</u>	<u>30</u>	<u>1</u>			
<u>Water</u>	<u>99</u>	<u>60</u>			
<u>Solids</u>	<u>1</u>	<u>0</u>			

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

<input type="checkbox"/> Lab Analysis	<input checked="" type="checkbox"/> Generator Knowledge	<input type="checkbox"/> TCLP	<input type="checkbox"/> TOTAL							
	Not Present	Concentration	Not Present	Concentration						
PCB	<input type="checkbox"/>	_____ ppm	Aromatic Amine	<input type="checkbox"/>	_____ ppm	Arsenic (As)	D004	<input checked="" type="checkbox"/>	5 ppm	_____ ppm
Dioxins	<input type="checkbox"/>	_____ ppm	Pesticides	<input type="checkbox"/>	_____ ppm	Barium (Ba)	D006	<input checked="" type="checkbox"/>	100 ppm	_____ ppm
Cyanides Reactive	<input type="checkbox"/>	_____ ppm	Rodenticides	<input type="checkbox"/>	_____ ppm	Cadmium (Cd)	D008	<input checked="" type="checkbox"/>	1 ppm	_____ ppm
Cyanides Total	<input type="checkbox"/>	_____ ppm	Fungicides	<input type="checkbox"/>	_____ ppm	Chromium (Cr)	D007	<input checked="" type="checkbox"/>	5 ppm	25 ppm
Sulfides Reactive	<input type="checkbox"/>	_____ ppm				Lead (Pb)	D008	<input checked="" type="checkbox"/>	5 ppm	_____ ppm
Sulfides Total	<input type="checkbox"/>	_____ ppm				Mercury (Hg)	D009	<input checked="" type="checkbox"/>	0.2 ppm	_____ ppm
						Selenium (Se)	D010	<input checked="" type="checkbox"/>	1 ppm	_____ ppm
						Silver (Ag)	D011	<input checked="" type="checkbox"/>	5 ppm	_____ ppm

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

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

SHIPPING INFORMATION

- Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? Yes No
- Reportable Quantity (RQ) in pounds _____
- DOT Shipping Name: RQ, UN3267, Waste Corrosive Liquid, basic, inorganic (NOS) Hazard Class 8 UN/NA 3267
- PG I ERG _____ Hazardous Constituents for "h.o.s." _____
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: 20000 gal 6. Anticipated Volume / Units per Year: _____ or One Time
- Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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

Printed Name: _____ Title: _____
Generator's Signature: _____ Date: _____

GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the 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. Grab SAMPLING METHOD 2. Waste Caustic Tank 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.

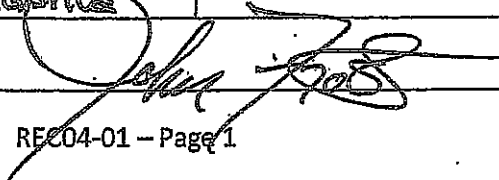
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			<u>Eric H. Smith</u>	<u>9-2-11</u>	<u>1:30pm</u>

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9.23.15
Receiving ID#	WASTE CAUSTIC
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	[REDACTED]
Transporter	
Time in	
Time out	
Received by	JKE
Sampled by	Client

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT# .)	<input checked="" type="radio"/> Yes No	Barium	
PCBs (ppm)(Oily Waste Only)?	NA	Calcium	
TOC (ppm)(CC Waste Only)?	NA	Total Iron	
Flash Point (°F)	>140	Magnesium	
pH (S.U.)	9.0	Sodium Chloride	
Cyanides? (mg/L)	<30	Bicarbonate	
Sulfides? (ppm)	<200	Carbonate	
Specific Gravity	1.02	TDS	
Physical Description	Liquid	Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes <input checked="" type="radio"/> No		
Temperature	62.7		
Conductivity	14.4 MS		
% Solids	3.0		
Turbidity	Yes <input checked="" type="radio"/> No		
Color (visual)	DARK PURPLE		
TSS (%)	<0.1		
Radiation Screen (as needed)	NEGATIVE		
Lab Signature			

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID# [REDACTED]
 Facility Address: [REDACTED] SIC/MATCS Code: [REDACTED] State Code: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Contact Name: [REDACTED] Phone: [REDACTED] Fax: [REDACTED]

BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:
Nitric Rack Strip

Process Generating Waste (Please be specific, incomplete information may delay the approval process):
stripping Nickel, copper metal built on points of racks

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other <u>green</u>	Suspended Solids <input checked="" 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 type="checkbox"/> 1.0 - 1.2 <input type="checkbox"/> 0.8 - 1.0 <input type="checkbox"/> 1.3 - 1.4 Exact / Other <u>1.41</u>	acceptable 092315
---	---	---	--	----------------------

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

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

VOC CONCENTRATION - NA, < 10 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
Nickel	30	30			%
Copper	5	10			%
WASTE OIL	5	1			%
Nitric Acid	99	10			%
	10	1			%

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

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

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

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

SHIPPING INFORMATION

- Is this a DOT Hazardous Material (49CFR 172.101 & 173 Subpart D)? Yes No
- Reportable Quantity (RQ) in pounds _____
- DOT Shipping Name: RQ UN3264 Waste Corrosive Liquid, Acidic, Organic, Pro, S. Hazard Class 8 UNNA 3264
- PG I ERG _____ Hazardous Constituents for "n.o.s." Nitric Acid
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: _____ or One Time
- Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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

Printed Name: NAYANA BORA Title: ENV MGR
Generator's Signature: Nayana Bora Date: 9-22-15

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.

- grab 2. Tank
SAMPLING METHOD _____ COLLECTION POINT _____
- [Redacted]
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.

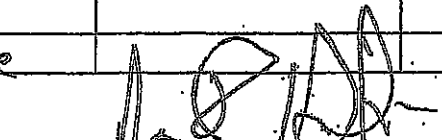
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Redacted]</u>			<u>[Signature]</u>	<u>9-22-15</u>	<u>2:30</u>

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/23/15
Receiving ID#	Nitric Acid Strip
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Cherri

LAB INFORMATION		Oilfield Bins Only	
Air/Waste Samples			
Compatible? (RT#)	<input checked="" type="radio"/> 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)	< 250	Carbonate	
Specific Gravity	1.41	TDS	
Physical Description	Liquid	Resistivity	
Stream Consistency	<input checked="" type="radio"/> Yes No	Sulfate	
Oil in Sample	Yes <input checked="" type="radio"/> No		
Temperature	69°F		
Conductivity	> 400.0 mS		
% Solids	15.2		
Turbidity	Yes <input checked="" type="radio"/> No		
Color (visual)	Green		
TSS (%)	< 0.1		
Radiation Screen (as needed)	Negative		
Lab Signature			

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # **00705**

GENERATOR INFORMATION

Name: _____ USEPA ID # _____
 Facility Address: _____ SIC/NAICS Code: _____ State Code: _____
 City: _____ State: _____ Code: _____
 Contact: _____ Title: _____ Phone: _____ F: _____

BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Pickle waste water (brine)

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

Waste water with acid pickles solids removed

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input checked="" type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5%	Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input 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 _____	<i>acceptable</i> <i>09-23-15</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

VOC CONCENTRATION - _____ PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>water</u>	<u>99</u>	<u>60</u>			
<u>acid</u>	<u>20</u>	<u>0</u>			
<u>solids</u>	<u>20</u>	<u>0</u>			

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

Lab Analysis Generator Knowledge TCLP TOTAL

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

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

IS WASTE ANY OF THE FOLLOWING?

At Least One Box Must Be Checked.

- Radioactive
- Water Reactive
- Oxidizer
- Shock 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 Non-Regulatory Material Hazard Class _____ UN/NA _____
- PG _____ ERG _____ Hazardous Constituents for "h.o.s." _____
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: _____ 6. Anticipated Volume Units per Year 2001, 2002 Gallons or One Time
- Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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

Printed Name: _____ Title: _____
Generator's Signature: _____ Date: _____

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

RECEIVING INFORMATION	
Date	9/23/15
Receiving ID#	Pickup Waste H2O
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	C. West

LAB INFORMATION		Oilfield Brines Only	
All Waste Shipments			
Compatible? (RT#)	<input checked="" type="radio"/> 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.)	3.3	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	1.06	TDS	
Physical Description	Liquid	Resistivity	
Stream Consistency	<input checked="" type="radio"/> Yes No	Sulfate	
Oil in Sample	Yes <input checked="" type="radio"/> NO		
Temperature	69°F		
Conductivity	90.7 mS		
% Solids	6.0		
Turbidity	<input checked="" type="radio"/> Yes No		
Color (visual)	Brown		
TSS (%)	< 0.1		
Radiation Screen (as needed)	Negative		
Lab Signature	[Signature]		

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

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

Generator Waste Profile

Profile # 00707

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID # _____
Facility Address: [REDACTED] SIC/NAICS Code: _____ State Code: _____
City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
Contact: [REDACTED] Phone: () _____ Fax: () _____

BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

Caustic Cleaner (Tank PH3)

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

Use of caustic to clean metal

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____	Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input checked="" type="checkbox"/> > 5% <u>9.1 MAX</u>	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>1.06</u>	<i>accepted</i> <u>092515</u>
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pH: NA ≤ 2 2-4 4-6 6-8 8-10 10-12.5 ≥ 12.5 *reaffirmed 10/3/15*

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

VOC CONCENTRATION - 0 PPM (MUST BE COMPLETED)

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

CONSTITUENT	MAX	MIN	CONSTITUENT	MAX	MIN
<u>Potassium Hydroxide</u>	<u>40</u>	<u>1</u>			
<u>Water</u>	<u>99</u>	<u>40</u>			
<u>Solids</u>	<u>20</u>	<u>0</u>			

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

Lab Analysis Generator Knowledge TCLP TOTAL

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

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 RQ, UN 3267, Waste Comosive Liquid, base, inorganic (nos) (potassium hydroxide) Hazard Class 8 UNNA 3267
- PG I ERG _____ Hazardous Constituents for "n.o.s." potassium hydroxide
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: NAMES or One Time
6. Special Handling Requirements including PPE: _____

CERTIFICATION STATEMENT

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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

00707

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

RECEIVING INFORMATION	
Date	9/25/15
Receiving ID#	Caustic Cleanse
Manifest# Line:	
Land Ban Cert included	Yes No
EGT Approval #	
Generator	[REDACTED]
Client	[REDACTED]
Transporter	
Time in	
Time out	
Received by	J.H.
Sampled by	Chic J.

LAB INFORMATION		Oilfield Brines Only	
Always Shipments			
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.)	13.9	Sodium Chloride	
Cyanides? (mg/L)	< 30	Bicarbonate	
Sulfides? (ppm)	< 200	Carbonate	
Specific Gravity	1.06	TDS	
Physical Description	liquid	Resistivity	
Stream Consistency	Yes No	Sulfate	
Oil in Sample	Yes No		
Temperature	72°F		
Conductivity	147.2 mS		
% Solids	16.2		
Turbidity	Yes No		
Color (visual)	DK Brn / Lt Brn		
TSS (%)	9.1		
Radiation Screen (as needed)	Negative		
Lab Signature	[Signature]		