

July 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 twentieth 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.

As soon as we receive the laboratory results (back from the contracted outside laboratory) for the "Hazardous Substances Limitations and Reporting" (pg. A-3 of 3 of each EPA UIC Permit) for June, 2015, we will forward that page (that is a result of when EGT accepts F039 waste).

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.

rjp073015/EGTEPAMonthlyReport-June 2015

AVERAGE INJECTION RATE

Calculation of Average Injection Rate

CURRENT REPORTING YEAR 2015

CURRENT REPORTING MONTH June

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

CURRENT MONTH (all volumes in gallons)

| | Injected Waste | Injected Non-Waste | Total injected |
|-------------------------------|----------------|--------------------|----------------|
| MI-163-1W-C010, Well #1-12 | | | |
| Current Month | 442,866 | 0 | 442,866 |
| Since facility first injected | | | 2,122,363 |
| MI-163-1W-C011, Well #2-12 | | | |
| Current Month | 27,694 | 0 | 27,694 |
| Since facility first injected | | | 1,227,577 |
| | | Lifetime Combined | 3,349,940 |

Conversion factors

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

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

Calculations

Whole number of months of injection 20

$$\underline{20} \text{ lifetime number of months of injection} \times 43,830 \text{ minutes/month} = \underline{876,600} \text{ minutes of injection}$$

$$\text{Lifetime combined injected volume } \underline{3,349,940} \div \underline{876,600} \text{ minutes of injection} = \underline{3.8} \text{ gpm average injection rate}$$

WELL 1 DATA

Well Data Sheet

| 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) |
|-----------|-------------------------------|-------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|------------------|------------------|---------------------|---------------------|----------------------------------|----------------------------------|
| 6/1/2015 | -2.3 | 707.1 | 32.9 | 34.4 | 821.4 | 1204.0 | 0.6 | 0.6 | 1.0 | 121.2 | 323.7 | 951.7 |
| 6/2/2015 | 0.0 | 724.4 | 33.0 | 34.5 | 889.1 | 1200.1 | 1.2 | 1.2 | 5.7 | 67.9 | 336.5 | 958.0 |
| 6/3/2015 | -9.8 | 710.8 | 32.9 | 34.7 | 883.4 | 1208.4 | 0.5 | 0.5 | 5.6 | 34.0 | 292.4 | 1016.3 |
| 6/4/2015 | -8.5 | 714.5 | 32.8 | 34.6 | 894.3 | 1206.4 | 1.3 | 1.3 | 8.5 | 134.4 | 360.8 | 996.4 |
| 6/5/2015 | 4.7 | 7.7 | 32.8 | 33.5 | 900.0 | 1007.6 | 1.3 | 1.3 | 4.4 | 28.3 | 893.9 | 999.9 |
| 6/6/2015 | 3.9 | 5.0 | 32.8 | 33.0 | 978.0 | 986.7 | 1.3 | 1.3 | 4.7 | 238.0 | 973.5 | 982.0 |
| 6/7/2015 | 3.7 | 4.7 | 32.7 | 33.0 | 972.1 | 978.1 | 1.3 | 1.3 | 8.1 | 222.3 | 967.7 | 974.2 |
| 6/8/2015 | 3.7 | 713.9 | 32.9 | 35.0 | 879.3 | 1205.6 | 1.3 | 1.3 | 18.3 | 132.2 | 316.3 | 968.4 |
| 6/9/2015 | 42.6 | 738.3 | 33.0 | 35.3 | 849.3 | 1205.1 | 2.4 | 2.4 | 20.0 | 126.4 | 282.0 | 955.0 |
| 6/10/2015 | 26.1 | 725.3 | 33.0 | 34.8 | 897.7 | 1205.0 | 2.4 | 2.4 | 18.7 | 129.8 | 316.1 | 971.7 |
| 6/11/2015 | -9.8 | 722.7 | 33.1 | 35.3 | 847.4 | 1208.1 | 2.4 | 2.4 | 15.1 | 107.3 | 275.5 | 1016.9 |
| 6/12/2015 | -10.0 | -9.6 | 33.1 | 33.3 | 912.9 | 945.4 | 2.2 | 2.2 | 4.6 | 71.4 | 922.9 | 955.2 |
| 6/13/2015 | -10.0 | -9.9 | 33.1 | 33.3 | 903.7 | 913.0 | 2.2 | 2.2 | 0.0 | 245.4 | 913.6 | 922.9 |
| 6/14/2015 | -10.0 | -9.7 | 32.6 | 33.3 | 900.0 | 1006.2 | 2.2 | 2.2 | 0.0 | 11.0 | 910.0 | 1016.2 |
| 6/15/2015 | -9.7 | 700.9 | 32.7 | 34.8 | 894.6 | 1235.2 | 2.2 | 2.2 | 3.9 | 151.0 | 386.0 | 1014.5 |
| 6/16/2015 | 12.5 | 716.0 | 33.1 | 34.9 | 863.3 | 1206.8 | 2.3 | 2.3 | 7.4 | 77.4 | 272.7 | 969.5 |
| 6/17/2015 | 19.1 | 709.5 | 33.0 | 36.1 | 782.4 | 1205.9 | 1.3 | 1.3 | 12.4 | 116.2 | 248.5 | 948.7 |
| 6/18/2015 | 21.9 | 726.4 | 32.8 | 35.3 | 853.2 | 1205.7 | 2.1 | 2.1 | 22.6 | 100.4 | 264.4 | 977.1 |
| 6/19/2015 | 12.6 | 688.7 | 33.0 | 34.5 | 896.4 | 1201.0 | 1.6 | 1.6 | 12.3 | 90.9 | 357.9 | 980.1 |
| 6/20/2015 | 15.9 | 18.3 | 32.9 | 33.2 | 943.9 | 968.1 | 1.6 | 1.6 | 5.3 | 7.6 | 927.5 | 950.5 |
| 6/21/2015 | 14.9 | 16.5 | 33.0 | 33.2 | 933.5 | 943.9 | 1.6 | 1.6 | 5.7 | 14.2 | 917.9 | 928.0 |
| 6/22/2015 | 10.9 | 715.9 | 33.0 | 34.6 | 897.0 | 1230.6 | 2.0 | 2.0 | 21.0 | 100.3 | 321.2 | 976.1 |
| 6/23/2015 | 15.0 | 723.6 | 33.0 | 35.1 | 865.2 | 1205.3 | 1.9 | 1.9 | 20.9 | 108.9 | 281.6 | 968.9 |
| 6/24/2015 | 20.9 | 711.4 | 33.1 | 35.6 | 790.1 | 1202.1 | 1.4 | 1.4 | 23.2 | 120.0 | 244.1 | 950.8 |
| 6/25/2015 | -9.8 | 722.5 | 33.1 | 35.7 | 834.5 | 1201.1 | 2.6 | 2.6 | 29.6 | 114.5 | 224.7 | 1016.5 |
| 6/26/2015 | -9.8 | 711.0 | 33.1 | 35.4 | 862.8 | 1204.2 | 1.7 | 1.7 | 22.2 | 96.7 | 295.1 | 994.0 |
| 6/27/2015 | 25.8 | 39.8 | 32.7 | 33.6 | 900.0 | 1009.0 | 1.7 | 1.7 | 4.1 | 4.4 | 872.7 | 973.8 |
| 6/28/2015 | 24.3 | 26.4 | 32.7 | 32.9 | 970.1 | 986.0 | 1.7 | 1.7 | 4.0 | 4.1 | 945.2 | 960.2 |
| 6/29/2015 | 17.9 | 714.5 | 32.0 | 34.9 | 888.9 | 1204.3 | 1.7 | 1.7 | 21.3 | 91.1 | 336.2 | 945.8 |
| 6/30/2015 | 57.6 | 719.9 | 33.0 | 34.8 | 881.1 | 1201.9 | 1.5 | 1.5 | 11.6 | 90.6 | 309.4 | 938.1 |

DATA DESCRIPTION

June 2015

This month's data is reported from the report generator. The injection rate data recorded on the "Well 1 Data Sheet" is inaccurate but has been checked by the deep well operators using manual observation and displacement calculations to ensure no operational exceedances. There was degradation in the foundation fieldbus programming and flow tube programming causing the inaccuracies. All flow rate issues were resolved on the 29th of June by outside contractors. No alarm or shut down conditions were exceeded during this period of operation.

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

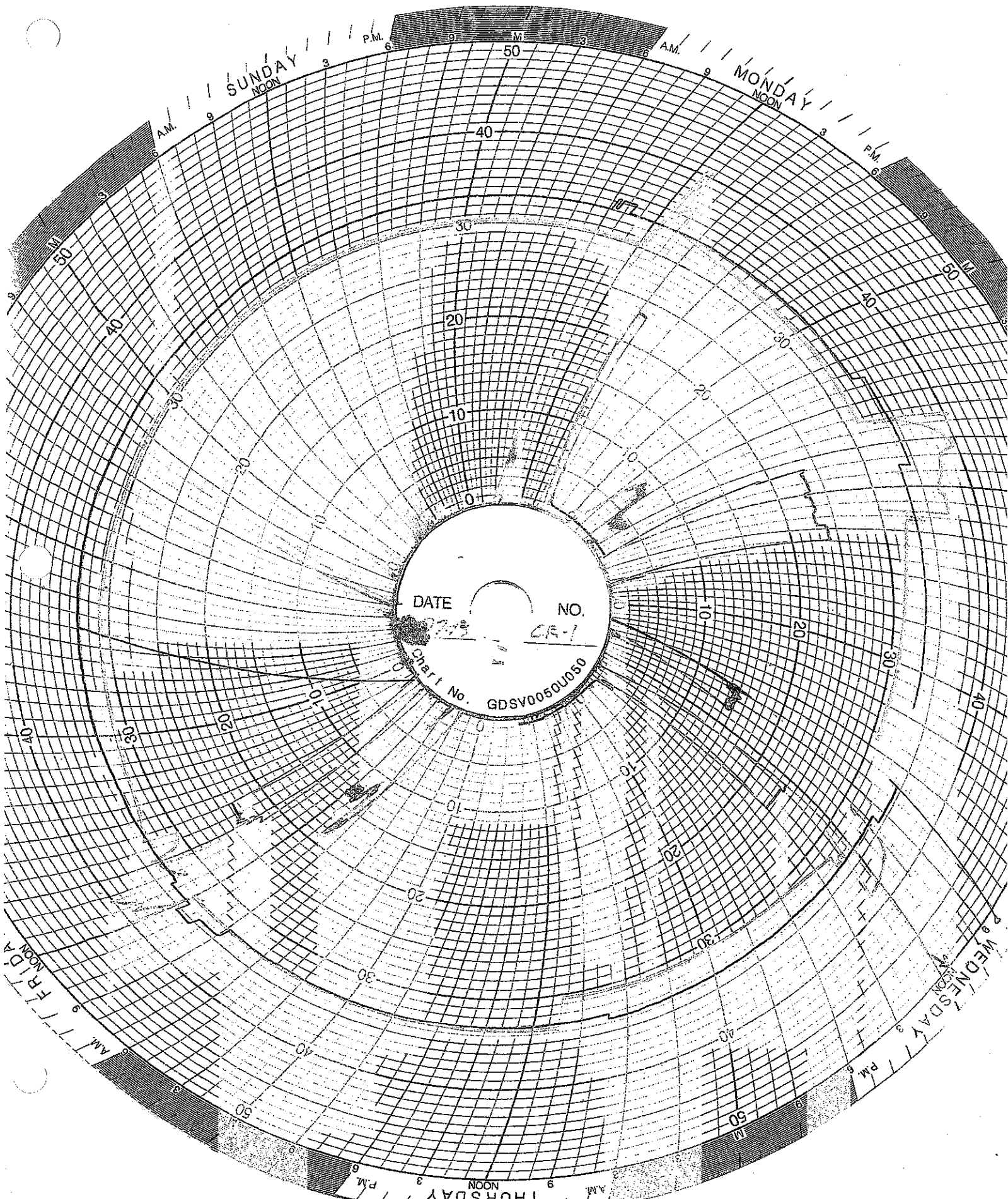
Red Pen - Well 1 Monthly Volume

Channel #3

Green Pen - Well 2 Monthly Volume

Channel #4

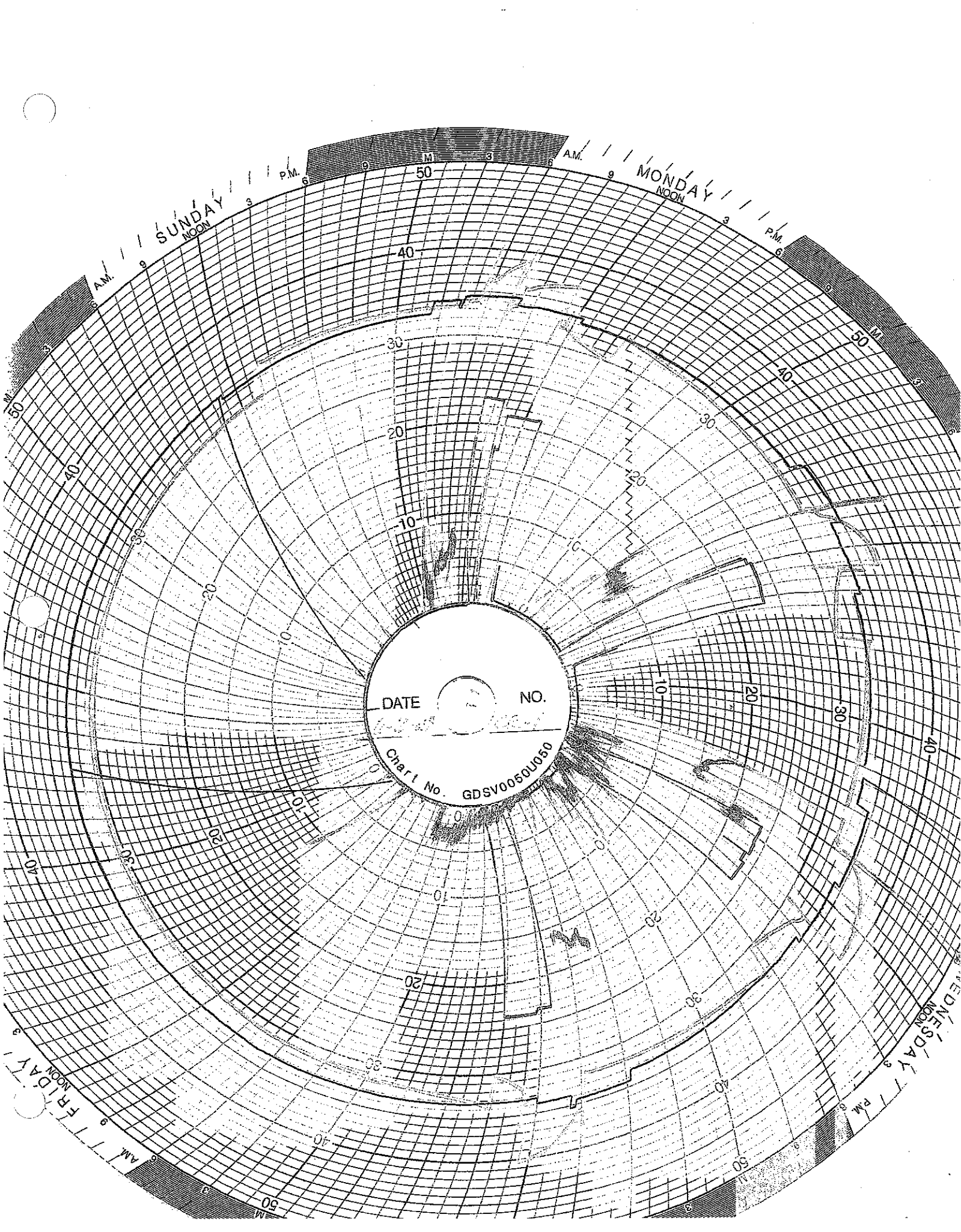
Black Pen - Temperature



DATE NO.

27-3 25-1

Chart No. GDSV0050U050



SUNDAY
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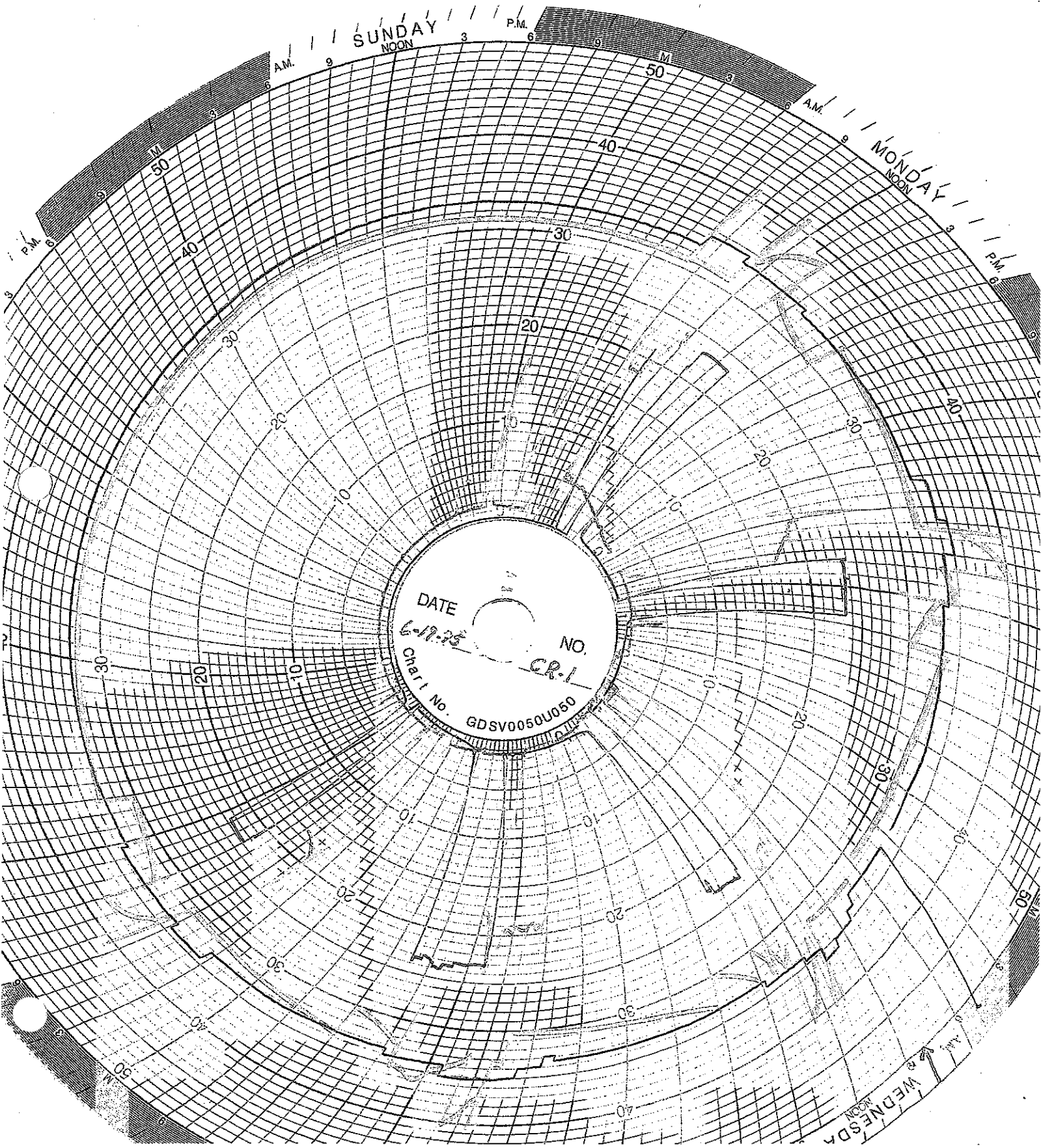
MONDAY
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DATE NO.

Chart No. GDSV0050U060

FRIDAY
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WEDNESDAY
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SUNDAY

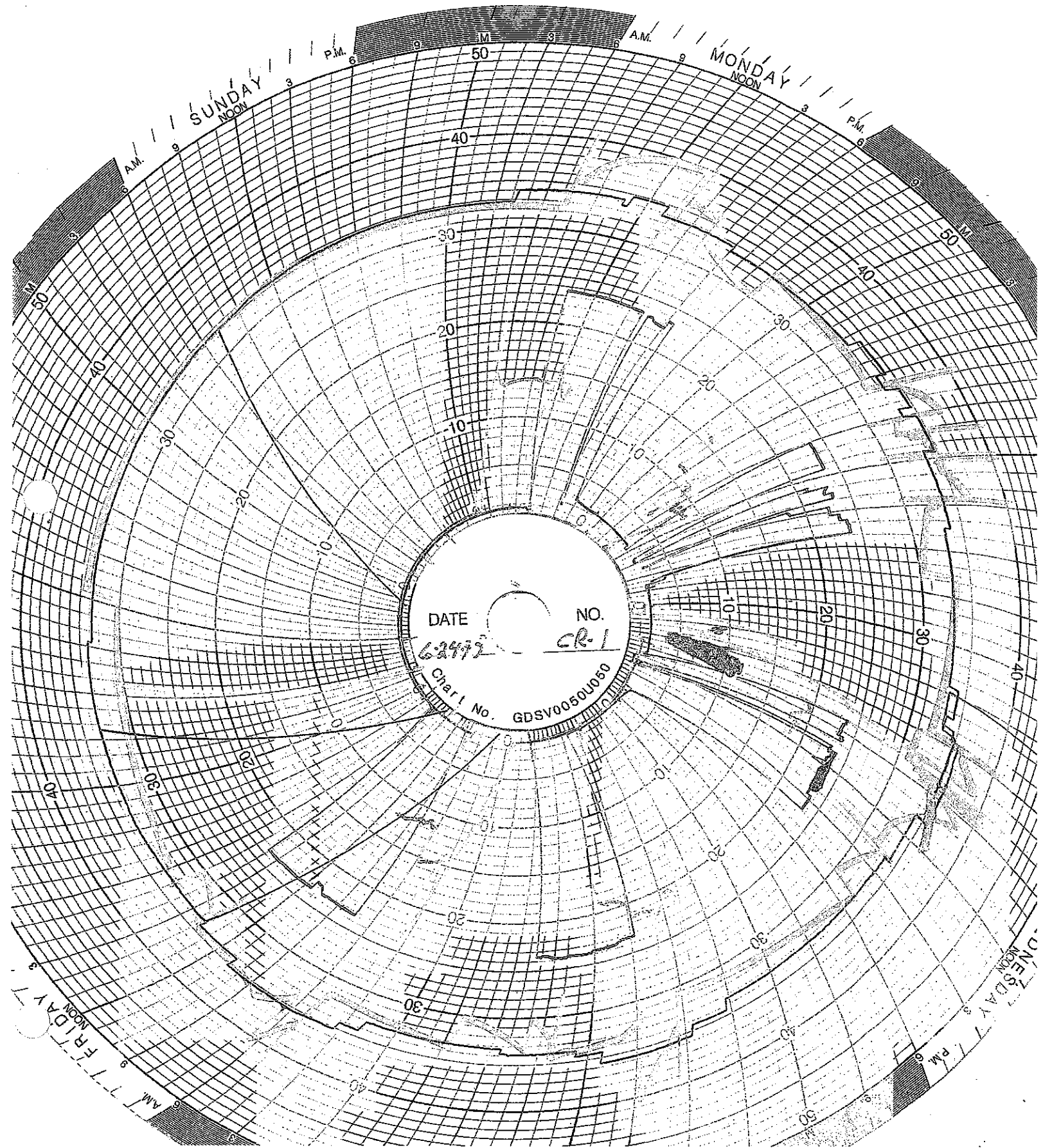
MONDAY

WEDNESDAY

DATE
6-19-75

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CR-1

Chart No. GDSV0050U050



SUNDAY
NOON

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NO.

6-24-72

CR-1

Chart No.

GDSV0050U050

WELL 2 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) |
|-----------|-------------------------------|-------------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|------------------|------------------|---------------------|---------------------|----------------------------------|----------------------------------|
| 6/1/2015 | -1.6 | -1.3 | 17.6 | 18.4 | 406.1 | 408.8 | 0.6 | 0.6 | 0.0 | 0.0 | 407.9 | 410.3 |
| 6/2/2015 | -1.6 | -0.8 | 18.0 | 18.5 | 405.2 | 409.6 | 1.2 | 1.2 | 0.0 | 0.0 | 406.7 | 410.5 |
| 6/3/2015 | -1.4 | -0.5 | 17.6 | 18.6 | 404.9 | 508.5 | 0.5 | 0.5 | 0.0 | 0.0 | 406.1 | 509.1 |
| 6/4/2015 | -1.5 | -0.9 | 17.6 | 17.7 | 495.5 | 500.2 | 1.3 | 1.3 | 0.0 | 0.0 | 497.0 | 501.5 |
| 6/5/2015 | -1.9 | -1.2 | 17.5 | 17.8 | 490.8 | 496.1 | 1.3 | 1.3 | 0.0 | 0.0 | 492.4 | 497.6 |
| 6/6/2015 | -1.8 | -1.5 | 17.3 | 18.1 | 486.2 | 491.3 | 1.3 | 1.3 | 0.0 | 0.0 | 487.9 | 493.0 |
| 6/7/2015 | -1.8 | -1.5 | 17.3 | 18.1 | 482.9 | 486.9 | 1.3 | 1.3 | 0.0 | 0.0 | 484.4 | 488.6 |
| 6/8/2015 | -1.7 | -1.0 | 17.6 | 17.7 | 480.5 | 483.9 | 1.3 | 1.3 | 0.0 | 0.0 | 481.8 | 485.0 |
| 6/9/2015 | -1.6 | -0.4 | 15.2 | 18.1 | 478.7 | 916.2 | 2.4 | 2.4 | 0.0 | 0.0 | 480.2 | 916.9 |
| 6/10/2015 | -1.6 | -1.0 | 15.2 | 16.1 | 515.9 | 755.4 | 2.4 | 2.4 | 0.0 | 0.0 | 517.3 | 756.8 |
| 6/11/2015 | -1.6 | -1.2 | 15.6 | 15.7 | 451.4 | 516.2 | 2.4 | 2.4 | 0.0 | 0.0 | 452.9 | 517.6 |
| 6/12/2015 | -1.6 | -1.4 | 15.5 | 15.7 | 401.0 | 452.0 | 2.2 | 2.2 | 0.0 | 0.0 | 402.5 | 453.6 |
| 6/13/2015 | -1.7 | -1.5 | 15.6 | 15.7 | 371.5 | 401.3 | 2.2 | 2.2 | 0.0 | 0.0 | 373.1 | 402.9 |
| 6/14/2015 | -1.7 | -1.1 | 15.5 | 15.7 | 358.5 | 371.8 | 2.2 | 2.2 | 0.0 | 0.0 | 359.7 | 373.4 |
| 6/15/2015 | -1.3 | -0.8 | 14.9 | 15.7 | 350.3 | 515.3 | 2.2 | 2.2 | 0.0 | 0.0 | 351.3 | 516.4 |
| 6/16/2015 | -1.3 | -0.8 | 15.5 | 27.5 | 333.0 | 380.9 | 2.3 | 2.3 | 0.0 | 0.0 | 334.2 | 382.1 |
| 6/17/2015 | -1.3 | -0.7 | 27.2 | 27.3 | 351.2 | 354.2 | 1.3 | 1.3 | 0.0 | 0.0 | 352.2 | 355.4 |
| 6/18/2015 | -1.2 | -0.5 | 26.9 | 27.6 | 349.7 | 353.1 | 2.1 | 2.1 | 0.0 | 0.0 | 350.7 | 353.8 |
| 6/19/2015 | -1.3 | -0.8 | 27.1 | 27.3 | 346.4 | 350.4 | 1.6 | 1.6 | 0.0 | 0.0 | 347.6 | 351.3 |
| 6/20/2015 | -1.4 | -1.1 | 27.1 | 27.2 | 343.7 | 347.0 | 1.6 | 1.6 | 0.0 | 0.0 | 344.9 | 348.2 |
| 6/21/2015 | -1.5 | -1.2 | 27.0 | 27.4 | 341.5 | 344.3 | 1.6 | 1.6 | 0.0 | 0.0 | 342.8 | 345.6 |
| 6/22/2015 | -1.5 | -1.0 | 26.9 | 27.5 | 340.2 | 342.4 | 2.0 | 2.0 | 0.0 | 0.0 | 341.4 | 343.5 |
| 6/23/2015 | -1.4 | -0.8 | 27.1 | 27.3 | 338.4 | 341.4 | 1.9 | 1.9 | 0.0 | 0.0 | 339.6 | 342.3 |
| 6/24/2015 | -1.5 | -0.6 | 26.2 | 27.2 | 336.7 | 518.7 | 1.4 | 1.4 | 0.0 | 0.0 | 338.2 | 520.0 |
| 6/25/2015 | -1.3 | -0.5 | 26.2 | 26.3 | 506.1 | 510.1 | 2.6 | 2.6 | 0.0 | 0.0 | 507.1 | 511.0 |
| 6/26/2015 | -1.3 | -0.7 | 25.9 | 26.5 | 502.6 | 506.7 | 1.7 | 1.7 | 0.0 | 0.0 | 503.6 | 507.7 |
| 6/27/2015 | -1.4 | -1.0 | 26.2 | 26.3 | 497.1 | 503.0 | 1.7 | 1.7 | 0.0 | 0.0 | 498.4 | 504.1 |
| 6/28/2015 | -1.5 | -1.2 | 25.9 | 26.5 | 494.0 | 497.8 | 1.7 | 1.7 | 0.0 | 0.0 | 495.4 | 499.2 |
| 6/29/2015 | -1.6 | 711.1 | 11.2 | 26.4 | 492.7 | 1094.6 | 1.7 | 1.7 | 4.9 | 121.8 | 300.6 | 729.1 |
| 6/30/2015 | 51.9 | 715.4 | 25.5 | 25.6 | 677.3 | 1116.4 | 1.5 | 1.5 | 14.3 | 82.0 | 252.7 | 759.4 |

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

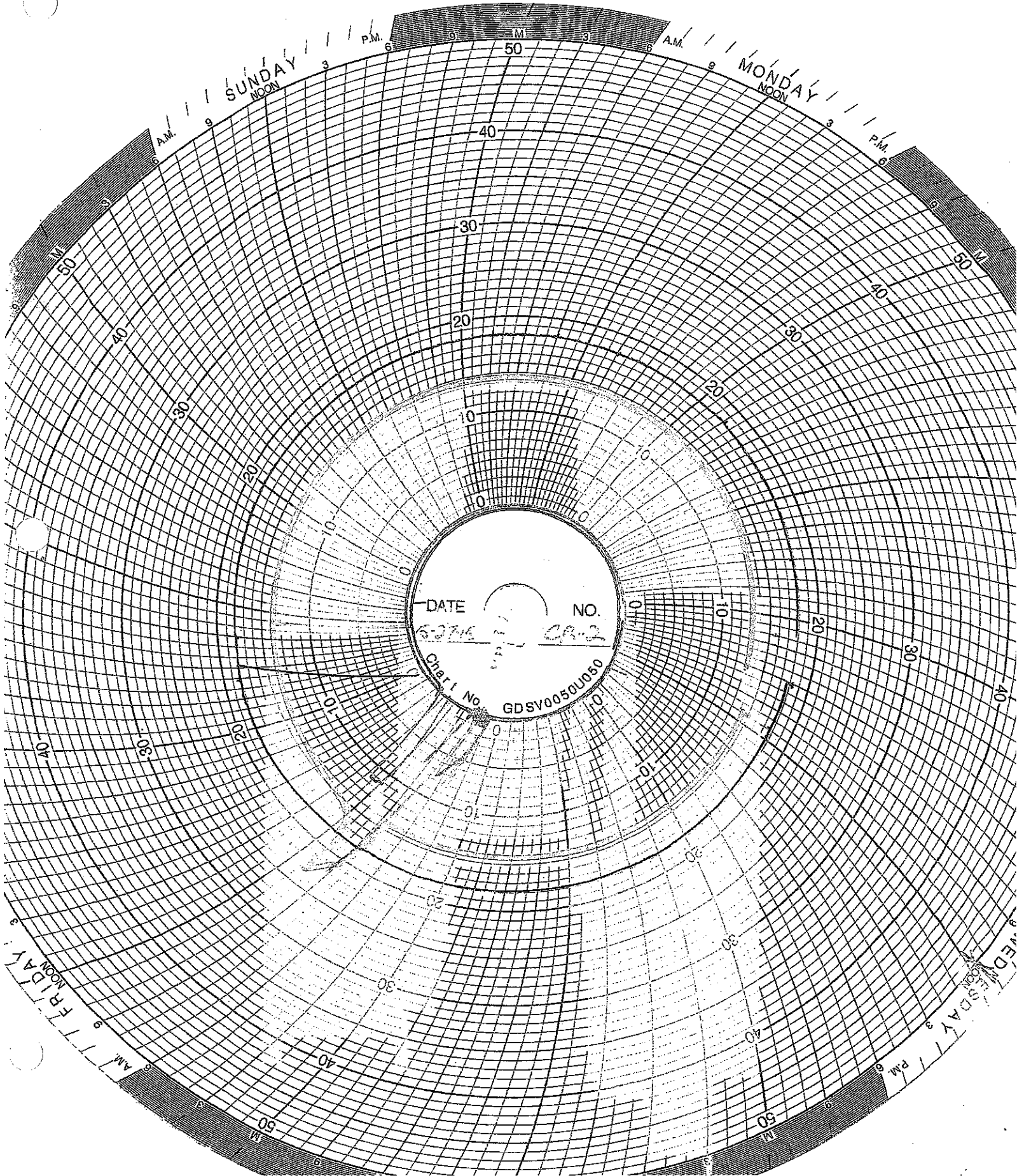
Red Pen - Well 1 Monthly Volume

Channel #3

Green Pen - Well 2 Monthly Volume

Channel #4

Black Pen - Temperature



SUNDAY
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6/27/66

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Chart No.
GDSV0050U060

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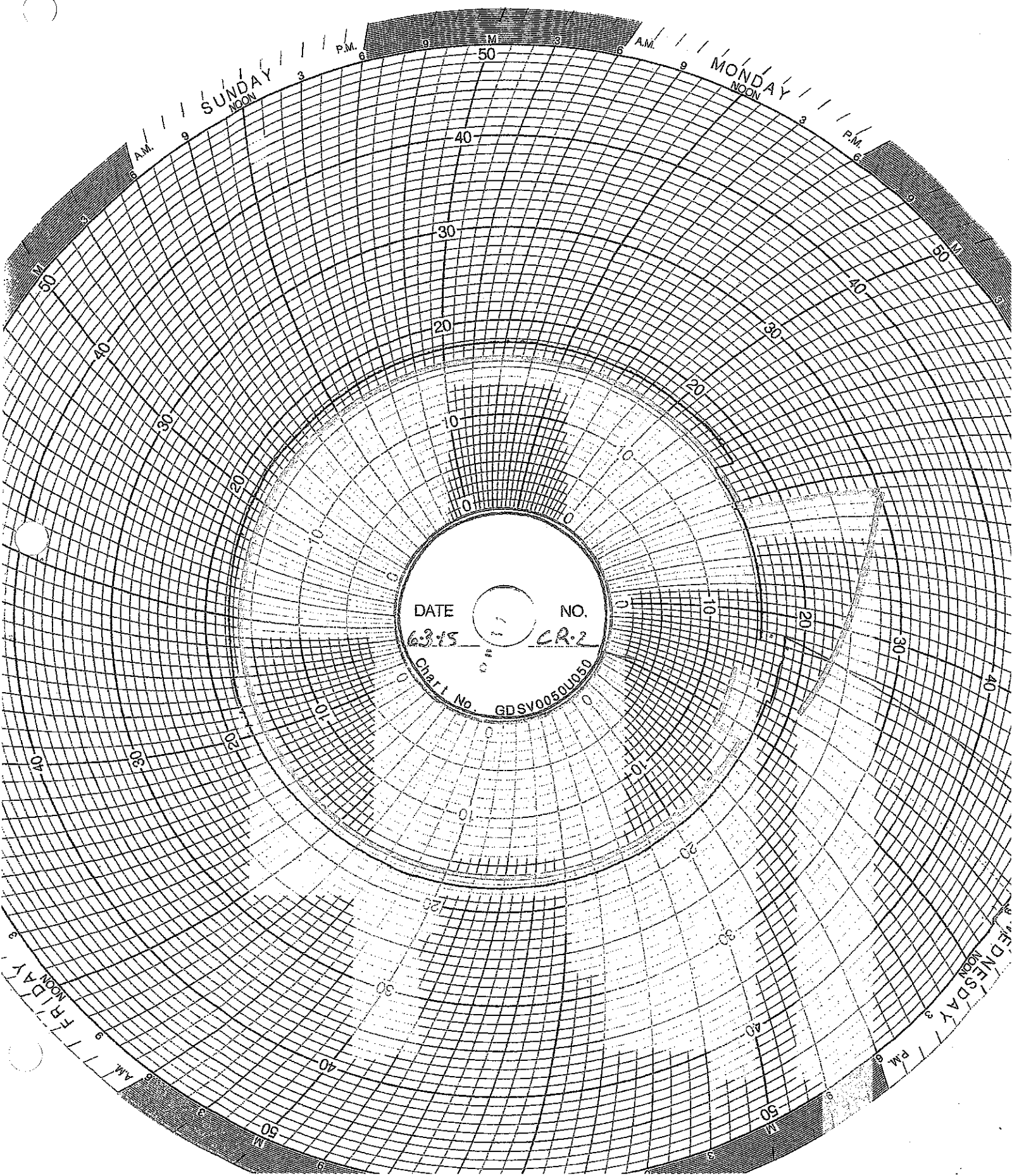
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FRIDAY
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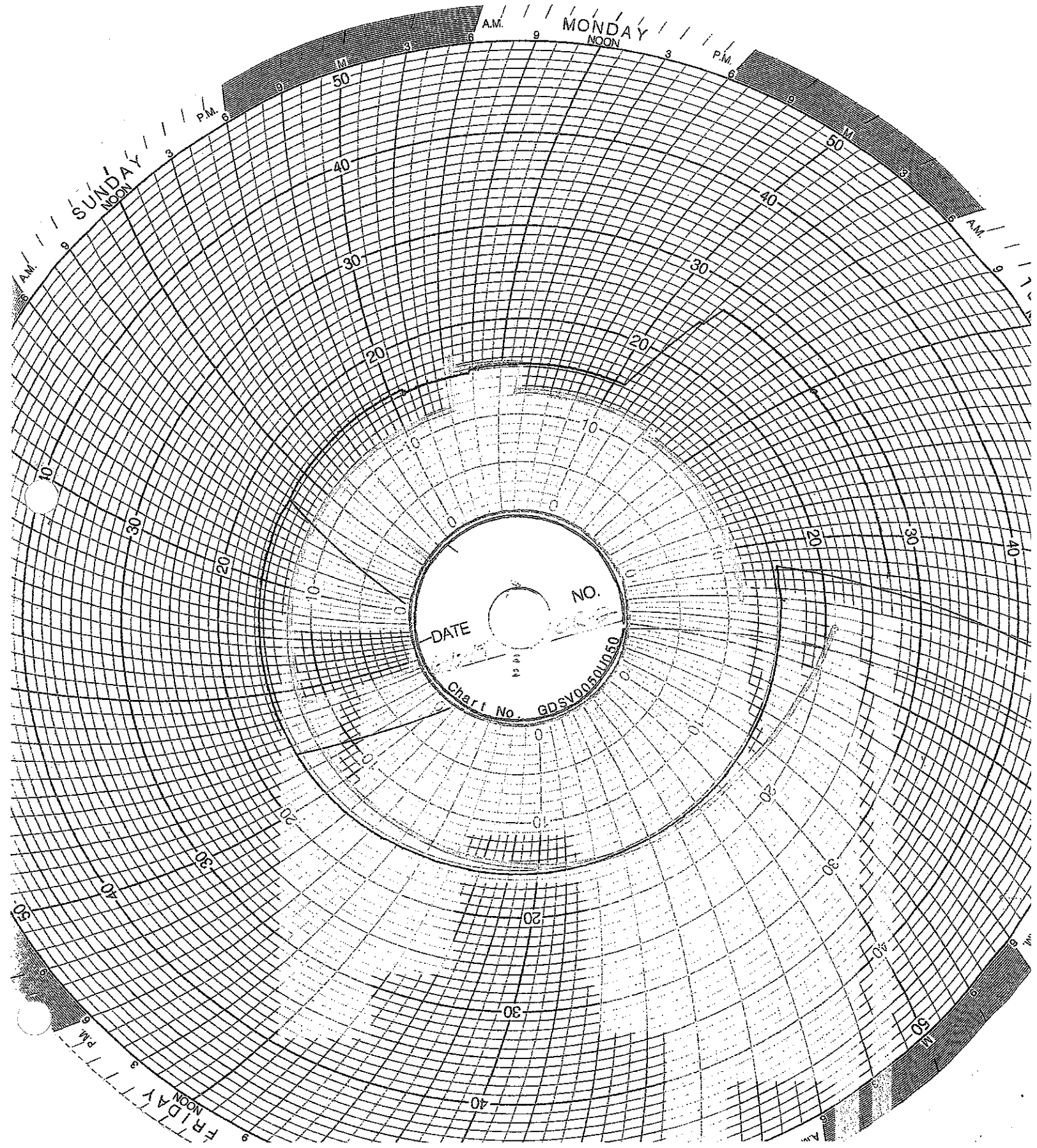
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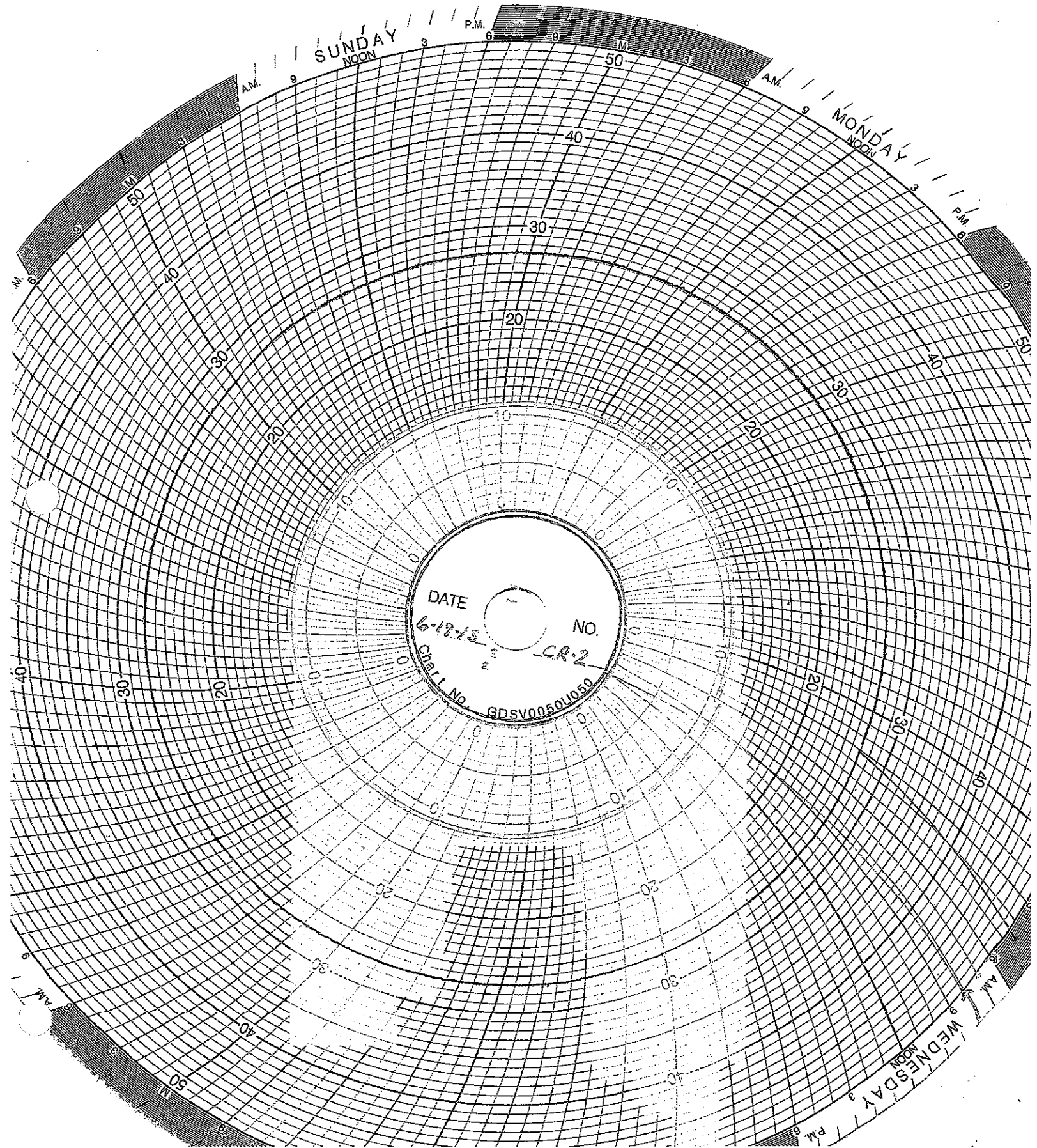
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Chart No. GDSV0050U050

FRIDAY
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FRIDAY
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DATE _____ NO. _____
Chart No. GDSY00501050



SUNDAY
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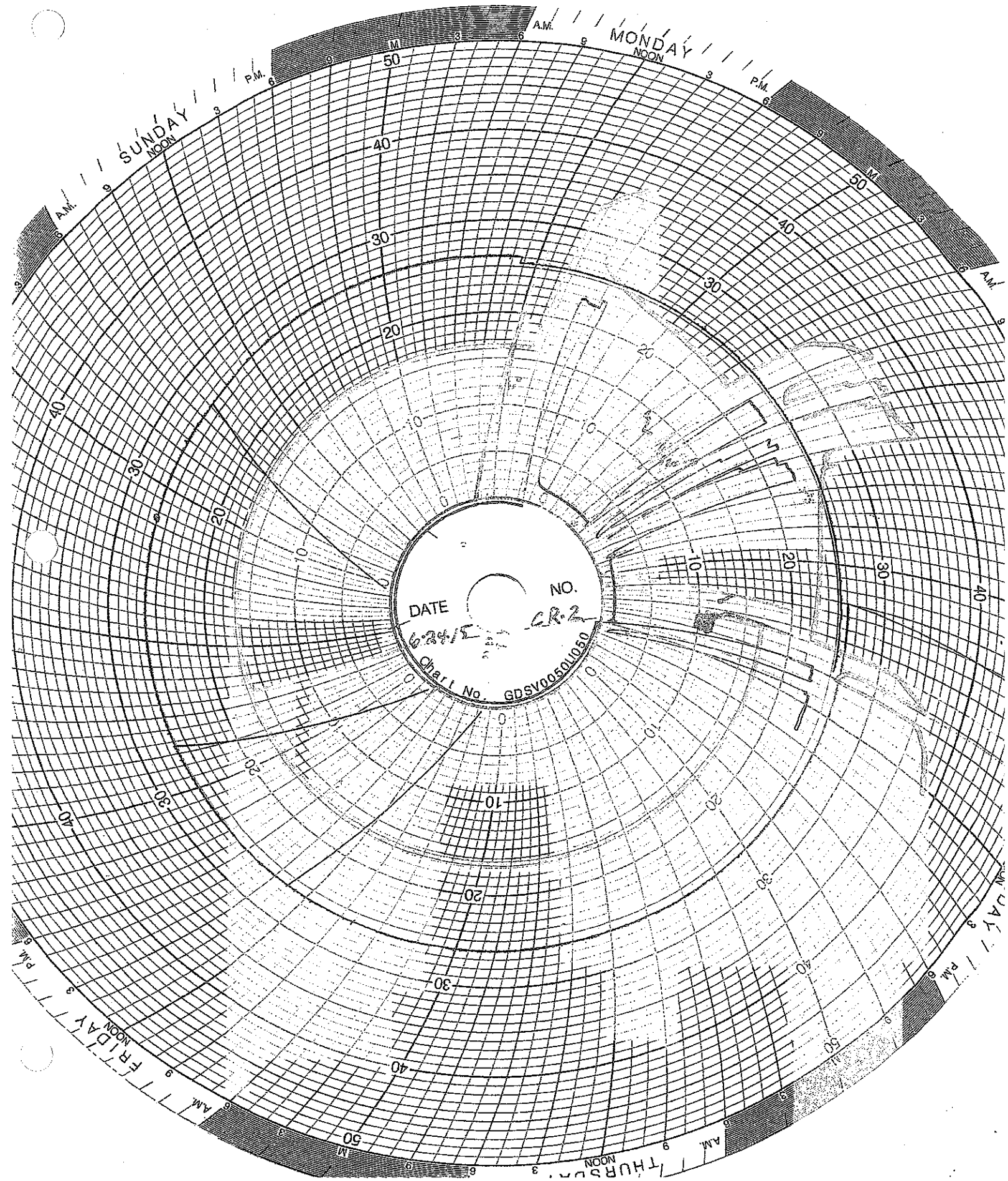
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WEDNESDAY
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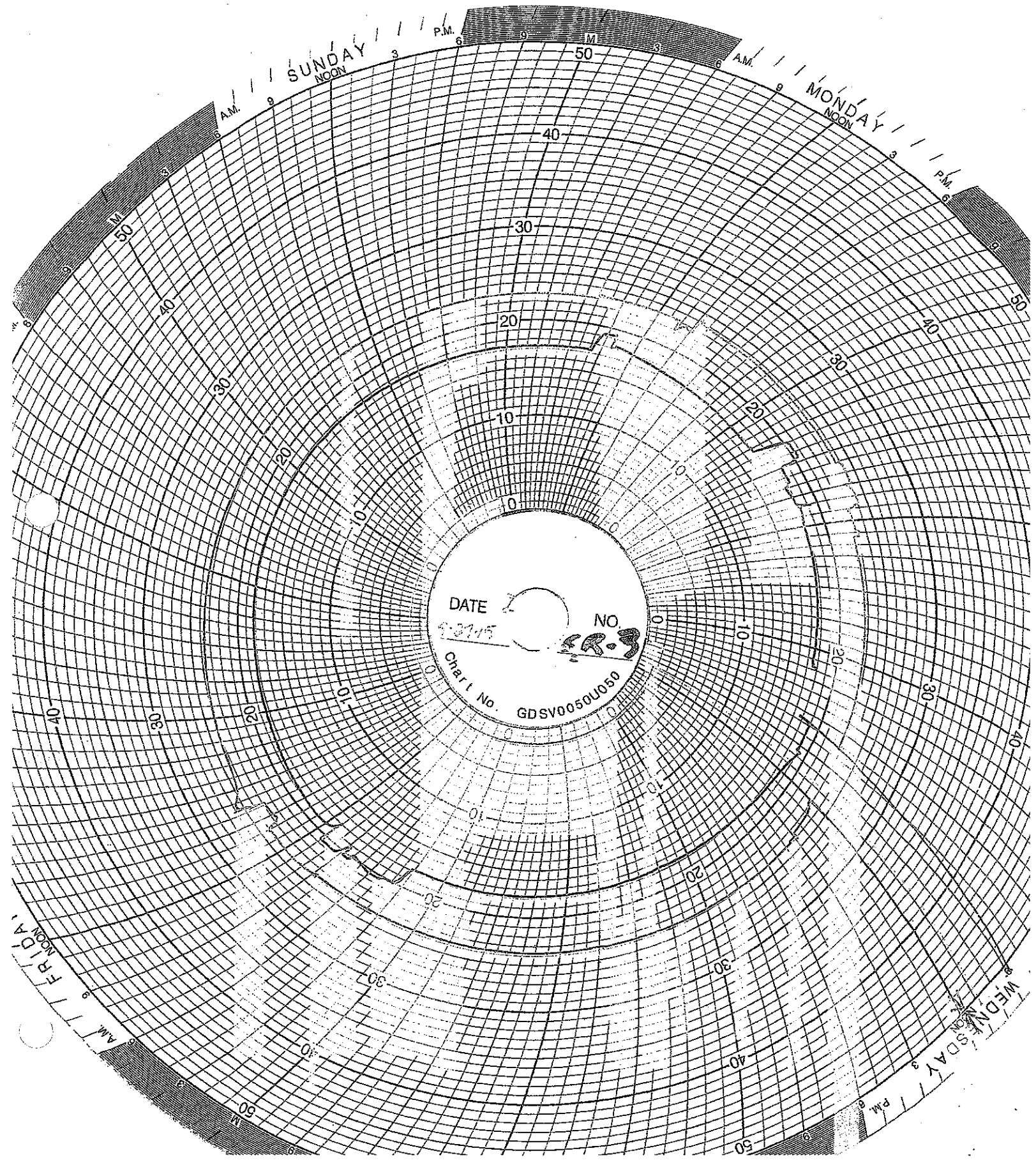
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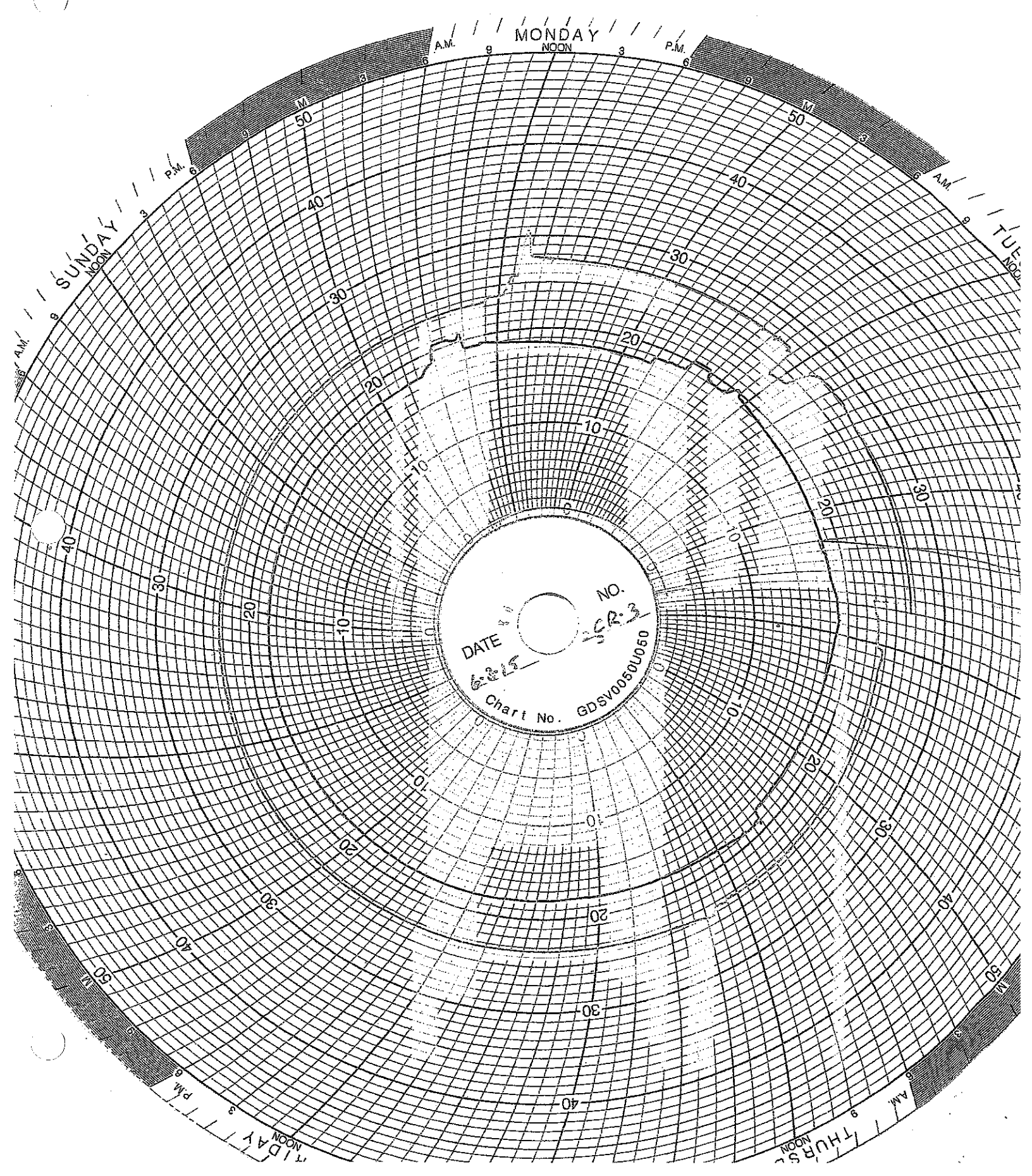
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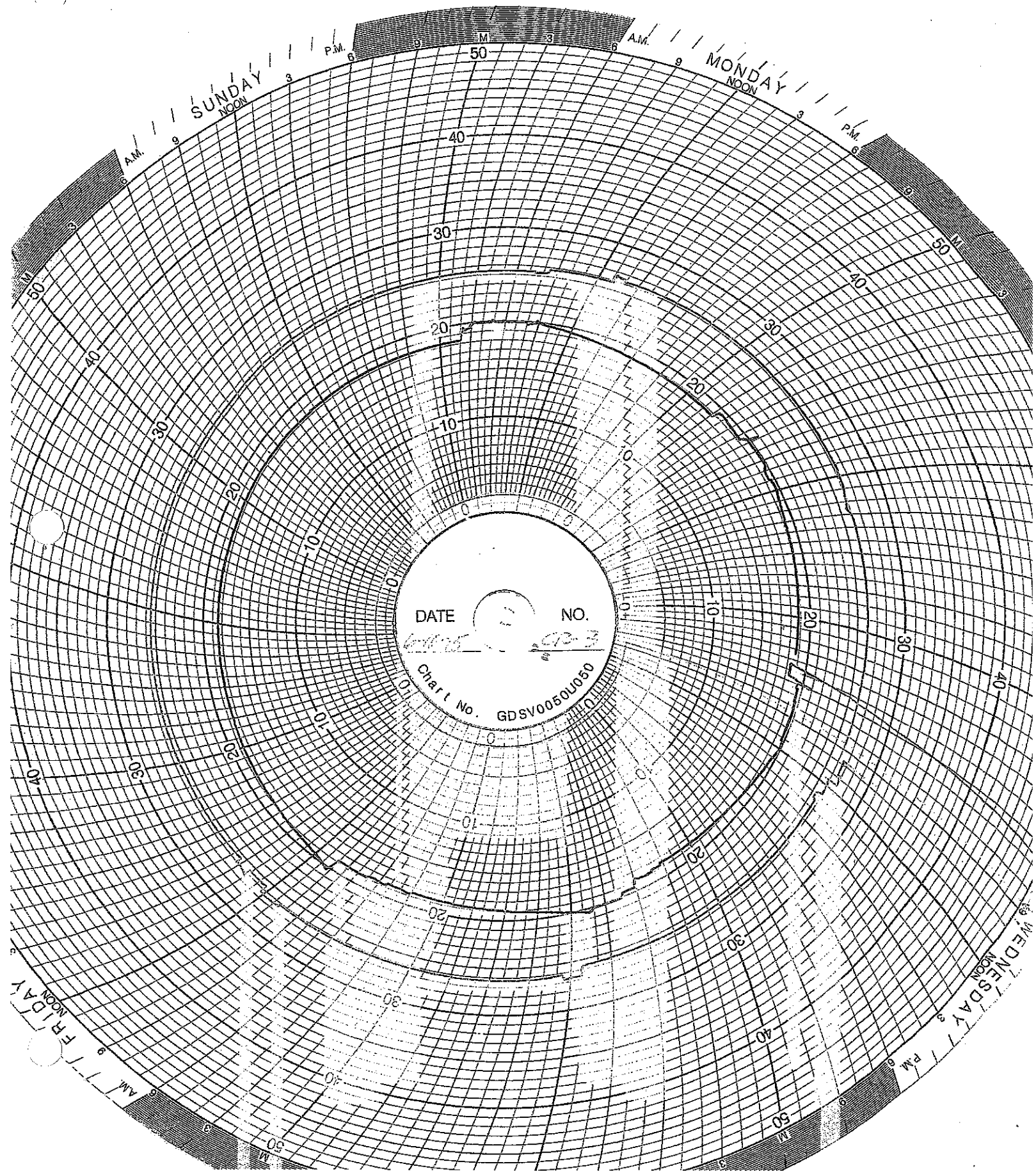


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DATE 6-21-58
NO. 3CR-3
Chart No. GDSV0050U060



SUNDAY

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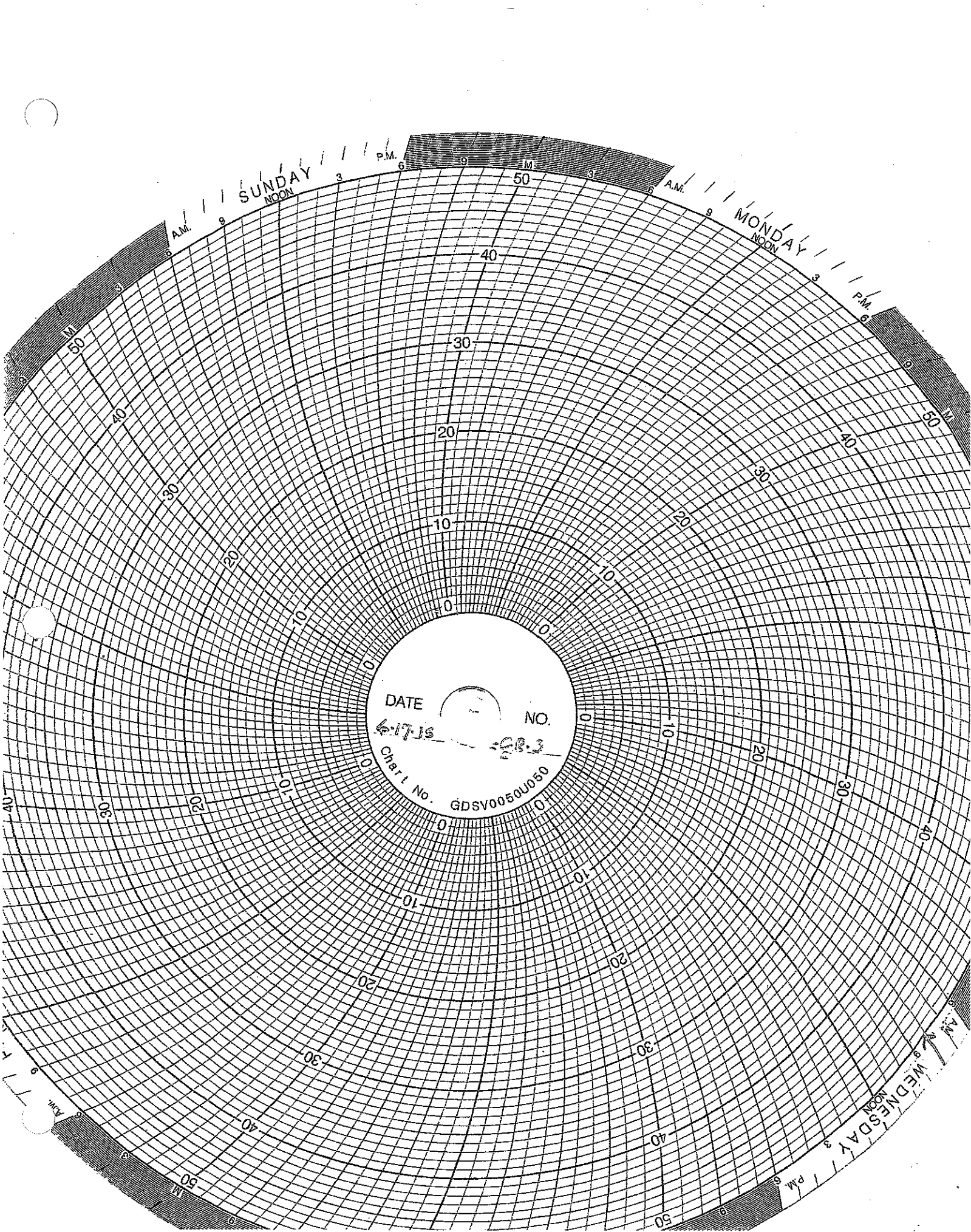
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6/10/55

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Chart No.

GDSV0050U050



SUNDAY
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MONDAY
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WEDNESDAY
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DATE
4-17-15

NO.

CR-3

Chart No.

GDSV0050U050

SUNDAY
NOON

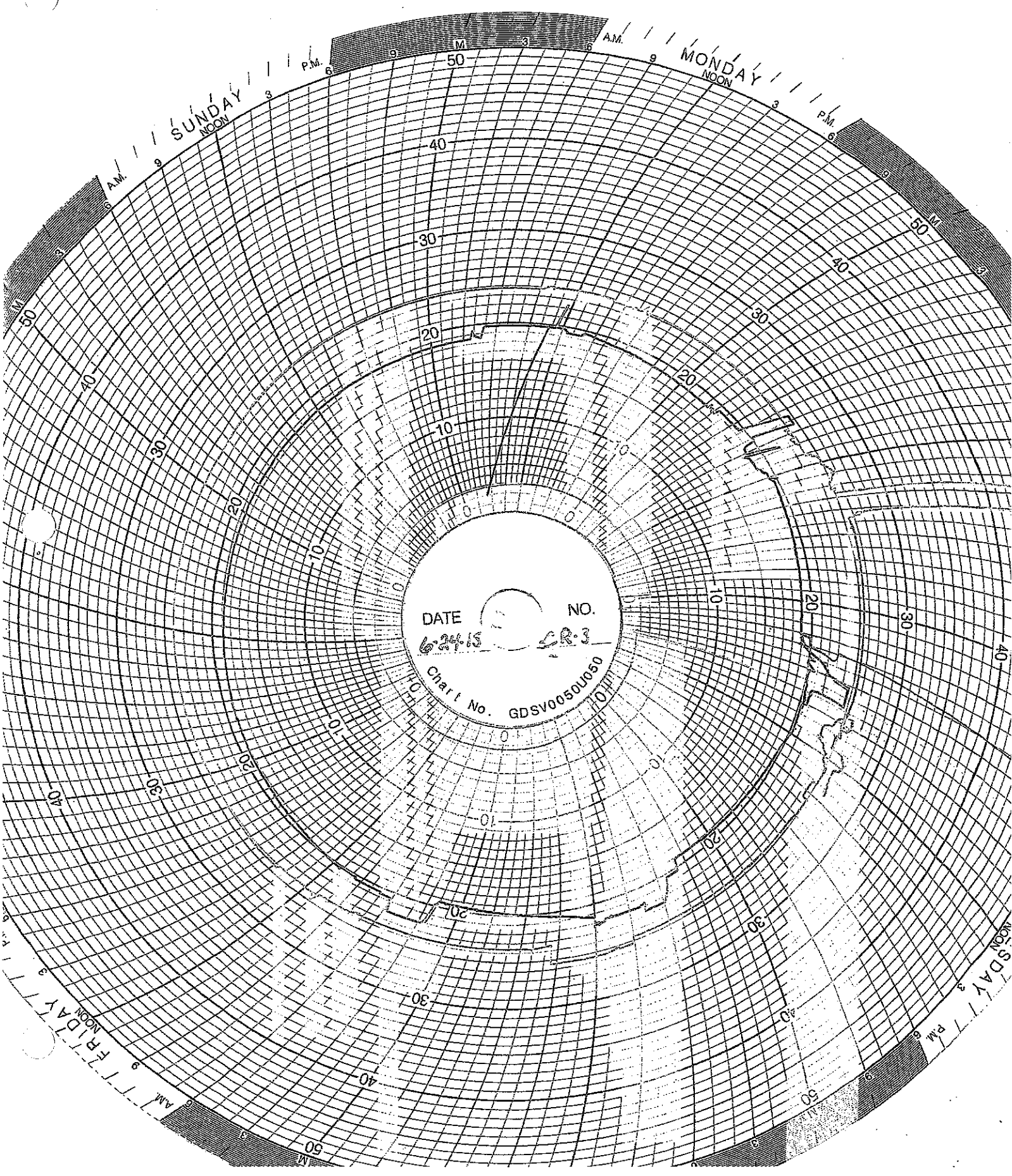
MONDAY
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DATE

NO.

6-24-15 CR-3

Chart No. GDSV0050U050



MAINTENANCE LOG

UIC Monthly Maintenance Log

| | | |
|-----------|------------------------|--|
| 6/4/2015 | Flow meter well 1 | Well 1 flow tube was replaced with well 2 flow tube to maintain operation on well 1. |
| 6/16/2015 | Annulus well 2 | 59 gallons of diesel fuel was added to the annulus storage tank to maintain level. |
| 6/22/2015 | Well 1 influent pipe | Pipe reducer on the influent of the roto-jet pump was rebuilt and installed. |
| 6/26/2015 | Well 2 flow meter | A new flow tube was installed in the line for well 2. |
| 6/29/2015 | Well 1 & 2 programming | The foundation fieldbus and transmitters were reprogrammed. |
| 6/29/2015 | Well 2 influent pipe | Pipe reducer on the influent of the roto-jet pump was rebuilt and installed. |

CORROSION MONITORING

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 | |

CORROSION MONITORING COUPONS VISUAL DESCRIPTION

June 12, 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. Its cut edges appear sanded. The coupon is free of pits, cracks, swelling and blemishes.

Hastelloy Coupon

This coupon is identified as C276 with Serial Number 5. This weighed coupon replaces the original coupon that was mangled in a pump and filter down after breaking off of its mounted location sometime in February. The coupon is silver in color with a lightly sandblasted texture. It is clean and free of pits, cracks, and blemishes.

Stainless Steel Coupon

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

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:

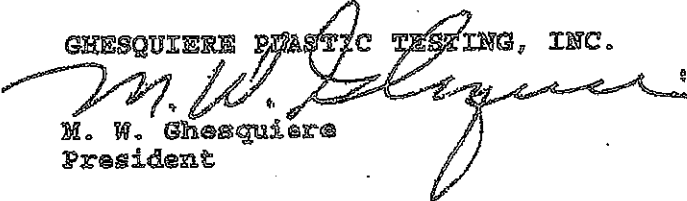
BARCOL HARDNESS

Hardness

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

Specimen is being returned with this report for further evaluation.

GHESQUIERE PLASTIC TESTING, INC.


M. W. Ghesquiere
President

MWG/kni

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TOTAL 1 PAGES

Ghesquiere Plastic Testing, Inc.

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

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

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

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

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

WORK PERFORMED:

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

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

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1: 90

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

Ghesquiere 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:

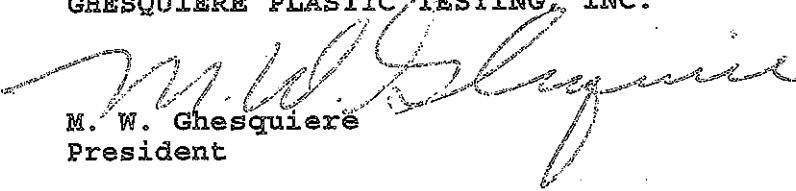
The following determination was made based upon the above test:

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

October 2, 2014

- TEST REPORT -

PN 118325

PO Attn: John Frost

PLASTICS TESTING DEPARTMENT

Prepared For:

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

Prepared By:

Melissa Martin
Sr. Project Technician

Approved By:

Jim Drummond
Physical & Plastics Testing, Manager



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

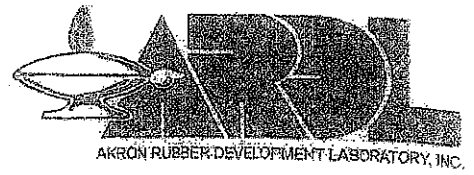
ISO 9001:2008
Registered

*Certificate Numbers 255.01 & 255.02

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www.ardl.com

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



October 2, 2014

John Frost
Environmental Geo-Technologies, LLC

Page 2 of 2
PN118325

SUBJECT: Barcol Hardness on one material.
PO# Aitn; John Frost

RECEIVED: One small section identified as; Fiberglass Coupon.


BARCOL HARDNESS ASTM D 2583-13a

Results

Barcol Hardness, Instant

97

Prepared By:


Melissa Martin
Sr. Project Technician

Approved By:


Scott W. Yates
Plastics Testing Assistant Manager

INJECTION
FINGERPRINTS

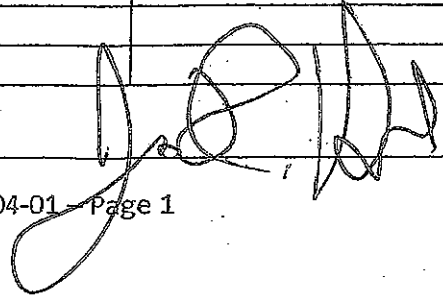
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, L.L.C.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/01/13 |
| Receiving ID# | EG0601501 |
| 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 | |
|------------------------------|--|----------------------|-----|
| 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 | 1.08 | TDS | 537 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 71°F | | |
| Conductivity | 106.3ms | | |
| % Solids | 5.3 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

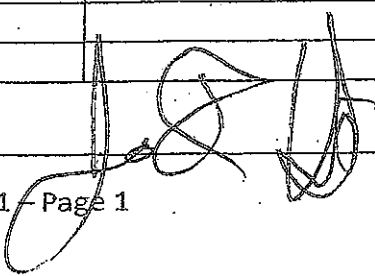
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/2/15 |
| Receiving ID# | 106021501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | P.F. |

COPY

| LAB INFORMATION | | Oilfield Brines Only | |
|------------------------------|--|----------------------|------|
| All Waste Streams | | | |
| 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 | 1.04 | TDS | 6.19 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 74°F | | |
| Conductivity | 1220 mS | | |
| % Solids | 601 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | Low | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

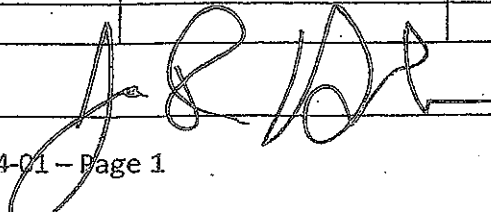
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/2/15 |
| Receiving ID# | 106021502 |
| 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 Streams | | | |
| Compatible? (RT#) | Yes No | Barium | |
| PCBs (ppm)(Oily Waste Only)? | | Calcium | |
| TOC (ppm)(CC Waste Only)? | | Total Iron | |
| Flash Point (°F) | > 140 | Magnesium | |
| pH (S.U.) | 0.5 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.09 | TDS | 6.12 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 65°F | | |
| Conductivity | 120.7 | | |
| % Solids | 6.1 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

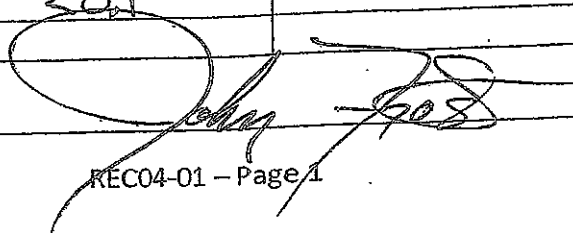
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6.3.15 |
| Receiving ID# | 106031501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval# | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | JKF |
| Sampled by | JKF |

COPY

| LAB INFORMATION | | Field Bases Only | |
|------------------------------|--|------------------|-----|
| All Waste Streams | | | |
| Compatible? (RT#) | <input checked="" type="radio"/> Yes <input type="radio"/> No | Barium | |
| PCBs (ppm)(Oily Waste Only)? | | Calcium | |
| TOC (ppm)(CC Waste Only)? | | Total Iron | |
| Flash Point (°F) | > 140 | Magnesium | |
| pH (S.U.) | 0.5 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.09 | TDS | 6.1 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 70 | | |
| Conductivity | 120.7 | | |
| % Solids | 6.1 | | |
| 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 | |
| Receiving ID# | T06031502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | JKE |
| Sampled by | JKE |

COPY

| LAB INFORMATION | | Offered Bases 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 | 1.08 | TDS | 6.0 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 70 | | |
| Conductivity | 122.1 | | |
| % Solids | 6.0 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | ≤0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature | | | |

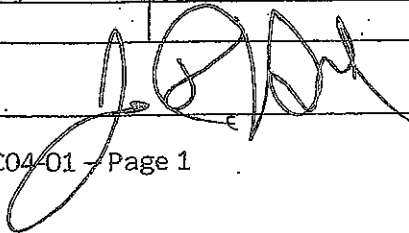
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|----------|
| Date | 6/4/15 |
| Receiving ID# | 10604501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | DAH |

COPY

| LAB INFORMATION | | Onfield Bases Only | |
|------------------------------|--|--------------------|------|
| All Waste Shipments | | | |
| Compatible? (RT#) | <input checked="" type="radio"/> Yes <input type="radio"/> No | Barium | |
| PCBs (ppm)(Oily Waste Only)? | | Calcium | |
| TOC (ppm)(CC Waste Only)? | | Total Iron | |
| Flash Point (°F) | > 140 | Magnesium | |
| pH (S.U.) | 1.3 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.09 | TDS | 5.37 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 70°F | | |
| Conductivity | 1050ms | | |
| % Solids | 5.3 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | <0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

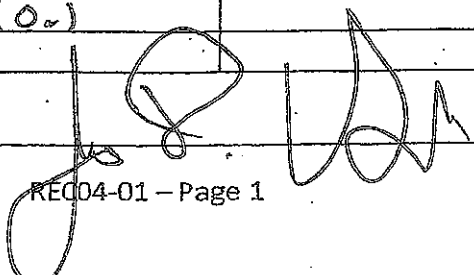
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|------------|
| Date | 6/8/13 |
| Receiving ID# | IP26081501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | 8P |

COPY

| LAB INFORMATION | | 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.) | 1.3 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.12 | TDS | 5.97 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 68°F | | |
| Conductivity | 117.0 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 | 6.8.15 |
| Receiving ID# | T06081502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | JKF |
| Sampled by | JKF |

COPY

| LAB INFORMATION Air Waste Shipments | | Offield Bites 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.) | 1.3 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.02 | TDS | 5.9 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 70.5 | | |
| Conductivity | 115.2 | | |
| % Solids | 5.9 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | <0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

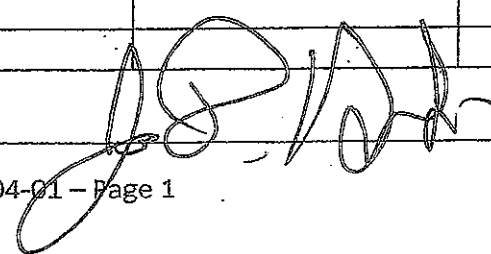
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|------------|
| Date | 6/9/15 |
| Receiving ID# | 1060915.01 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | RF |

COPY

| LAB INFORMATION All Waste Streams | | 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 | 1.05 | TDS | 2.77 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 65°F | | |
| Conductivity | 54.6 mS | | |
| % Solids | 2.7 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

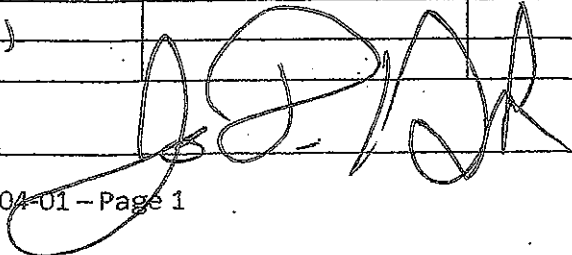
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/10/13 |
| Receiving ID# | 106101501 |
| 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 Streams | | | |
| 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 | 3.07 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 72°F | | |
| Conductivity | 59.7 mS | | |
| % Solids | 3.0 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 2.0 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

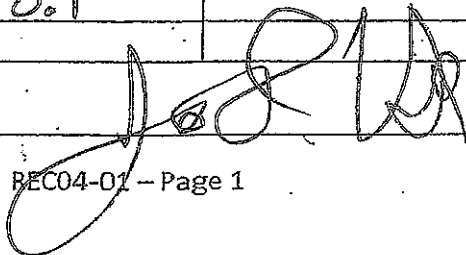
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, L.L.C.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/11/15 |
| Receiving ID# | 106111501 |
| 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.) | 2.4 | 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 | 73°F | | |
| Conductivity | 82.8 | | |
| % Solids | 4.1 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

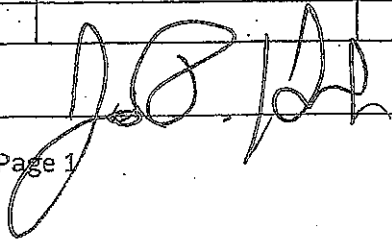
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|------------|
| Date | 6/12/15 |
| Receiving ID# | I 06121501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | O.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) | > 140 | Magnesium | |
| pH (S.U.) | 2.2 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.07 | TDS | 3.42 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 77°F | | |
| Conductivity | 68.1 mS | | |
| % Solids | 3.4 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

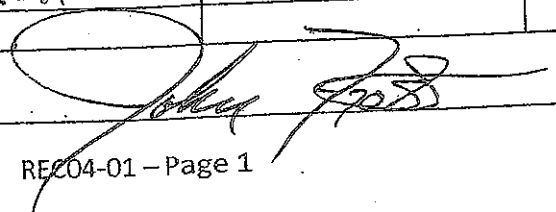
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6-9-15 |
| Receiving ID# | T06091502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval# | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | JKF |
| Sampled by | JKF |

COPY

| LAB INFORMATION | | Field Names 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 | 1.05 | TDS | 2.7 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 68 | | |
| Conductivity | 65 | | |
| % Solids | 2.8 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

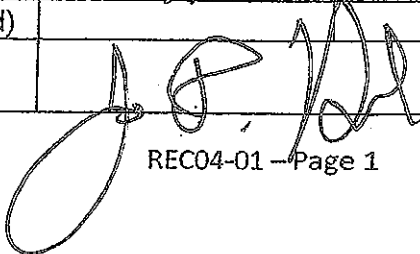
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 06/16/13 |
| Receiving ID# | I06161501 |
| 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 | |
|------------------------------|---|----------------------|------|
| Air Waste Streams | | | |
| Compatible? (RT#) | Yes No | Barium | |
| PCBs (ppm)(Oily Waste Only)? | | Calcium | |
| TOC (ppm)(CC Waste Only)? | | Total Iron | |
| Flash Point (°F) | > 140 | Magnesium | |
| pH (S.U.) | 2.3 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.07 | TDS | 3.97 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 74°F | | |
| Conductivity | 76.8 mS | | |
| % Solids | 3.9 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

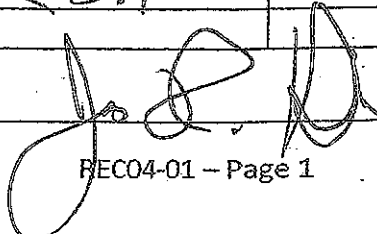
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/17/15 |
| Receiving ID# | 106171501 |
| 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 Streams | | | |
| 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.) | 1.3 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.10 | TDS | 6.0 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 83°F | | |
| Conductivity | 120.4 mS | | |
| % Solids | 6.0 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

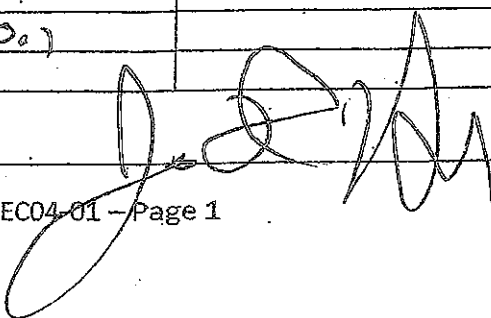
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/18/15 |
| Receiving ID# | 106181501 |
| 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 Streams | | Oil Spill Remediation 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.) | 2.1 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.04 | TDS | 2.59 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 76°F | | |
| Conductivity | 50.0 uS | | |
| % Solids | 2.5 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

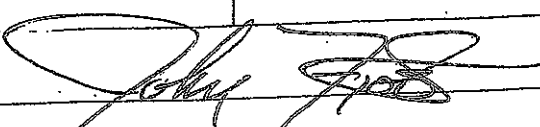
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|------------|
| Date | 6.18.15 |
| Receiving ID# | LOG181502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | JKE DAH |
| Sampled by | |

COPY

| LAB INFORMATION | | On Field Bins 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.) | 2.0 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.04 | TDS | 2.5 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 74 | | |
| Conductivity | 52 | | |
| % Solids | 2.5 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | <0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

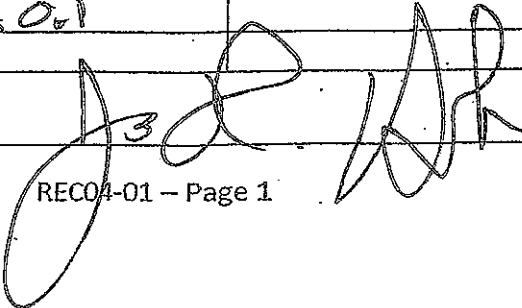
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/19/15 |
| Receiving ID# | 106191501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. U |
| Sampled by | J.H. U |

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.) | 1.6 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.07 | TDS | 9.37. |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 74°F | | |
| Conductivity | 85.9 mS | | |
| % Solids | 4.3 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 50.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

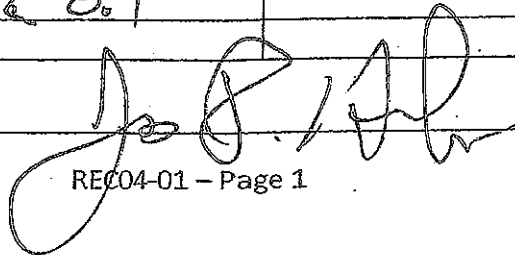
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/22/15 |
| Receiving ID# | 106221501 |
| 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 | | Other Lines 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.) | 2.0 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.06 | TDS | 4.0 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 74°F | | |
| Conductivity | 79.5 mS | | |
| % Solids | 4.0 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

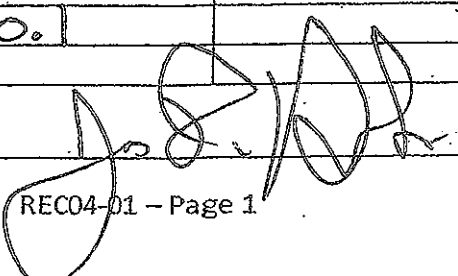
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/23/15 |
| Receiving ID# | 106231501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | RR |

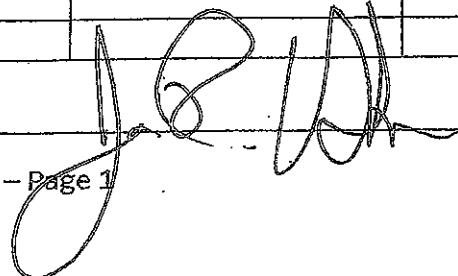
COPY

| LAB INFORMATION | | On Field Brines Only | |
|------------------------------|--|----------------------|------|
| All Wastes/Sludges | | | |
| 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 | 1.06 | TDS | 4.07 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 76°F | | |
| Conductivity | 80.3 mS | | |
| % Solids | 4.0 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/24/15 |
| Receiving ID# | 106241501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | RF |

COPY

| LAB INFORMATION | | © Field 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.) | 1.4 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.15 | TDS | 7.67 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 97°F | | |
| Conductivity | 151.8 mS | | |
| % Solids | 7.6 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.


RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|--------------------|
| Date | 6.24.15 |
| Receiving ID# | 106241502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | <i>AKF</i> |
| Sampled by | <i>[Signature]</i> |

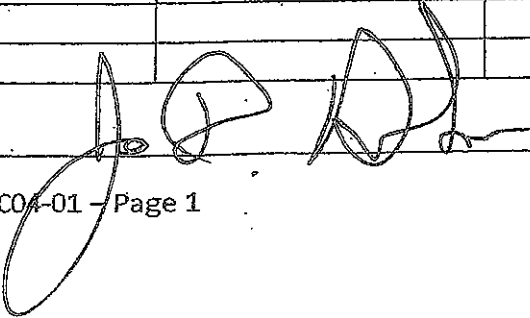
COPY

| LAB INFORMATION All Waste Shipments | | Metal Bases 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.) | 1.5 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.014 | TDS | 7.4 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 75 | | |
| Conductivity | 132.2 | | |
| % Solids | 7.4 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | <0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature | <i>[Signature]</i> | | |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|---|
| Date | 6/25/15 |
| Receiving ID# | IL06251501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by |  |
| Sampled by | |

COPY

| LAB INFORMATION | | Oilfield Brines Only | |
|------------------------------|--|----------------------|------|
| All Waste Streams | | | |
| Compatible? (RT#) | Yes No | Barium | |
| PCBs (ppm)(Oily Waste Only)? | | Calcium | |
| TOC (ppm)(CC Waste Only)? | | Total Iron | |
| Flash Point (°F) | > 140 | Magnesium | |
| pH (S.U.) | 2.6 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.06 | TDS | 3.27 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 76°F | | |
| Conductivity | 64.1 mS | | |
| % Solids | 3.2 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 50.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|--------------------|
| Date | 6-25-15 |
| Receiving ID# | LOG251502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | <i>[Signature]</i> |
| Sampled by | <i>[Signature]</i> |

COPY

| LAB INFORMATION All Waste Shippers | | Off Field 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) | 740 | Magnesium | |
| pH (S.U.) | 2.6 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.06 | TDS | 3.1 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 75 | | |
| Conductivity | 67 | | |
| % Solids | 3.1 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | | | |
| Radiation Screen (as needed) | <0.1 | | |
| Lab Signature | | | |

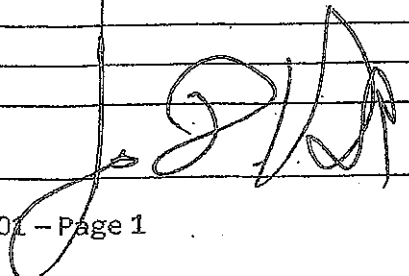
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6-26-15 |
| Receiving ID# | 106261501 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. |
| Sampled by | DA |

COPY

| LAB INFORMATION | | © Field 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.) | 1.7 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.10 | TDS | 5.37 |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 79°F | | |
| Conductivity | 105.9 mS | | |
| % Solids | 5.3 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

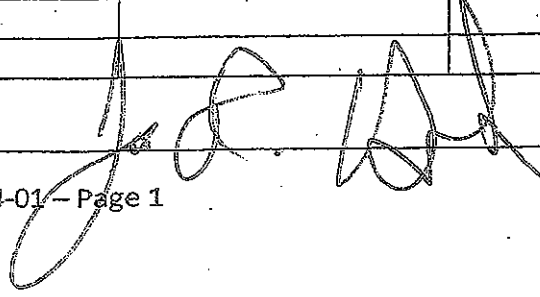
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6/29/13 |
| Receiving ID# | 106291501 |
| 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 | | Other Bures 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.) | 1.7 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.06 | TDS | 4.2% |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 67°F | | |
| Conductivity | 84.1 mS | | |
| % Solids | 4.2 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

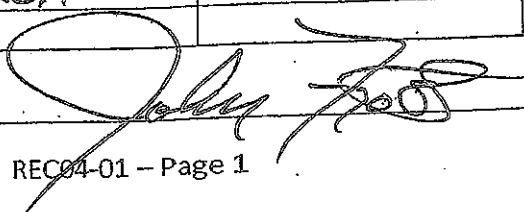
FINGERPRINT FORM

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------|
| Date | 6-29-15 |
| Receiving ID# | I06291502 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval# | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | JKE |
| Sampled by | JK |

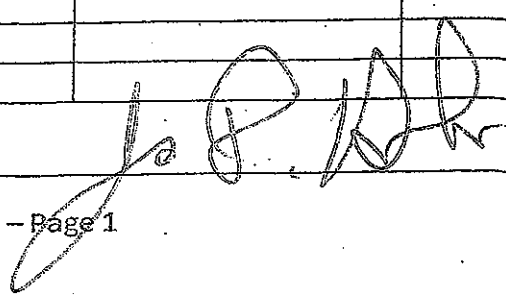
COPY

| LAB INFORMATION | | 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 | 1.06 | TDS | 4.0 |
| 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 | 68 | | |
| Conductivity | 88 | | |
| % Solids | 4.0 | | |
| Turbidity | Yes <input type="radio"/> No <input type="radio"/> | | |
| Color (visual) | | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|----------|
| Date | 6/30/15 |
| Receiving ID# | I0630150 |
| Manifest# Line: | |
| Land Ban Cert included | Yes No |
| EGT Approval # | |
| Generator | |
| Client | |
| Transporter | |
| Time in | |
| Time out | |
| Received by | J.H. BH |
| Sampled by | |

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.) | 1.5 | Sodium Chloride | |
| Cyanides? (mg/L) | | Bicarbonate | |
| Sulfides? (ppm) | | Carbonate | |
| Specific Gravity | 1.15 | TDS | 3.6% |
| Physical Description | | Resistivity | |
| Stream Consistency | Yes No | Sulfate | |
| Oil in Sample | Yes No | | |
| Temperature | 66°F | | |
| Conductivity | 72.2 mS | | |
| % Solids | 3.6 | | |
| Turbidity | Yes No | | |
| Color (visual) | | | |
| TSS (%) | 0.1 | | |
| Radiation Screen (as needed) | | | |
| Lab Signature |  | | |

WASTE STREAMS
CHARACTERIZATIONS

GENERATOR INFORMATION

Name: [REDACTED] USEPA ID # _____
 Facility Address: [REDACTED] SIC/NAICS Code: 332811 State Code: _____
 City: Plymouth State [REDACTED]
 Contact: [REDACTED] Title: [REDACTED] Phone: [REDACTED] Fax: () _____

BILLING INFORMATION

SAME AS ABOVE
 Company Name: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Attention: [REDACTED] Phone: [REDACTED] Fax: [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: Copper Stripping Solution
 Process Generating Waste (Please be specific, incomplete information may delay the approval process): Copper stripping solution used remove copper brazing from metal parts

USEPA / STATE WASTE IDENTIFICATION

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

PHYSICAL CHARACTERISTICS OF WASTE

| | | | | |
|---|---|---|---|---|
| Color: <input type="checkbox"/> White/Clear <input type="checkbox"/> Black/Brown <input checked="" type="checkbox"/> Other Blue | Suspended Solids <input checked="" type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input type="checkbox"/> > 5% | Layers: <input type="checkbox"/> Multi-Layered <input type="checkbox"/> Bi-Layered <input checked="" type="checkbox"/> Single Phase | Specific Gravity: <input type="checkbox"/> <0.8 <input type="checkbox"/> 1.0-1.2 <input checked="" type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.3-1.4 Exact / Other _____ | <i>acceptable</i> <i>10</i> <i>051515</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 - <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 |
|---------------------------------|--------|-----|-------------|------|-----|
| Copper Stripping Solution Spent | 95-99% | | Copper | 1-5% | |
| | | % | | | |
| | | % | | | |
| | | % | | | |

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

Table with columns for metal names, presence (Not Present/Present), concentration, and limits. Includes metals like PCB, Dioxins, Cyanides, Aromatic Amine, Pesticides, Rodenticides, Fungicides, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver.

TOLP 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, Non-Hazardous Liquid, Hazard Class, UN/NA
4. Method of Shipment: Bulk Tanker, Mac truck, Rail Car, X Drums, Totes
5. Number of Units to Ship Now: 10, Anticipated Volume/Units per Year: 10 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.

Printed Name: [Redacted] Title: [Redacted]
Generator's Signature: [Redacted] Date: [Redacted]

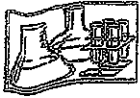
GENERATOR'S CHAIN OF CUSTODY RECORD INSTRUCTIONS: PLEASE collect a representative 1-quart sample of the waste described in the above referenced GENERATOR'S WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1.

Form for Chain of Custody Record with fields for Sampling Method, Collection Point, Sample Collector's Name, Title, Employer, Sample No., Preservation, and a table for Relinquished by/Received by with Date and Time.

RECEIVING & APPROVAL FORM

| | |
|------------------------|-------------|
| RECEIVING INFORMATION | |
| Date | 5/11/15 |
| Receiving ID# | Waste Water |
| 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 | Chen J |

| | | | |
|------------------------------|-------------|-----------------|--|
| 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.) | 9.4 | Sodium Chloride | |
| Cyanides? (mg/L) | < 30 | Bicarbonate | |
| Sulfides? (ppm) | < 200 | Carbonate | |
| Specific Gravity | 1.11 | TDS | |
| Physical Description | liquid | Resistivity | |
| Stream Consistency | (Yes) No | Sulfate | |
| Oil in Sample | Yes (No) | | |
| Temperature | 69°F | | |
| Conductivity | 131.2 μS | | |
| % Solids | 6.4 | | |
| Turbidity | (Yes) No | | |
| Color (visual) | Blue | | |
| TSS (%) | < 0.1 | | |
| Radiation Screen (as needed) | Negative | | |
| Lab Signature | [Signature] | | |



Lakeland Laboratories, Inc.

8290 Pettysville Road
Pinckney, MI 48169

Phone: (734) 878-3400
FAX: (734) 878-3981

Certificate of Analysis

Date: May 12, 2015

Customer: [REDACTED]

Project Name: [REDACTED]
Project Number: 2551
Submit Date: 5/5/2015
Collection Date: 5/5/2015

Lab Sample ID: 10393-99727

Sample ID: #2: Copper Stripper

| Parameters | Result | LRL | Units | Method Reference | Analysis Date | Analyst |
|-----------------------------|--------|------|-------|------------------|---------------|---------|
| RIC Analysis | | | | | | |
| Reactive Cyanide | ND | 50 | mg/Kg | SW846 9014 | 5/8/2015 | EDW |
| Reactive Sulfide | ND | 50 | mg/Kg | SW846 9030 | 5/8/2015 | EDW |
| Flashpoint | XXXX | 200 | °F | SW846 1010 | 5/8/2015 | EDW |
| pH | 7.8 | 1-14 | | SW846 9045C | 5/5/2015 | LLW |
| TCLP Metals Analysis | | | | | | |
| Arsenic | ND | 0.5 | mg/L | SW846 7060 | 5/11/2015 | LLW |
| Barium | ND | 0.5 | mg/L | SW846 7081 | 5/11/2015 | LLW |
| Cadmium | ND | 0.5 | mg/L | SW846 7130 | 5/11/2015 | LLW |
| Chromium | ND | 0.5 | mg/L | SW846 7190 | 5/11/2015 | LLW |
| Lead | ND | 0.5 | mg/L | SW846 7420 | 5/11/2015 | LLW |
| Mercury | ND | 0.1 | mg/L | SW846 7471 | 5/8/2015 | LLW |
| Selenium | ND | 0.5 | mg/L | SW846 7740 | 5/11/2015 | LLW |
| Silver | ND | 0.5 | mg/L | SW846 7761 | 5/11/2015 | LLW |

Parameter- The analysis performed or name of the chemical analyzed.

Result- The reported concentration in the sample at or above reg level

LRL- Lower Reporting Level

Units- The unit which corresponds to the reported concentration

Method Reference- The method used to provide results.

Analysis Date- Date the analysis was performed

Analyst- Initials of the analyst performing the analysis

ND- Parameter not detected above the reported LRL

Reviewed By: [REDACTED]

Date: [REDACTED]

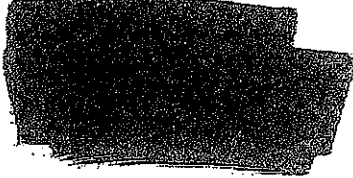
MSDS Document

Product ALK-CU-Strip Part A

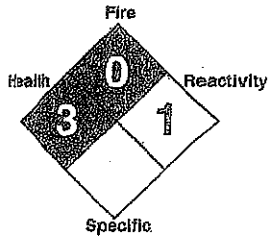
1. Chemical Product and Company Identification

Product ALK-CU-Strip Part A

MSDS ID 8860



Revision Date 7/2/2008



2. Composition and Information on Ingredients

| Ingredient | CAS Number | Weight % | ACGIH TLV | PEL | STEL |
|----------------------------|--------------|----------|-------------|--------------|------|
| TRADE SECRET INGREDIENT | Trade Secret | | | | |
| AMMONIUM HYDROXIDE | 1336-21-6 | 25 % | 25ppm (NH3) | 50 ppm (NH3) | |

3. Hazard Identification

Ingestion

This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat, and stomach. May cause vomiting.

Inhalation

Toxic by inhalation. May be fatal if inhaled. Corrosive. May cause irritation of the upper respiratory tract.

Eye

Corrosive to the eyes and may cause severe damage including blindness. Vapor may cause eye irritation.

Skin

Contact causes severe skin irritation and possible burns. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

Exposure may aggravate other pre-existing diseases, including diseases of the eyes, skin and lungs.

4. First Aid Information

Eye

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

Skin

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

Inhalation

Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

| | |
|-----|-------|
| LEL | 15.75 |
| UEL | 26 |

The Flammable Limits are for ammonia vapor.

Flammable Properties

This material is not considered a fire hazard. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may form explosive mixture with air.

Extinguishing Media

Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material. Cool fire exposed containers with water spray. Exposure to extreme heat may cause containers to burst.

Fire fighting instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

(approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

6. Accidental Release Measures

Clean-up

Ventilate area of leak or spill. Remove all sources of heat or ignition. Vacuum or sweep up material and place in a disposal container. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime. Do not flush to sewer.

7. Handling and Storage

Handling

Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing.

Storage

Store in a cool place in original container and protect from sunlight. Store away from heat. Store away from incompatible materials. Keep container closed when not in use. Keep away from food and drinking water.

8. Exposure Controls and Personal Protection

Engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

Respirators

A NIOSH-approved air purifying respirator with the appropriate cartridge or canister for the hazards may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Other clothing

Wear safety glasses with side shields (or goggles) and a face shield. Use gloves, and other body coverings, recommended for this material by manufacturers or suppliers based on test data showing adequate permeation and penetration resistance.

9. Physical and Chemical Properties

| | |
|---------------------|-----------------------------|
| Physical State | Liquid |
| Specific Gravity | 1.06 |
| Color/Appearance | Colorless to Pale Blue |
| Odor | Strong Ammonia DO NOT SMELL |
| pH | ~10 |
| Boiling/Cond. Point | 172-174 F |

| | |
|------------------|----------|
| Solubility | Complete |
| Evaporation Rate | <1 |
| Percent Volatile | 80 |
| Vapor Density | 0.6 |
| Vapor Pressure | 95.1 |

10. Stability and Reactivity

Thermal Stability

Stable under normal conditions of use and storage.

Conditions to Avoid

Incompatibles. Exposure to heat. Direct sunlight.

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Thermal decomposition may release toxic ammonia fumes. Thermal decomposition releases oxides of nitrogen.

Incompatibility

Acids, Acrolein, Dimethyl Sulfate, Halogens, Silver Nitrate, Propylene Oxide, Nitromethane, Silver Oxide, Silver Permanganate, Oleum, And Beta-Propiolactone. Most common metals.

11. Toxicological Information

Carcinogen

NTP: No
IARC: No
OSHA: No

TOXICITY DATA: (44 % AMMONIUM HYDROXIDE)

Oral Toxicity: LDLo: 43 Mg/Kg (Human)
Oral Toxicity: LD50: 350 Mg/Kg (Rat)
Oral Toxicity: LDlo: 750 Mg/Kg (Cat)
Eye Toxicity: SEV1 Mg/30S Rns (Rabbit)
Inhalation Toxicity: LDLo: 5000 Ppm (Human)
Inhalation Toxicity: TCLo: 700 ppm:Eye (Human)
Inhalation Toxicity: TCLo: 408 ppm:Irr (Human)

12. Ecological Information

Harmful to fish and other water organisms. Keep out of waterways.

LC50: 0.008 Mg/L 24H (Rainbow Trout)
LC50: 8.2 Mg/L 96H (Flathead Minnow)
LC50: 0.024 Mg/L 48H (Bluegill)
EC50: 0.66 Mg/L 48H (Water Flea)

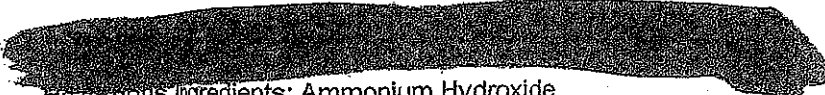
13. Disposal Considerations

Disposal Method

Dispose in accordance with applicable federal, state, local environmental and regulatory

requirements.

14. Transportation Information


Hazardous Ingredients: Ammonium Hydroxide
Identification Number: UN 2672
Packing Group: III
Label: Corrosive

RQ is applicable when shipping 1000# or more ammonium hydroxide in one package.

NOTE: During an incident involving this material, Use Of DOT
Emergency Response Guide No. 154 is also recommended.

15. Regulatory Information

Toxic Substances Control Act (TSCA)
Chemical ingredients are on the TSCA inventory.

Superfund Reportable Quantity (RQ)
1000#/454 KG - Ammonium Hydroxide

Hazardous Waste No.
Not Regulated.

Sara Title III (Section 313)
This product contains ammonia and is subject to reporting as ammonia and ammonium ion
on an ammonia basis = 1.6 Lb/Gal

California Proposition 65 Warning
This product may contain chemicals known to the state of California to cause cancer, or birth
defects or other reproductive harm.

Canadian Lists

DSL/NDSL
Found on the Domestic Substances List.

WHMIS

Ammonium hydroxide: Item number 96, reporting at 1% threshold;

STATE LISTS: This product contains ingredients that are listed for disclosure or reporting in
the states of California, Connecticut, Illinois, Louisiana, Massachusetts, North Carolina, New
Jersey, New York, Pennsylvania, and Texas. Please check with the appropriate Agencies.

For States Not Listed: Please check with the appropriate agencies.

16. Other Information

It is reasonable to assume that ammonia etchant compounds contain arsenic, cadmium,

chromium, and lead in concentrations ranging from a few parts per billion to several hundred parts per million. All information presented herein is given in good faith and is based on sources and tests considered to be reliable, but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product, as well as to determine the suitability of the product for a specific purpose. We make no warranty as to the results to be obtained in using the product; therefore all risks must be assumed by the user.

MSDS Document

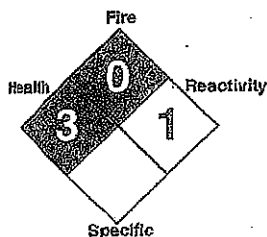
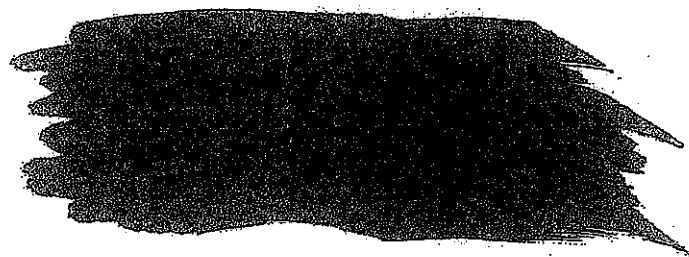
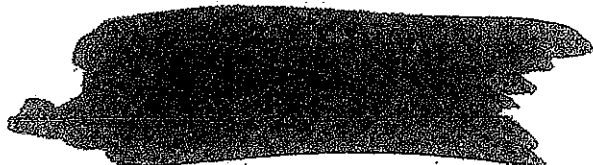
Product ALK-CU-STRIP, PART B

1. Chemical Product and Company Identification

Trade Name of this Product ALK-CU-STRIP, PART B

Synonyms: SODIUM CHLORITE SOLUTION

MSDS ID 8870



2. Composition and Information on Ingredients

| Ingredient | CAS Number | Weight % | ACGIH TLV | PEL | STEL |
|-----------------|------------|-----------|-----------|-----|------|
| WATER | 7732-18-5 | 69% - 78% | | | |
| SODIUM CHLORITE | 7758-19-2 | 20 % | | | |
| SODIUM CHLORIDE | 7647-14-5 | 16 % | | | |
| SODIUM SULFATE | 7757-82-6 | 12 % | | | |
| SODIUM CHLORATE | 7775-09-9 | 03 % | | | |

3. Hazard Identification

EFFECTS OF OVEREXPOSURE:

SYMPTOMS OF INGESTION: CAUSES SEVERE BURNING OR IRRITATION OF THE

DIGESTIVE TRACT. SYMPTOMS MAY INCLUDE NAUSEA, VOMITING, ABDOMINAL PAIN, AND DIARRHEA. SWALLOWING MAY BE DIFFICULT AT FIRST, THEN ALMOST IMPOSSIBLE. EFFECTS ON THE ESOPHAGUS AND G.I. TRACT MAY RANGE FROM IRRITATION TO SEVERE CORROSION, TO DEATH.

SYMPTOMS OF INHALATION: LIQUID AND VAPOR IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. SYMPTOMS MAY INCLUDE COUGHING, SORE THROAT, AND SHORTNESS OF BREATH. IN SEVERE CASES, PULMONARY EDEMA MAY DEVELOP.

SYMPTOMS OF SKIN CONTACT: IRRITATING TO THE SKIN. SYMPTOMS MAY INCLUDE IRRITATION, REDNESS, AND PAIN TO SEVERE BURNS.

SYMPTOMS OF EYE CONTACT: MAY CAUSE IRRITATION, REDNESS, PAIN, BLURRED OR IMPAIRED VISION, DISCOLORATION, AND DAMAGE.

CHRONIC EXPOSURE: MAY AGGRAVATE OTHER PRE-EXISTING DISEASES, INCLUDING DISEASES OF THE EYES, SKIN, AND LUNGS.

4. First Aid Information

EYE CONTACT: IMMEDIATELY, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS APART. WASHING WITHIN A FEW SECONDS IS ESSENTIAL TO ACHIEVE MAXIMUM EFFECTIVENESS. GET IMMEDIATE MEDICAL ATTENTION AFTER FLUSHING.

SKIN CONTACT: WASH AFFECTED AREA THOROUGHLY WITH WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. IF IRRITATION SHOULD DEVELOP, GET MEDICAL ATTENTION.

INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONSULT A PHYSICIAN.

INGESTION: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. GIVE PLENTY OF WATER. IF SPONTANEOUS VOMITING OCCURS, KEEP AIRWAY CLEAR. GIVE MORE WATER WHEN VOMITING STOPS. GET IMMEDIATE MEDICAL ATTENTION.

NOTES TO PHYSICIAN: CHLORINE DIOXIDE VAPORS ARE EMITTED WHEN THIS CONTACTS ACID OR CHLORINE. IF THESE VAPORS ARE INHALED, MONITOR PATIENT CLOSELY FOR DELAYED DEVELOPMENT OF PULMONARY EDEMA WHICH MAY OCCUR UP TO 48-72 HOURS POST-INHALATION. FOLLOWING INGESTION, NEUTRALIZATION AND USE OF ACTIVATED CHARCOAL IS NOT INDICATED.

5. Fire Fighting Measures

MATERIAL IS NOT COMBUSTIBLE. WHEN DRY SUBSTANCE IS A STRONG OXIDIZER AND THE HEAT OF ITS REACTION WITH REDUCING AGENTS OR COMBUSTIBLE MAY CAUSE IGNITION. INCREASES THE FLAMMABILITY OF ANY COMBUSTIBLE MATERIAL.

FLASH POINT (DEG C): NA
TEST METHOD: NA
FLAMMABLE LIMITS (% BY VOL): NA
AUTOIGNITION TEMP. (DEG C): NA

EXTINGUISHING MEDIA: ANY SUITABLE MEANS TO EXTINGUISH SURROUNDING FIRE. COOL DRUMS WITH WATER SPRAY.

SPECIAL FIRE FIGHTING PROCEDURES: USE SPECIAL BREATHING EQUIPMENT AND PROTECTIVE CLOTHING APPROPRIATE TO THE SURROUNDING FIRE.

UNUSUAL FIRE OR EXPLOSION HAZARDS: THERMAL DECOMPOSITION RELEASES TOXIC CHLORINE FUMES.

6. Accidental Release Measures

SPILL/LEAK CLEAN-UP PROCEDURES: VENTILATE SPILL AREA. REMOVE ALL SOURCES OF HEAT OR IGNITION. CONTAIN SPILL. SPILL MATERIAL MAY BE ABSORBED USING NON-COMBUSTIBLE COMMERCIAL ABSORBENTS. DAMPEN AND SCOOP SPILLED MATERIAL INTO CLEAN, DEDICATED EQUIPMENT. EVERY PRECAUTION SHOULD BE TAKEN TO AVOID MIXING SPILLED MATERIAL WITH OTHER CHEMICALS OR DEBRIS WHEN CLEANING UP. KEEP COLLECTED MATERIALS DAMP AND PUT INTO DRUMS. DISPOSE PROMPTLY. DRIED MATERIAL CAN IGNITE UPON CONTACT WITH COMBUSTIBLES.

7. Handling and Storage

PRECAUTIONARY MEASURES: AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. WEAR PROTECTIVE CLOTHING, GLOVES, AND SPLASH GOGGLES OR SHIELD. WASH THOROUGHLY AFTER USING. AVOID BREATHING DUST OR MIST. USE WITH ADEQUATE VENTILATION.

STORAGE AND HANDLING: KEEP IN A CLOSED CONTAINER. STORE IN A COOL, DRY, WELL VENTILATED AREA AND AWAY FROM DIRECT SUNLIGHT. ISOLATE FROM INCOMPATIBLE MATERIALS.

PROTECT FROM PHYSICAL DAMAGE.

8. Exposure Controls and Personal Protection

VENTILATION: A SYSTEM OF LOCAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST IS USUALLY PREFERRED BECAUSE IT CONTROLS THE EMISSION AT ITS SOURCE, PREVENTING DISPERSION OF IT INTO THE GENERAL WORK AREA. REFER TO THE ACGIH DOCUMENT INDUSTRIAL VENTILATION, A MANUAL OF RECOMMENDED PRACTICES FOR DETAILS.

RESPIRATORY PROTECTION: NIOSH/MSHA APPROVED RESPIRATOR IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS. GENERALLY, A DUST/MIST RESPIRATOR MAY BE WORN IN AREAS WHERE THE TLV IS EXCEEDED UP TO TEN TIMES. (50 TIMES IF THE APPROPRIATE FULL_FACE

RESPIRATOR AND CARTRIDGES ARE USED.) ALTERNATIVELY, A SUPPLIED-AIR FULL FACE-PIECE RESPIRATOR OR AIR-LINE HOOD MAY BE WORN. WHEN CHLORINE OR CHLORINE DIOXIDE FUMES ARE PRESENT, USE ACID GAS CARTRIDGES WITH AIR-PURIFYING RESPIRATORS.

EYE PROTECTION: USE CHEMICAL SAFETY GOGGLES AND A FACE SHIELD IF THE POTENTIAL FOR SPLASHING EXISTS.

AN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES SHOULD BE MAINTAINED IN THE WORK AREA.

SKIN PROTECTION: USE RUBBER OR GAUNTLET TYPE NEOPRENE IMPERVIOUS GLOVES AND BODY-COVERING CLOTHING.

PERSONAL HYGIENE: WASH THOROUGHLY AFTER HANDLING.

INGREDIENTS WT PCT PEL TLV(TWA)
(CAS NO.) (APPROX) MG/M3 PPM MG/M3 PPM

SODIUM CHLORITE 20 ND ND
(7758-19-2)

SODIUM CHLORATE 0-3 ND ND
(7775-09-9)

SODIUM CHLORIDE 1-6 ND ND
(7647-14-5)

SODIUM SULFATE 1-2 ND ND
(7757-82-6)

WATER 69-78 ND ND
(7732-18-5)

THE TLV'S ARE GIVEN FOR GUIDANCE; LOCAL APPLICABLE REGULATIONS SHOULD ALWAYS BE FOLLOWED. INGREDIENTS ARE THOSE PRESENT AT 1% OR GREATER, OR AT 0.1% OR GREATER IF LISTED AS POTENTIAL CARCINOGENS BY OSHA/IARC/NTP. PROPRIETARY INGREDIENT IDENTITIES ARE AVAILABLE IN ACCORDANCE WITH 29 CFR 1910.1200.

CARCINOGEN: NTP - NO

IARC - NO

OSHA - NO

9. Physical and Chemical Properties

Product CAS Number NOT APPLICABLE TO MI
Molecular Formula MIXTURE

D = DECOMPOSES

BOILING POINT, 760 MM HG (DEG C): 182 - 186 F

MELTING/FREEZING POINT (DEG C): ND

SPECIFIC GRAVITY (WATER = 1): 1.15

VAPOR PRESSURE (MM HG): 110.5
VAPOR DENSITY (AIR = 1): 0.620
WATER SOLUBILITY (% BY WT): MISCIBLE
VOLATILES (% BY WT): 75
EVAPORATION RATE (BUTYL ACETATE = 1): <1
PH OF SOLUTION: 12.5

APPEARANCE/ODOR: CLEAR, COLORLESS LIQUID, WITH A SLIGHT CHLORINE ODOR.

10. Stability and Reactivity

THERMAL STABILITY: STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

INCOMPATIBILITY: ACIDS, REDUCING AGENTS, COMBUSTIBLE MATERIALS, OXIDIZING MATERIALS, HYPOCHLORITE, ORGANIC SOLVENTS AND COMPOUNDS, GARBAGE, DIRT, ORGANIC MATTER, HOUSEHOLD PRODUCTS, SOAP PRODUCTS, PAINT PRODUCTS, VINEGAR, BEVERAGES, OILS, PINE OIL, DIRTY RAGS, SULFUR-CONTAINING RUBBER, OR ANY OTHER FOREIGN MATTER.

CONDITIONS TO AVOID: DO NOT STORE IN DIRECT SUNLIGHT OR EXPOSE TO HEAT. DRIED MATERIAL CAN IGNITE ON CONTACT WITH COMBUSTIBLES. AVOID CONTAMINATION WITH FOREIGN MATERIALS. DO NOT EXPOSE TO UV LIGHT.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION RELEASES TOXIC CHLORINE FUMES, AND OXIDES OF SODIUM. CONTACT WITH ACIDS RELEASES CHLORINE DIOXIDE GAS.

11. Toxicological Information

TOXICITY DATA: (FOR 100% SODIUM CHLORITE)
ORAL TOXICITY: LD50: 165 MG/KG (RAT)
LD50: 350 MG/KG (MOUSE)
LD50: 300 MG/KG (GUINEA PIG)
TDLO: 29750 MG/KG/85W (MOUSE) CARCINOGENIC EFFECTS

12. Ecological Information

13. Disposal Considerations

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL AND REGULATORY REQUIREMENTS.

14. Transportation Information

DOT SHIPPING NAME: CHLORITE SOLUTION, WITH MORE THAN 5% BUT LESS THAN 16% AVAILABLE CHLORINE

DOT HAZARD CLASS: 8
HAZARDOUS INGREDIENTS: SODIUM CHLORITE
IDENTIFICATION NUMBER: UN 1908
PACKING GROUP: II
LABEL: CORROSIVE

NOTE: DURING AN INCIDENT INVOLVING THIS MATERIAL, USE OF DOT EMERGENCY RESPONSE GUIDE NO. 154 IS ALSO RECOMMENDED.

15. Regulatory Information

TOXIC SUBSTANCES CONTROL ACT(TSCA): CHEMICAL INGREDIENTS ARE ON THE TSCA INVENTORY.

SUPERFUND REPORTABLE QUANTITY (RQ): NOT REGULATED.

HAZARDOUS WASTE NO.: NOT REGULATED. ?

SARA TITLE III: NOT REGULATED.
(SECTION 313)

CANADIAN LISTS:

DSL/NDL: SODIUM CHLORITE IS ON THE DOMESTIC SUBSTANCES LIST.
WHMIS: SODIUM CHLORITE IS ITEM NUMBER 1432 FROM THE INGREDIENT DISCLOSURE LIST AND IS SUBJECT TO REPORTING AT 1% THRESHOLD.

STATE LISTS: THIS MATERIAL CONTAINS INGREDIENTS THAT MAY BE LISTED FOR REPORTING OR DISCLOSURE IN THE STATES OF CONNECTICUT, MASSACHUSETTS, NEW JERSEY, PENNSYLVANIA, OR RHODE ISLAND. PLEASE CHECK WITH THE APPROPRIATE STATE AGENCIES.

FOR STATES NOT LISTED: PLEASE CHECK WITH THE APPROPRIATE AGENCIES.

16. Other Information

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC

2847 O Citrin Dr, Romulus, MI 48174. Telephone 734 946 1000. Fax 734 946 1002

Generator Waste Pro
Profile #: 0066

GENERATOR INFORMATION

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

BILLING INFORMATION

SAME AS ABOVE

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

WASTE INFORMATION

Name of Waste/Common Chemical Name:

PICKLE LIQUOR

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

STEEL TREATING OPERATIONS (H2SO4)

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 K062

PHYSICAL CHARACTERISTICS OF WASTE

| | | | | |
|--|---|---|---|----------------------------------|
| Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____ | Suspended Solids <input type="checkbox"/> 0-1 % <input type="checkbox"/> 3-5 % <input type="checkbox"/> 1-3 % <input checked="" type="checkbox"/> > 5% | Layers: <input type="checkbox"/> Multi-Layered <input checked="" type="checkbox"/> Bi-Layered <input 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>1.27</u> | <i>accepted</i> <i>060915</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>Sulfuric acid</u> | <u>40</u> | <u>3</u> | | | |
| <u>water</u> | <u>47</u> | <u>45</u> | | | |
| <u>solids</u> | <u>15</u> | <u>5</u> | | | |
| | | | | | |
| | | | | | |

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

| | Not Present | Concentration | | Not Present | Concentration | | | | |
|-------------------|-------------------------------------|---------------|----------------|-------------------------------------|---------------|---------------|------|-------------------------------------|-----------|
| 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 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 _____
- DOT Shipping Name: _____ Hazard Class: 8 UN1918
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: _____ 6. Anticipated Volume / Units per Year: varies 20000 gal/yr or One T
- 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 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 warrant 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 rest 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 GENERATOR'S WASTE PROFILE REPORT using an appropriate container. A representative sample one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the space provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. GRAB 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: | Date | Time |
|---------------------------------|-------|-------|--------------|-------|-------|
| _____ | _____ | _____ | _____ | _____ | _____ |

00661

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION | |
|------------------------|-----------------|
| Date | 6/8/15 |
| Receiving ID# | P. Chile Liquid |
| 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 | Claxt |

| ANALYSIS | | Other Elements (mg/L) | |
|------------------------------|---------------|-----------------------|--|
| Compatible? (RT#) | (Yes) No | Barium | |
| PCBs (ppm)(Oily Waste Only)? | N/A | Calcium | |
| TOC (ppm)(CC Waste Only)? | N/A | Total Iron | |
| Flash Point (°F) | > 140 | Magnesium | |
| pH (S.U.) | 0.7 | Sodium Chloride | |
| Cyanides? (mg/L) | < 30 | Bicarbonate | |
| Sulfides? (ppm) | < 200 | Carbonate | |
| Specific Gravity | 1.27 | TDS | |
| Physical Description | Liquid/Solids | Resistivity | |
| Stream Consistency | Yes (No) | Sulfate | |
| Oil in Sample | Yes (No) | | |
| Temperature | 73°F | | |
| Conductivity | 254.5mS | | |
| % Solids | 38.4 | | |
| Turbidity | (Yes) No | | |
| Color (visual) | Black/Green | | |
| TSS (%) | 11.9 | | |
| Radiation Screen (as needed) | Negative | | |
| Lab Signature | [Signature] | | |

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:
ZINC PHOSPHATE WASTE WATER

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

ZINC PHOSPHATE (MACRO) FROM PHOS TANK

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>1.06</u> | <i>accepted</i> <i>06.09.11</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>Water</u> | <u>99</u> | <u>65</u> | | | |
| <u>Zinc Phosphate</u> | <u>20</u> | <u>0</u> | | | |
| <u>Surfactants Acids</u> | <u>15</u> | <u>1</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
 NO SH 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 _____
- DOT Shipping Name _____ Hazard Class 8 UN/NA 3
- Method of Shipment: Bulk Tanker Vac truck Rail Car Drums Totes
- Number of Units to Ship Now: 3500 gal/lot 6. Anticipated Volume / Units per Year: _____ or One
- 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 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 warrant 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 one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the space provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technology representative.

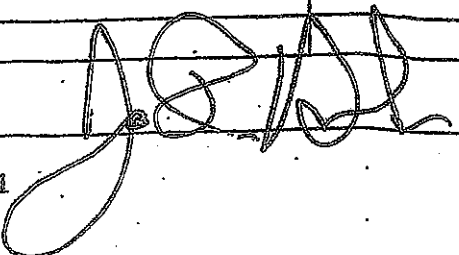
- SAMPLING METHOD
- COLLECTION POINT
- SAMPLE COLLECTOR'S NAME, TITLE, EMPLOYER
- Sample No. _____ Preservation: Yes No

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: | Date | Time |
|---------------------------------|------|------|--------------|------|------|
| | | | | | |

RECEIVING & APPROVAL FORM

| | |
|------------------------|------------------|
| Date | 6/8/15 |
| Receiving ID# | Z-5 Phosphate WW |
| 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. Kent |

| | | |
|------------------------------|--|-----------------|
| Compatible? (RT#) | <input checked="" type="radio"/> Yes <input type="radio"/> No | Barium |
| PCBs (ppm)(Oily Waste Only)? | N/A | Calcium |
| TOC (ppm)(OC Waste Only)? | N/A | Total Iron |
| Flash Point (°F) | > 140 | Magnesium |
| pH (S.U.) | 6.9 | Sodium Chloride |
| Cyanides? (mg/L) | < 30 | Bicarbonate |
| Sulfides? (ppm) | < 200 | Carbonate |
| Specific Gravity | 1.06 | TDS |
| Physical Description | Liquid | Resistivity |
| Stream Consistency | <input checked="" type="radio"/> Yes <input type="radio"/> No | Sulfate |
| Oil in Sample | Yes <input type="radio"/> No <input checked="" type="radio"/> | |
| Temperature | 79°F | |
| Conductivity | 49.3 mS | |
| % Solids | 37.4 | |
| Turbidity | Yes <input type="radio"/> No <input checked="" type="radio"/> | |
| Color (visual) | lt. Brown | |
| TSS (%) | Lo. | |
| Radiation Screen (as needed) | Negative | |
| Lab Signature |  | |

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] Phone: [REDACTED]
 BILLING INFORMATION: [REDACTED] SAME AS ABOVE
 Company Name: [REDACTED]
 Address: [REDACTED]
 City: [REDACTED] State: [REDACTED] Zip Code: [REDACTED]
 Attention: [REDACTED] Phone: [REDACTED] Fax: () [REDACTED]

WASTE INFORMATION

Name of Waste/Common Chemical Name: [REDACTED]
 Process Generating Waste (Please be specific, incomplete information may delay the approval process):
EXCAVATION OF TCE SOIL. RAW WATER
FILLED EXCAVATION.

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: FOU1 D040

PHYSICAL CHARACTERISTICS OF WASTE

| | | | | |
|--|---|---|--|------------------------|
| Color: <input type="checkbox"/> White/Clear <input checked="" type="checkbox"/> Black/Brown <input type="checkbox"/> Other _____ | Suspended Solids: <input type="checkbox"/> 0-1% <input 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 _____ | acceptable 06/10/15 |
|--|---|---|--|------------------------|

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 - 2.0 ppm 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>TETRACHLOROETHYLENE</u> | <u>1</u> | <u>2</u> | <u>WATER</u> | <u>99</u> | <u>98.5</u> |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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

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

TCLP Organics D012 - D018 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 Hazardous Waste Liquid, misc Hazard Class 9 UN 3082
 PG III ERG _____ Hazardous Constituents for "h.o.s." TACHLON ETHYLENE
- Method of Shipment: Bulk Tanker Misc truck Rail Car Drums Totes
- Number of Units to Ship Now: 2000 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 the 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 GENERATOR'S WASTE PROFILE REPORT using an appropriate container. A representative sample is one obtained using any of the applicable sampling methods cited in 40 CFR 261-Appendix 1. Fill in the sampling information in the spaces provided below. If you have problems obtaining a representative sample of your waste, please contact your Environmental Geo-Technologies representative.

1. Grab 2. bottom of excavation
 SAMPLING METHOD COLLECTION POINT

3. _____
 SAMPLE COLLECTOR'S NAME, TITLE & SIGNATURE

4. Sample No. 1 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 |
|---------------------------------|------|------|-----------------------------|------|------|
| | | | | | |

Analytical Laboratory Report

Report ID
Generated

Report to

Attention

Phone

Report produced by

Contact for report questions

Report Summary

Lab Sample ID(s): S66143.01-S66143.02

Project: 01-5110-0-002 / Commercial Property

Collected Date: 06/04/2015

Submitted Date/Time: 06/05/2015 15:30

Sampled by: Unknown

P.O. #: 01-5110-0-002

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Analytical Laboratory Report

General Report Notes

Results relate only to items tested as received by laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis were applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or, if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document [REDACTED] and is available upon request.

Full accreditation certificates are available upon request.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval [REDACTED]

Report Narrative

There is no additional narrative for this analytical report

Analytical Laboratory Report

Laboratory Certifications

| Authority | Certification ID |
|---------------------|------------------|
| Michigan DEQ | #9956 |
| DOD EAP/ISO 17025 | #69699 |
| WBENC | #2005110032 |
| Ohio VAP | #CL0002 |
| Indiana DOH | #C-MI-07 |
| New York NELAC | #11814 |
| North Carolina DENR | #680 |
| North Carolina DOH | #26702 |

Qualifier Descriptions

| Qualifier | Description |
|-----------|---|
| I | Result is outside of stated limit criteria |
| B | Compound also found in associated method blank |
| E | Concentration exceeds calibration range |
| F | Analysis run outside of holding time |
| G | Estimated result due to extraction run outside of holding time |
| H | Sample submitted and run outside of holding time |
| I | Matrix interference with internal standard |
| J | Estimated value less than reporting limit, but greater than MDL |
| L | Elevated reporting limit due to low sample amount |
| M | Result reported to MDL not RDL |
| O | Analysis performed by outside laboratory. See attached report. |
| R | Preliminary result |
| S | Surrogate recovery outside of control limits |
| | No correction for total solids |
| X | Elevated reporting limit due to matrix interference |
| Y | Elevated reporting limit due to high target concentration |
| b | Value detected less than reporting limit, but greater than MDL |
| e | Reported value estimated due to interference |
| j | Analyte also found in associated method blank |
| p | Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak. |
| x | Preserved from bulk sample |

Glossary of Abbreviations

| Abbreviation | Description |
|--------------|--|
| RL/RDL | Reporting Limit |
| MDL | Method Detection Limit |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| SW | EPA SW 846 (Soil and Wastewater) Methods |
| E | EPA Methods |
| SM | Standard Methods |

Analytical Laboratory Report

Method Summary

Method

N/A
SM2540B
SW8260C
SW8260C/5035A

Version

Not Applicable
Standard Method 2540 B 20th Edition
SW 846 Method 8260C Revision 3 August 2006
SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002

Analytical Laboratory Report

Sample Summary (2 samples)

| Sample ID | Sample Tag | Matrix | Collected Date/Time |
|-----------|---------------|--------|---------------------|
| S66143.01 | W-1 | Liquid | 06/04/2015 14:50 |
| S66143.02 | SB-13 5.5-6.5 | Soil | 06/04/2015 14:40 |

Analytical Laboratory Report

Lab Sample ID: S66143.01
 Sample Tag: W-1
 Collected Date/Time: 06/04/2015 14:50
 Matrix: Liquid
 COC Reference: 84253

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|------------|-----------------|---------------|-------------------|---------------|
| 3 | 40ml Glass | HCL | Yes | 5.0 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # |
|-------------------------------------|--------------|-----------|----|---------|----------------|---------|------------|
| <i>Extraction / Prep.</i> | | | | | | | |
| pH check for VOCs | <2 | STD Units | | N/A | 06/05/15 22:25 | LBR | |
| <i>Organics - Volatiles</i> | | | | | | | |
| <i>Volatile Organics - DEQ List</i> | | | | | | | |
| Diethyl ether | Not detected | ug/L | 10 | SW8260C | 06/05/15 16:56 | LBR | 60-29-7 |
| Acetone | Not detected | ug/L | 50 | SW8260C | 06/05/15 16:56 | LBR | 67-64-1 |
| Methyl iodide | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 74-88-4 |
| Carbon disulfide | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 75-15-0 |
| tert-Methyl butyl ether (MTBE) | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 1634-04-4 |
| Acrylonitrile | Not detected | ug/L | 2 | SW8260C | 06/05/15 16:56 | LBR | 107-13-1 |
| 2-Butanone (MEK) | Not detected | ug/L | 25 | SW8260C | 06/05/15 16:56 | LBR | 78-93-3 |
| Dichlorodifluoromethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 75-71-8 |
| Chloromethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 74-87-3 |
| Vinyl chloride | 3 | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 75-01-4 |
| Bromomethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 74-83-9 |
| Chloroethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 75-00-3 |
| 1-Chloro-2-fluoromethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 75-69-4 |
| 1,1-Dichloroethene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 75-35-4 |
| Methylene chloride | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 75-09-2 |
| trans-1,2-Dichloroethene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 156-60-5 |
| 1,1-Dichloroethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 75-34-3 |
| cis-1,2-Dichloroethene | 7 | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 156-59-2 |
| Tetrahydrofuran | Not detected | ug/L | 90 | SW8260C | 06/05/15 16:56 | LBR | 109-99-9 |
| Chloroform | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 67-66-3 |
| Bromochloromethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 74-97-5 |
| 1,1,1-Trichloroethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 71-55-6 |
| 4-Methyl-2-pentanone (MIBK) | Not detected | ug/L | 50 | SW8260C | 06/05/15 16:56 | LBR | 108-10-1 |
| 2-Hexanone | Not detected | ug/L | 50 | SW8260C | 06/05/15 16:56 | LBR | 591-78-6 |
| Carbon tetrachloride | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 56-23-5 |
| Benzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 71-43-2 |
| 1,2-Dichloroethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 107-06-2 |
| Trichloroethene | 7 | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 79-01-6 |
| 1,2-Dichloropropane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 78-87-5 |
| Bromodichloromethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 75-27-4 |
| Dibromomethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 74-95-3 |
| cis-1,3-Dichloropropene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 10061-01-5 |
| Toluene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 108-88-3 |
| trans-1,3-Dichloropropene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 10061-02-6 |
| 1,1,2-Trichloroethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 79-00-5 |
| Tetrachloroethene | 43 | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 127-18-4 |
| trans-1,4-Dichloro-2-butene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 110-57-6 |
| Dibromochloromethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 124-48-1 |
| Dibromoethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 106-93-4 |

Analytical Laboratory Report

Lab Sample ID: S66143.01 (continued)
 Sample Tag: W-1

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # |
|---|--------------|-------|----|---------|----------------|---------|----------|
| <i>Organics - Volatiles (continued)</i> | | | | | | | |
| <i>Volatile Organics - DEQ List (continued)</i> | | | | | | | |
| Chlorobenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 108-90-7 |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 630-20-6 |
| Ethylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 100-41-4 |
| p,m-Xylene | Not detected | ug/L | 2 | SW8260C | 06/05/15 16:56 | LBR | |
| o-Xylene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 95-47-6 |
| Styrene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 100-42-5 |
| Isopropylbenzene | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 98-82-8 |
| Bromoform | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 75-25-2 |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 79-34-5 |
| 1,2,3-Trichloropropane | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 96-18-4 |
| n-Propylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 103-65-1 |
| Bromobenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 108-86-1 |
| 1,3,5-Trimethylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 108-67-8 |
| tert-Butylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 98-06-6 |
| 1,2,4-Trimethylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 95-63-6 |
| sec-Butylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 135-98-8 |
| p-Isopropyltoluene | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 99-87-6 |
| 1,3-Dichlorobenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 541-73-1 |
| 1,4-Dichlorobenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 106-46-7 |
| 1,2-Dichlorobenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 95-50-1 |
| 1,2,3-Trimethylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 526-73-8 |
| n-Butylbenzene | Not detected | ug/L | 1 | SW8260C | 06/05/15 16:56 | LBR | 104-51-8 |
| Hexachloroethane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 67-72-1 |
| 1,2-Dibromo-3-chloropropane | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 96-12-8 |
| 1,2,4-Trichlorobenzene | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 120-82-1 |
| 1,2,3-Trichlorobenzene | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 87-61-6 |
| Naphthalene | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 91-20-3 |
| 2-Methylnaphthalene | Not detected | ug/L | 5 | SW8260C | 06/05/15 16:56 | LBR | 91-57-6 |

Analytical Laboratory Report

Lab Sample ID: S66143.02
 Sample Tag: SB-13 5.5-6.5
 Collected Date/Time: 06/04/2015 14:40
 Matrix: Soil
 COC Reference: 84253

Sample Containers

| # | Type | Preservative(s) | Refrigerated? | Arrival Temp. (C) | Thermometer # |
|---|-----------|-----------------|---------------|-------------------|---------------|
| 1 | QmI Glass | MeOH | Yes | 5.0 | IR |
| 1 | boZ Glass | None | Yes | 5.0 | IR |

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst CAS # |
|--------------------------------|--------------|-------|-------|---------------|----------------|----------------|
| Inorganics | | | | | | |
| Total Solids | 87 | % | 1 | SM2540B | 06/08/15 11:00 | WAR |
| Organics - Volatiles | | | | | | |
| Volatile Organics 5035 | | | | | | |
| Diethyl ether | Not detected | ug/kg | 300 | SW8260C/5035A | 06/05/15 17:49 | WAT 60-29-7 |
| Acetone | Not detected | ug/kg | 1,000 | SW8260C/5035A | 06/05/15 17:49 | WAT 67-64-1 |
| Methyl iodide | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 74-86-4 |
| Carbon disulfide | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-15-0 |
| tert-Methyl butyl ether (MTBE) | Not detected | ug/kg | 300 | SW8260C/5035A | 06/05/15 17:49 | WAT 1634-04-4 |
| Acrylonitrile | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 107-13-1 |
| 2-Butanone (MEK) | Not detected | ug/kg | 1,100 | SW8260C/5035A | 06/05/15 17:49 | WAT 78-93-3 |
| Dichlorodifluoromethane | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-71-8 |
| Chloromethane | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT 74-87-3 |
| Vinyl chloride | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-01-4 |
| Bromomethane | Not detected | ug/kg | 300 | SW8260C/5035A | 06/05/15 17:49 | WAT 74-83-9 |
| Chloroethane | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-00-3 |
| Trichlorofluoromethane | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-69-4 |
| 1,1-Dichloroethene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-35-4 |
| Methylene chloride | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-09-2 |
| trans-1,2-Dichloroethene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 156-60-5 |
| 1,1-Dichloroethane | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-34-3 |
| cis-1,2-Dichloroethene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 156-59-2 |
| Tetrahydrofuran | Not detected | ug/kg | 1,000 | SW8260C/5035A | 06/05/15 17:49 | WAT 109-99-9 |
| Chloroform | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 67-66-3 |
| Bromochloromethane | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 74-97-5 |
| 1,1,1-Trichloroethane | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 71-55-6 |
| 4-Methyl-2-pentanone (MIBK) | Not detected | ug/kg | 4,000 | SW8260C/5035A | 06/05/15 17:49 | WAT 108-10-1 |
| 2-Hexanone | Not detected | ug/kg | 4,000 | SW8260C/5035A | 06/05/15 17:49 | WAT 591-78-6 |
| Carbon tetrachloride | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 56-23-5 |
| Benzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 71-43-2 |
| 1,2-Dichloroethane | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 107-06-2 |
| Trichloroethene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 79-01-6 |
| 1,2-Dichloropropane | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 78-87-5 |
| Bromodichloromethane | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 75-27-4 |
| Dibromomethane | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT 74-95-3 |
| cis-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 10061-01-5 |
| Toluene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 108-88-3 |
| trans-1,3-Dichloropropene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 10061-02-6 |
| 1,1,2-Trichloroethane | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 79-00-5 |
| Tetrachloroethene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 127-18-4 |
| trans-1,4-Dichloro-2-butene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT 110-57-6 |
| Bromochloromethane | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT 124-48-1 |

Analytical Laboratory Report

Lab Sample ID: S66143.02 (continued)

Sample Tag: SB-13 5.5-8.5

| Analysis | Results | Units | RL | Method | Run Date/Time | Analyst | CAS # |
|---|--------------|-------|-----|---------------|----------------|---------|----------|
| <i>Organics - Volatiles (continued)</i> | | | | | | | |
| <i>Volatile Organics 5035 (continued)</i> | | | | | | | |
| 1,2-Dibromoethane | Not detected | ug/kg | 30 | SW8260C/5035A | 06/05/15 17:49 | WAT | 106-93-4 |
| Chlorobenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 108-90-7 |
| 1,1,1,2-Tetrachloroethane | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 630-20-6 |
| Ethylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 100-41-4 |
| p,m-Xylene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | |
| o-Xylene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 95-47-6 |
| Styrene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 100-42-5 |
| Isopropylbenzene | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT | 98-82-8 |
| Bromoform | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 75-25-2 |
| 1,1,2,2-Tetrachloroethane | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 79-34-5 |
| 1,2,3-Trichloropropane | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 96-18-4 |
| n-Propylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 103-65-1 |
| Bromobenzene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 108-86-1 |
| 1,3,5-Trimethylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 108-67-8 |
| tert-Butylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 98-06-6 |
| 1,2,4-Trimethylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 95-63-6 |
| sec-Butylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 135-98-8 |
| p-Isopropyltoluene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 99-87-6 |
| 1,3-Dichlorobenzene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 541-73-1 |
| 1,4-Dichlorobenzene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 106-46-7 |
| 1,2-Dichlorobenzene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 95-50-1 |
| 1,2,3-Trimethylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 526-73-8 |
| Butylbenzene | Not detected | ug/kg | 70 | SW8260C/5035A | 06/05/15 17:49 | WAT | 104-51-8 |
| Hexachloroethane | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT | 67-72-1 |
| 1,2-Dibromo-3-chloropropane | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT | 96-12-8 |
| 1,2,4-Trichlorobenzene | Not detected | ug/kg | 490 | SW8260C/5035A | 06/05/15 17:49 | WAT | 120-82-1 |
| 1,2,3-Trichlorobenzene | Not detected | ug/kg | 490 | SW8260C/5035A | 06/05/15 17:49 | WAT | 87-81-6 |
| Naphthalene | Not detected | ug/kg | 400 | SW8260C/5035A | 06/05/15 17:49 | WAT | 91-20-3 |
| 2-Methylnaphthalene | Not detected | ug/kg | 100 | SW8260C/5035A | 06/05/15 17:49 | WAT | 91-57-6 |

MI-Result reported to MDL not RDL