



**REPUBLIC**  
SERVICES

28470 Citrin Drive Romulus, MI 48174  
o 734.946.1000 republicservices.com

June 26, 2020

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

Re: RIES Monthly Report

Dear Mr. Batka:

Republic Industrial and Energy Solutions, LLC hereby timely submits its seventy-ninth Monthly Report ("MR") in conformance with the requirements of its two EPA UIC permits (#s MI-163-1W-C010 & MI-163-1W-C011).

RIES 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 in the last few months, there are computerized tabulated sheets absent from this report because the computer systems continue to be upgraded. This month has tabulated data for Well 1, however Well 2 continues to be rebuilt and will not be active until August of 2020. These sheets will be reinstated into this report once Well 2 workover is complete. RIES did not accept any F039 waste in May 2020 so no Page A-3 of 3 laboratory analyses are necessary to be submitted as part of this MR.

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 supervision and interaction with the persons who manage and operate the system, and those persons responsible for the collection of 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,



John Frost

cc: Nicole Rudolph (Republic Services)

**AVERAGE INJECTION RATE**

**Calculation of Average Injection Rate**

CURRENT REPORTING YEAR 2020

CURRENT REPORTING MONTH MAY

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

CURRENT MONTH (all volumes in gallons)

|                                   | Injected Waste | Injected Non-Waste | Total injected |
|-----------------------------------|----------------|--------------------|----------------|
| <b>MI-163-1W-C010, Well #1-12</b> |                |                    |                |
| Current Month                     | 292,149        | 0                  | 292,149        |
| Since facility first injected     |                |                    | 14,885,621     |
| <b>MI-163-1W-C011, Well #2-12</b> |                |                    |                |
| Current Month                     | 0              | 0                  | 0              |
| Since facility first injected     |                |                    | 4,648,763      |
|                                   |                | Lifetime Combined  | 19,534,384     |

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 77

$$\text{_____ lifetime number of months of injection} \times 43,830 \text{ minutes/month} = \underline{3,374,910} \text{ minutes of injection}$$

$$\text{Lifetime combined injected volume } \underline{19,534,384} \div \underline{3,374,910} \text{ minutes of injection} = \underline{5.8} \text{ gpm average injection rate}$$

## WELL 1 DATA



Well 01 Monthlt Data

|         | Injection Pressure (psig) |       | Annulus Tank Level (inch) |      | Annulus Pressure (psig) |         | Injection pH |      | Flow Rate (gpm) |       | Differential Pressure (psig) |       |
|---------|---------------------------|-------|---------------------------|------|-------------------------|---------|--------------|------|-----------------|-------|------------------------------|-------|
|         | Min                       | Max   | Min                       | Max  | Min                     | Max     | Min          | Max  | Min             | Max   | Min                          | Max   |
| 5/1/20  | -3.5                      | 659.4 | 36.1                      | 36.2 | 632.6                   | 960.0   | 4.6          | 8.6  | 0.0             | 83.3  | 214.1                        | 704.2 |
| 5/2/20  | 82.9                      | 85.5  | 36.1                      | 36.3 | 680.4                   | 701.0   | 8.4          | 8.4  | 0.0             | 0.1   | 598.9                        | 614.9 |
| 5/3/20  | 82.4                      | 82.8  | 36.2                      | 36.3 | 663.9                   | 678.5   | 8.5          | 8.5  | 0.0             | 0.1   | 581.2                        | 596.9 |
| 5/4/20  | 68.1                      | 663.8 | 36.2                      | 36.3 | 637.5                   | 931.7   | 6.4          | 8.4  | 0.0             | 73.8  | 265.5                        | 593.4 |
| 5/5/20  | 0.0                       | 696.7 | -5.8                      | 36.2 | 615.0                   | 996.2   | 0.0          | 7.4  | 0.0             | 83.2  | 615.0                        | 988.6 |
| 5/6/20  | -8.2                      | 605.7 | 35.3                      | 35.4 | 726.6                   | 998.5   | 0.0          | 7.3  | 0.0             | 133.7 | 734.8                        | 987.2 |
| 5/7/20  | -9.4                      | 726.7 | 35.3                      | 35.5 | 663.7                   | 1,062.2 | 0.0          | 8.2  | 0.0             | 148.9 | 208.2                        | 697.8 |
| 5/8/20  | 72.3                      | 781.4 | 35.3                      | 35.5 | 701.9                   | 1,064.1 | 6.4          | 8.0  | 0.0             | 83.4  | 266.2                        | 670.6 |
| 5/9/20  | 67.0                      | 71.8  | 35.2                      | 35.3 | 673.3                   | 706.8   | 7.2          | 7.2  | 0.0             | 0.3   | 606.8                        | 634.9 |
| 5/10/20 | 64.9                      | 66.0  | 35.2                      | 35.3 | 655.1                   | 671.7   | 7.2          | 7.2  | 0.0             | 0.3   | 590.2                        | 605.3 |
| 5/11/20 | 64.3                      | 805.0 | 35.2                      | 35.3 | 647.8                   | 998.0   | 7.1          | 8.9  | 0.0             | 84.0  | 193.0                        | 591.5 |
| 5/12/20 | 86.1                      | 876.9 | 34.4                      | 35.3 | 635.6                   | 1,195.5 | 8.4          | 9.1  | 0.0             | 82.9  | 147.5                        | 743.0 |
| 5/13/20 | 88.4                      | 909.3 | 34.4                      | 34.5 | 769.5                   | 1,111.5 | 7.2          | 9.1  | 0.0             | 83.0  | 202.2                        | 728.3 |
| 5/14/20 | 93.5                      | 870.7 | 34.4                      | 34.5 | 646.4                   | 1,059.4 | 0.0          | 10.2 | 0.0             | 83.3  | 125.0                        | 680.1 |
| 5/15/20 | 118.3                     | 599.2 | 33.7                      | 34.6 | 603.2                   | 917.5   | 0.0          | 8.2  | 0.0             | 83.3  | 174.0                        | 768.2 |
| 5/16/20 | 118.8                     | 120.6 | 33.7                      | 33.8 | 866.6                   | 889.3   | 0.0          | 0.0  | 0.0             | 0.6   | 748.1                        | 768.8 |
| 5/17/20 | 117.6                     | 118.5 | 33.7                      | 33.8 | 835.2                   | 860.0   | 0.0          | 0.0  | 0.0             | 0.4   | 717.7                        | 743.6 |
| 5/18/20 | 92.0                      | 697.8 | 33.7                      | 33.7 | 808.8                   | 1,104.5 | 0.0          | 9.1  | 0.0             | 83.8  | 405.6                        | 730.0 |
| 5/19/20 | 90.1                      | 687.4 | 33.7                      | 33.7 | 773.5                   | 1,109.9 | 0.0          | 8.0  | 0.0             | 85.3  | 385.8                        | 735.4 |
| 5/20/20 | 87.1                      | 92.8  | 33.7                      | 33.7 | 723.6                   | 771.3   | 0.0          | 7.0  | 0.0             | 1.3   | 637.2                        | 680.9 |
| 5/21/20 | 85.2                      | 289.8 | 33.7                      | 33.8 | 688.1                   | 793.0   | 0.0          | 7.0  | 0.0             | 73.5  | 499.1                        | 630.4 |
| 5/22/20 | 84.4                      | 676.5 | 33.7                      | 33.8 | 658.2                   | 966.2   | 5.1          | 7.7  | 0.0             | 83.5  | 282.0                        | 604.6 |
| 5/23/20 | 83.9                      | 85.5  | 33.7                      | 33.8 | 615.5                   | 656.2   | 7.6          | 7.6  | 0.0             | 0.3   | 532.4                        | 570.3 |
| 5/24/20 | 83.2                      | 83.6  | 33.7                      | 33.9 | 583.4                   | 610.4   | 7.6          | 7.6  | 0.0             | 0.3   | 498.0                        | 525.5 |
| 5/25/20 | 82.8                      | 83.1  | 33.8                      | 34.0 | 549.7                   | 577.5   | 7.6          | 7.7  | 0.0             | 0.3   | 469.5                        | 495.2 |
| 5/26/20 | 0.0                       | 752.0 | 33.1                      | 34.0 | 544.1                   | 1,111.0 | 4.4          | 7.0  | 0.0             | 83.9  | 544.1                        | 888.4 |
| 5/27/20 | 0.0                       | 100.0 | 33.1                      | 33.2 | 538.0                   | 741.1   | 6.7          | 6.9  | 0.0             | 6.2   | 538.0                        | 715.9 |
| 5/28/20 | 492.9                     | 492.9 | 33.0                      | 33.0 | 893.1                   | 893.1   | 6.1          | 6.1  | 0.0             | 58.6  | 427.0                        | 427.0 |
| 5/29/20 | 95.5                      | 735.4 | 33.0                      | 33.0 | 648.7                   | 1,014.2 | 5.9          | 5.9  | 0.0             | 83.3  | 264.7                        | 621.3 |
| 5/30/20 | 91.5                      | 94.0  | 32.9                      | 33.0 | 586.3                   | 642.2   | 5.9          | 5.9  | 0.0             | 0.3   | 488.7                        | 547.8 |
| 5/31/20 | 90.7                      | 90.7  | 32.9                      | 33.0 | 546.4                   | 570.7   | 5.9          | 5.9  | 0.0             | 0.3   | 457.2                        | 474.4 |

## Circle Chart Index

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

### Chart Recorder #1

Channel #1

**Blue Pen** - Well 1 Injection Pressure (chart value x 30)

Channel #2

**Red Pen** - Well 1 Annulus Pressure (chart value x 30)

Channel #3

**Green Pen** - Well 1 Flow Rate (chart value x 4)

Channel #4

**Black Pen** - Well 1 Annulus Tank Level (chart value x 0)

### Chart Recorder #2

Channel #1

**Blue Pen** - Well 2 Injection Pressure (chart value x 30)

Channel #2

**Red Pen** - Well 2 Annulus Pressure (chart value x 30)

Channel #3

**Green Pen** - Well 2 Flow Rate (chart value x 4)

Channel #4

**Black Pen** - Well 2 Annulus Tank Level (chart value x 0)

### Chart Recorder #3

Channel #1

**Blue Pen** - Injection pH Well 1 & 2 (chart value + 3.3)

Channel #2

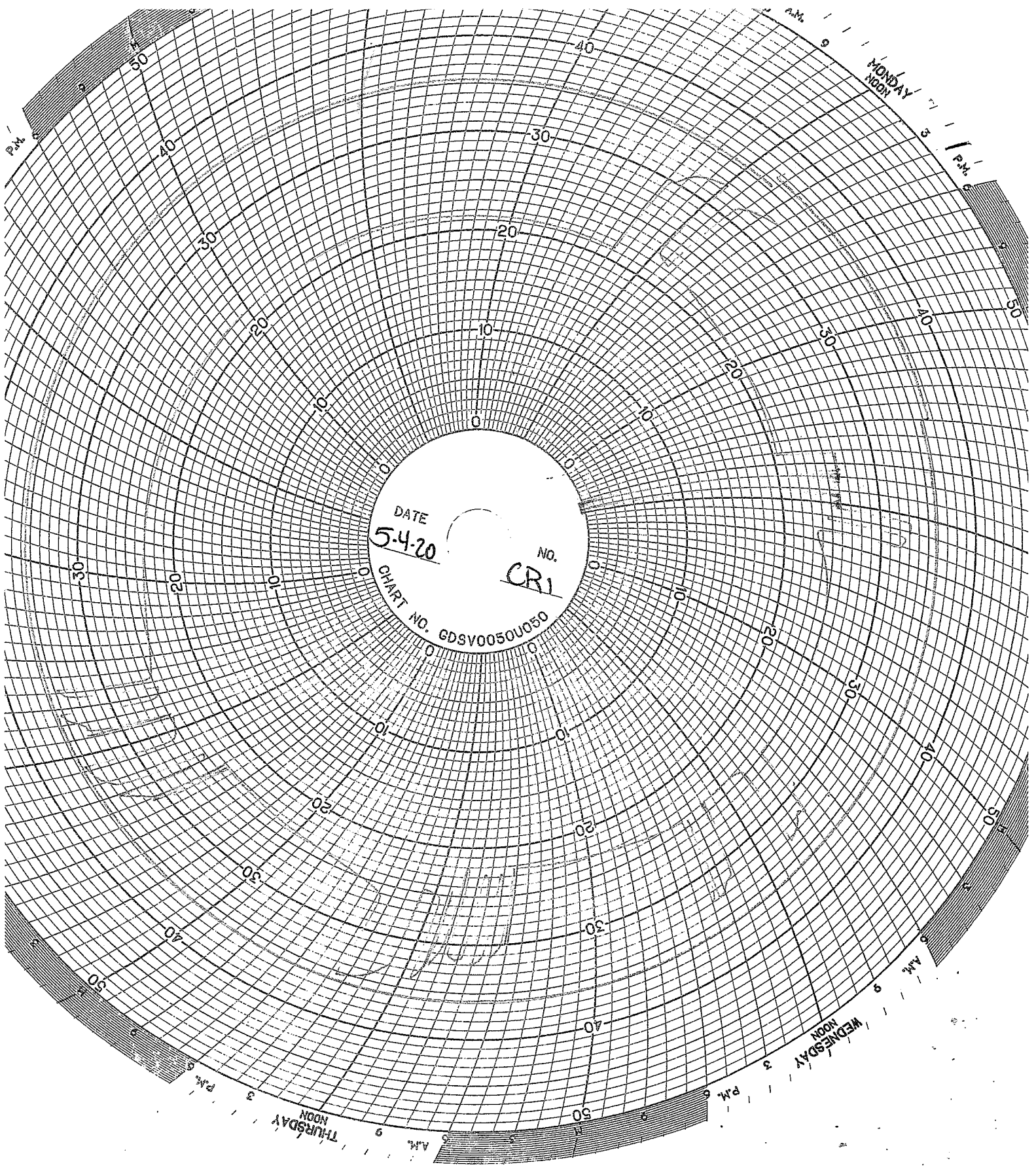
**Red Pen** - Well 1 Monthly Volume (chart value x 100,000)

Channel #3

**Green Pen** - Well 2 Monthly Volume (chart value x 100,000)

Channel #4

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



DATE  
5-4-20

NO.  
CR1

CHART NO. GDSV0050U050

MONDAY  
NOON

P.M.

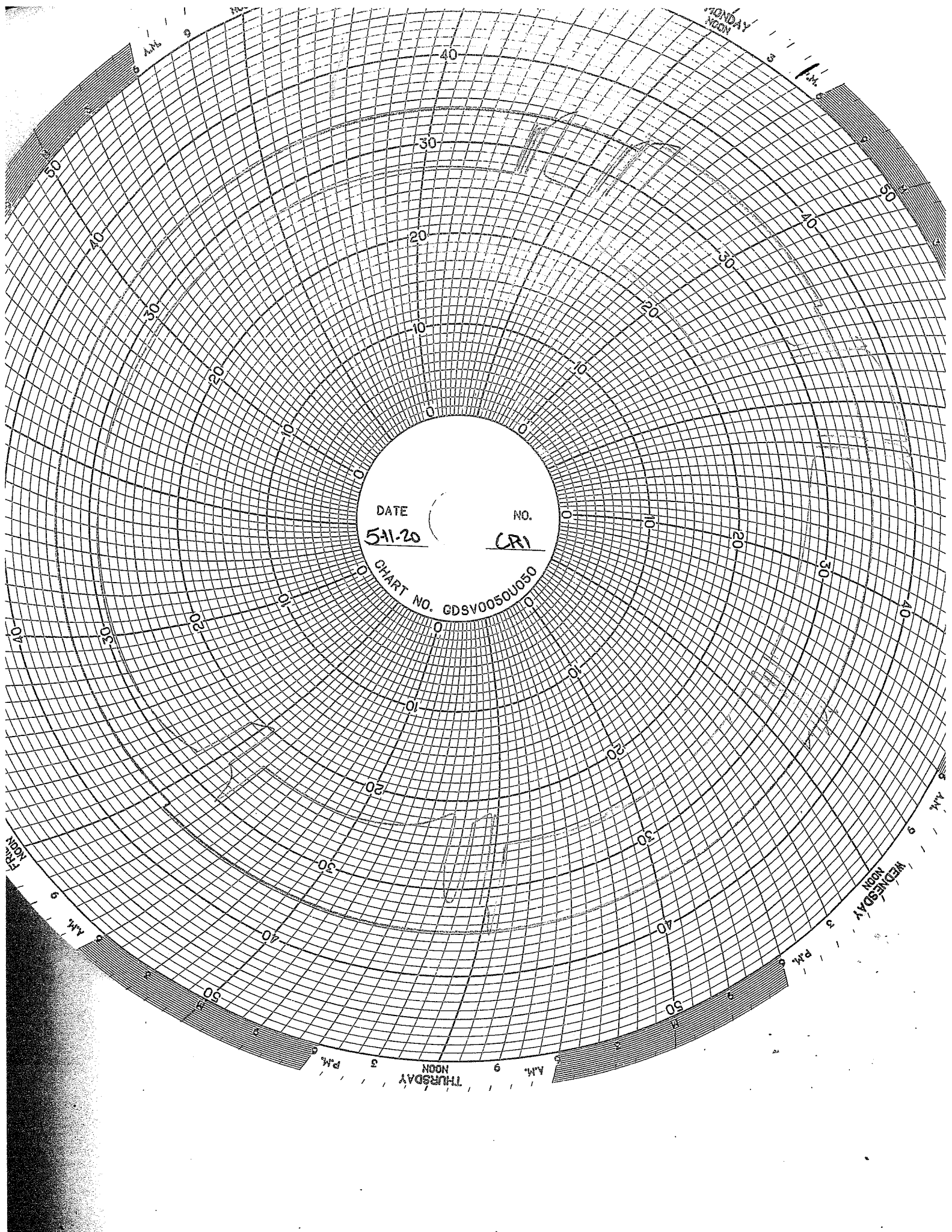
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NOON

A.M.

THURSDAY  
NOON

A.M.

P.M.



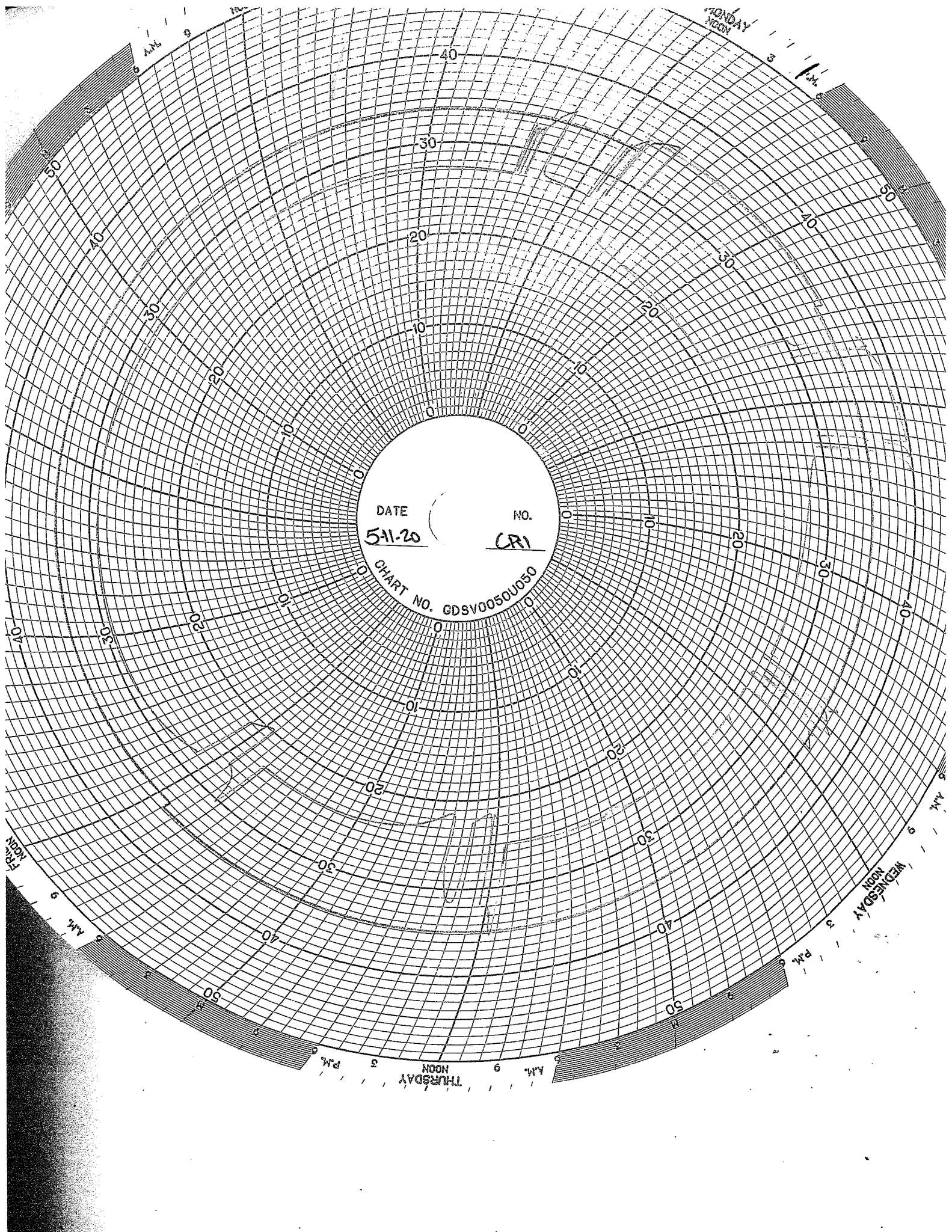
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CHART NO. GDSV0050U050

MONDAY  
NOON

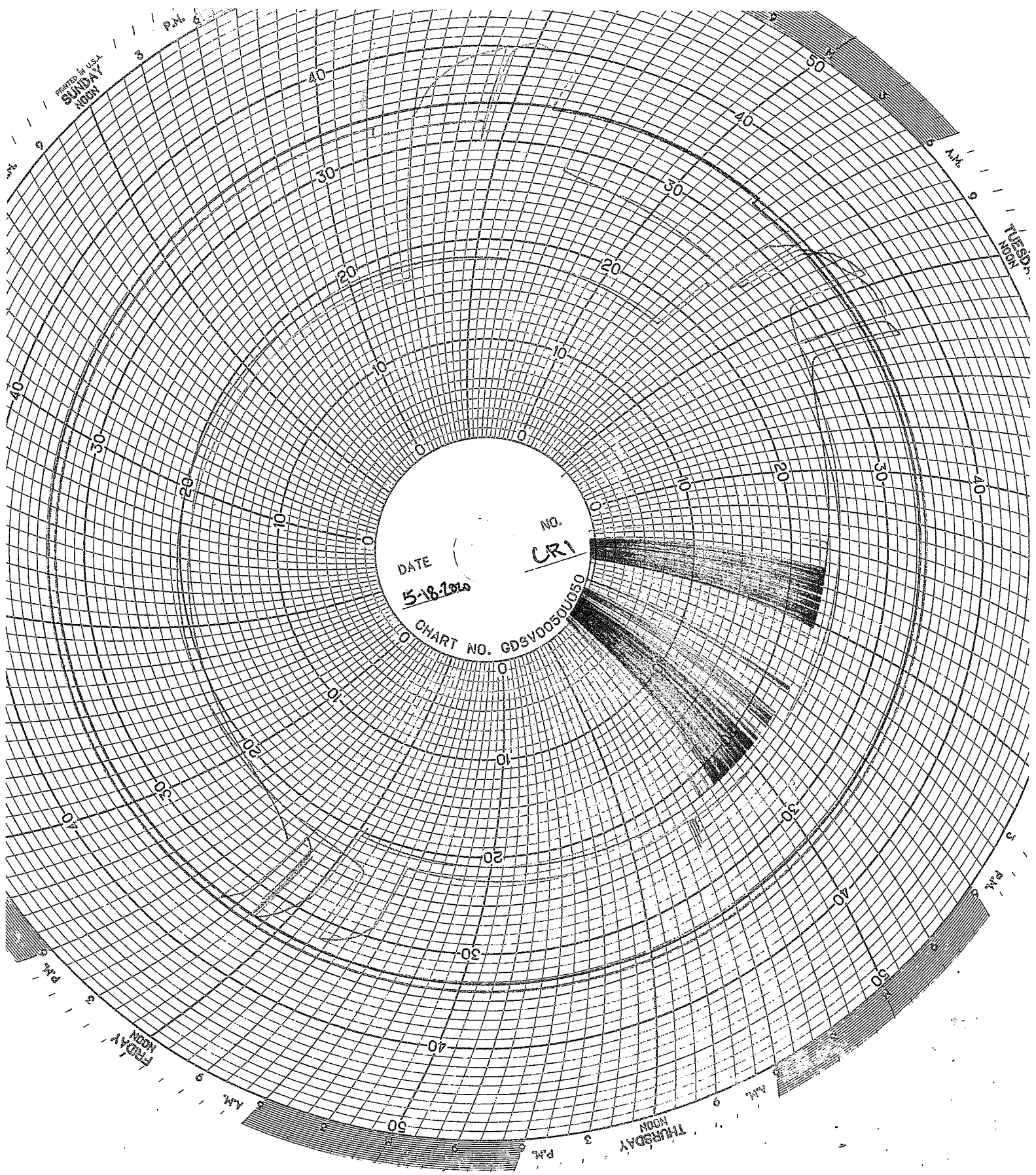
FRIDAY  
9 AM

WEDNESDAY  
NOON

THURSDAY  
3 PM







PRINTED IN U.S.A.  
**SUNDAY**  
NOON

**TUESDAY**  
NOON

**WEDNESDAY**  
3 PM

**THURSDAY**  
NOON

**FRIDAY**  
NOON

50

40

30

20

10

0

0

0

0

0

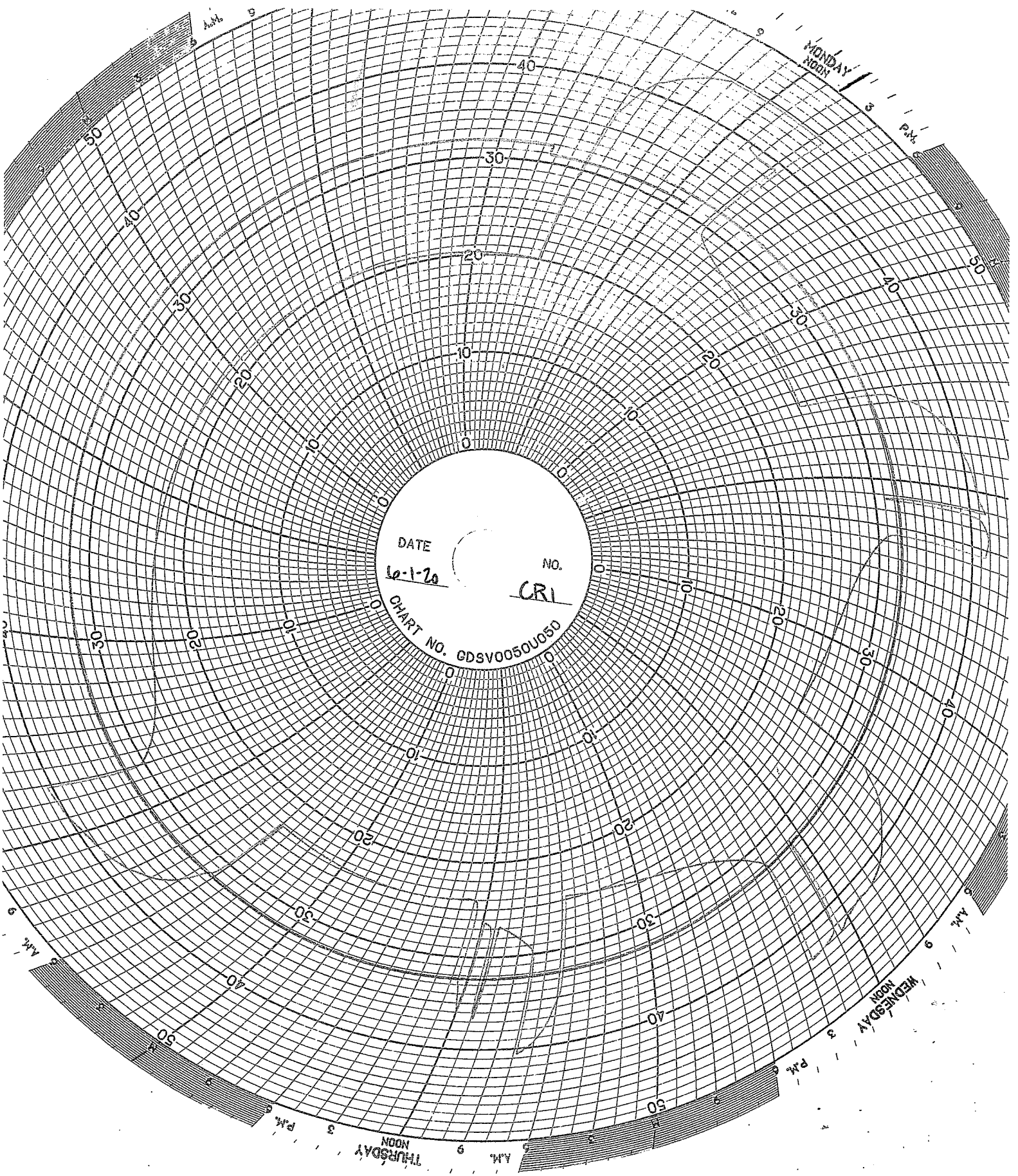
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**5-18-1966**

No.  
**CRI**

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DATE 6-1-76  
NO. CRI  
CHART NO. GDSV0050U050

MONDAY  
NOON

WEDNESDAY  
NOON

THURSDAY  
NOON

**WELL 2 DATA**

## Circle Chart Index

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

### Chart Recorder #1

Channel #1

**Blue Pen** - Well 1 Injection Pressure (chart value x 30)

Channel #2

**Red Pen** - Well 1 Annulus Pressure (chart value x 30)

Channel #3

**Green Pen** - Well 1 Flow Rate (chart value x 4)

Channel #4

**Black Pen** - Well 1 Annulus Tank Level (chart value x 0)

### Chart Recorder #2

Channel #1

**Blue Pen** - Well 2 Injection Pressure (chart value x 30)

Channel #2

**Red Pen** - Well 2 Annulus Pressure (chart value x 30)

Channel #3

**Green Pen** - Well 2 Flow Rate (chart value x 4)

Channel #4

**Black Pen** - Well 2 Annulus Tank Level (chart value x 0)

### Chart Recorder #3

Channel #1

**Blue Pen** - Injection pH Well 1 & 2 (chart value  $\pm 3.3$ )

Channel #2

**Red Pen** - Well 1 Monthly Volume (chart value x 100,000)

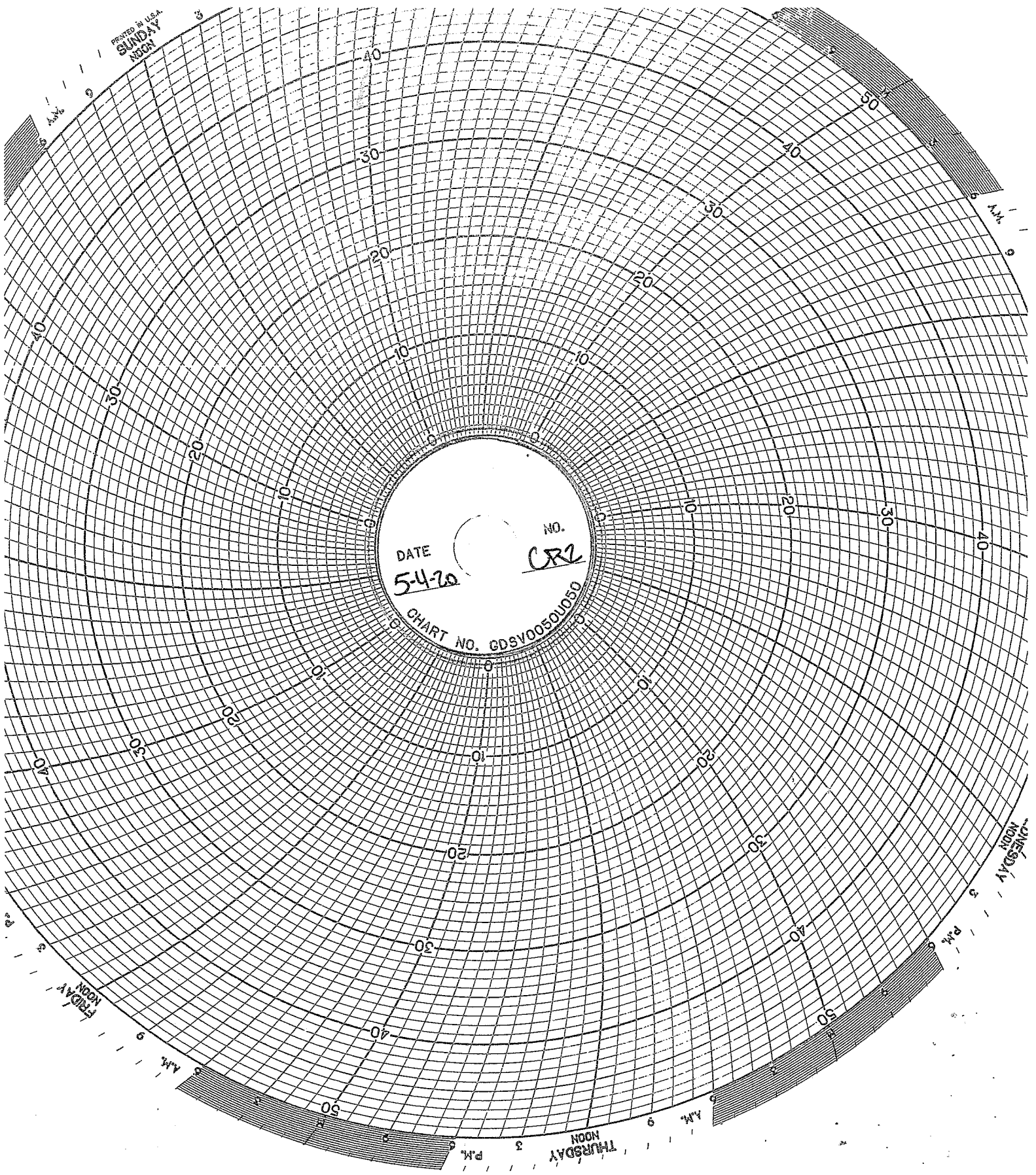
Channel #3

**Green Pen** - Well 2 Monthly Volume (chart value x 100,000)

Channel #4

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

PRINTED IN U.S.A.  
SUNDAY  
NOON



DATE  
5-4-70

NO.  
CR2

CHART NO. GDSV00501050

FRIDAY  
NOON

AM

THURSDAY  
NOON

AM

WEDNESDAY  
NOON

PM

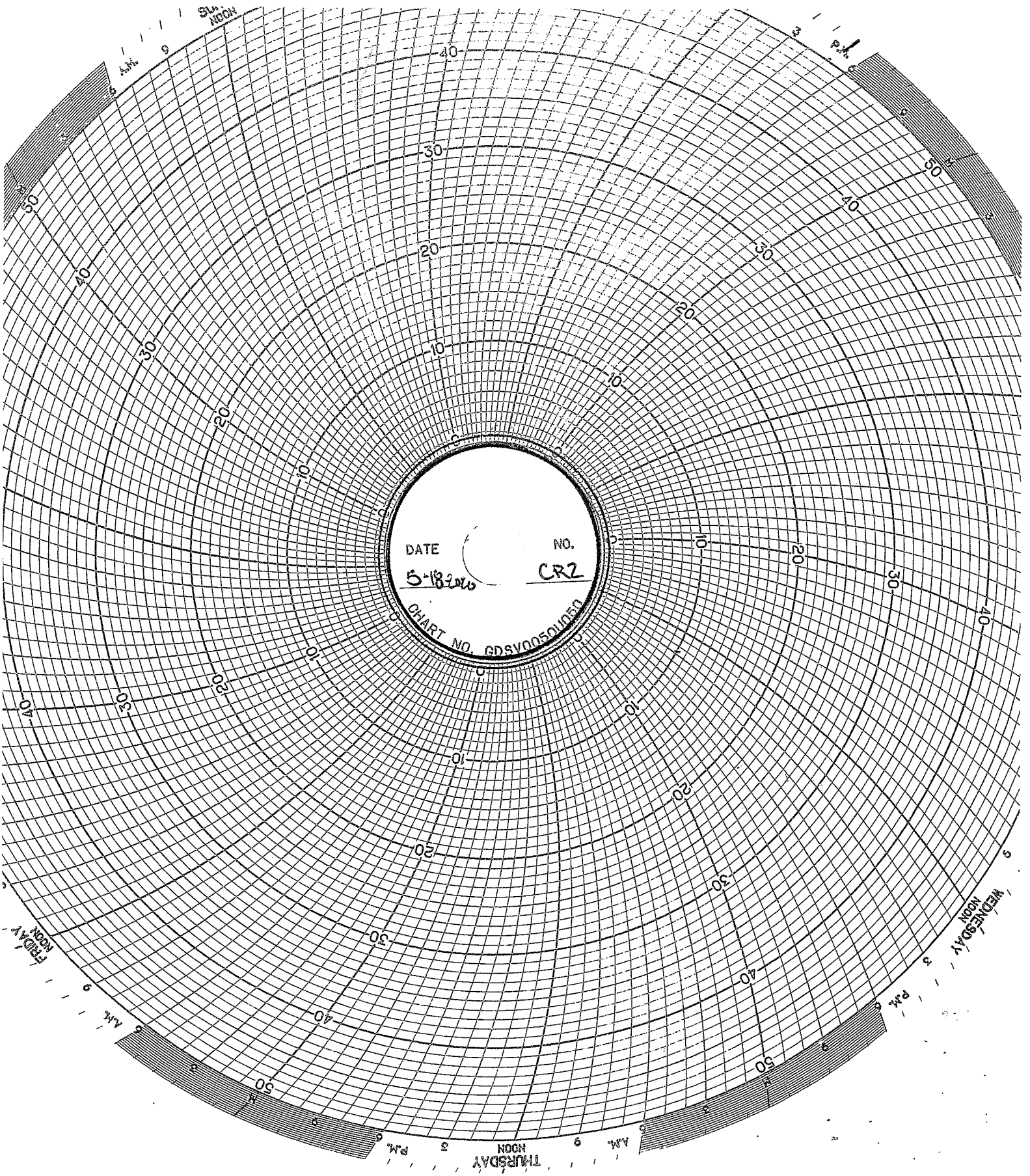
AM

AM

AM

AM





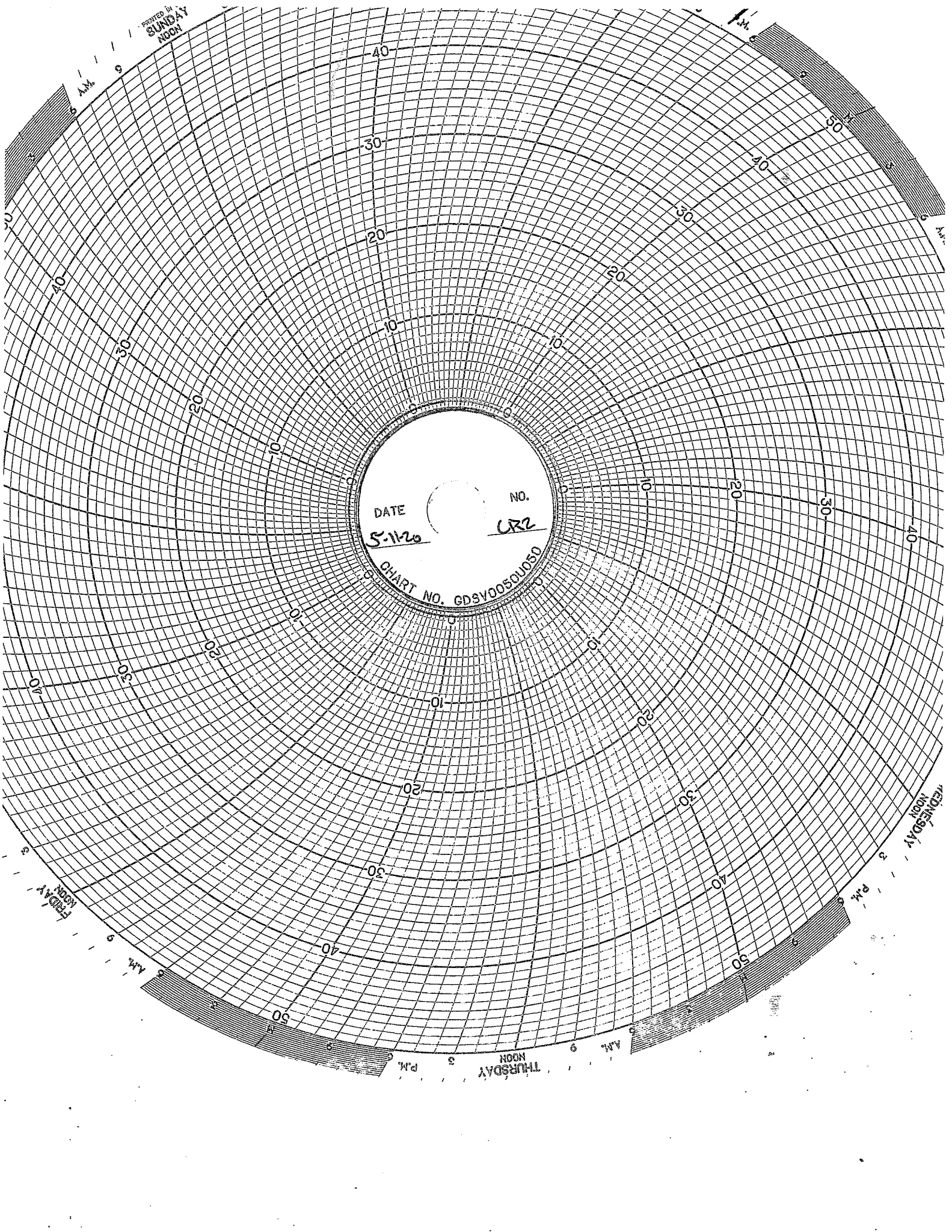
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NO.

5-18-2016

CR2

CHART NO. GDSV00501070



Printed by  
**SUNDAY**  
NOON

DATE

5-12-60

NO.

CR2

CHART NO. 683V00501050

**THURSDAY**  
NOON

**THURSDAY**  
NOON

**FRIDAY**  
NOON

**PM**

**AM**

**AM**

**PM**

**AM**

**PM**

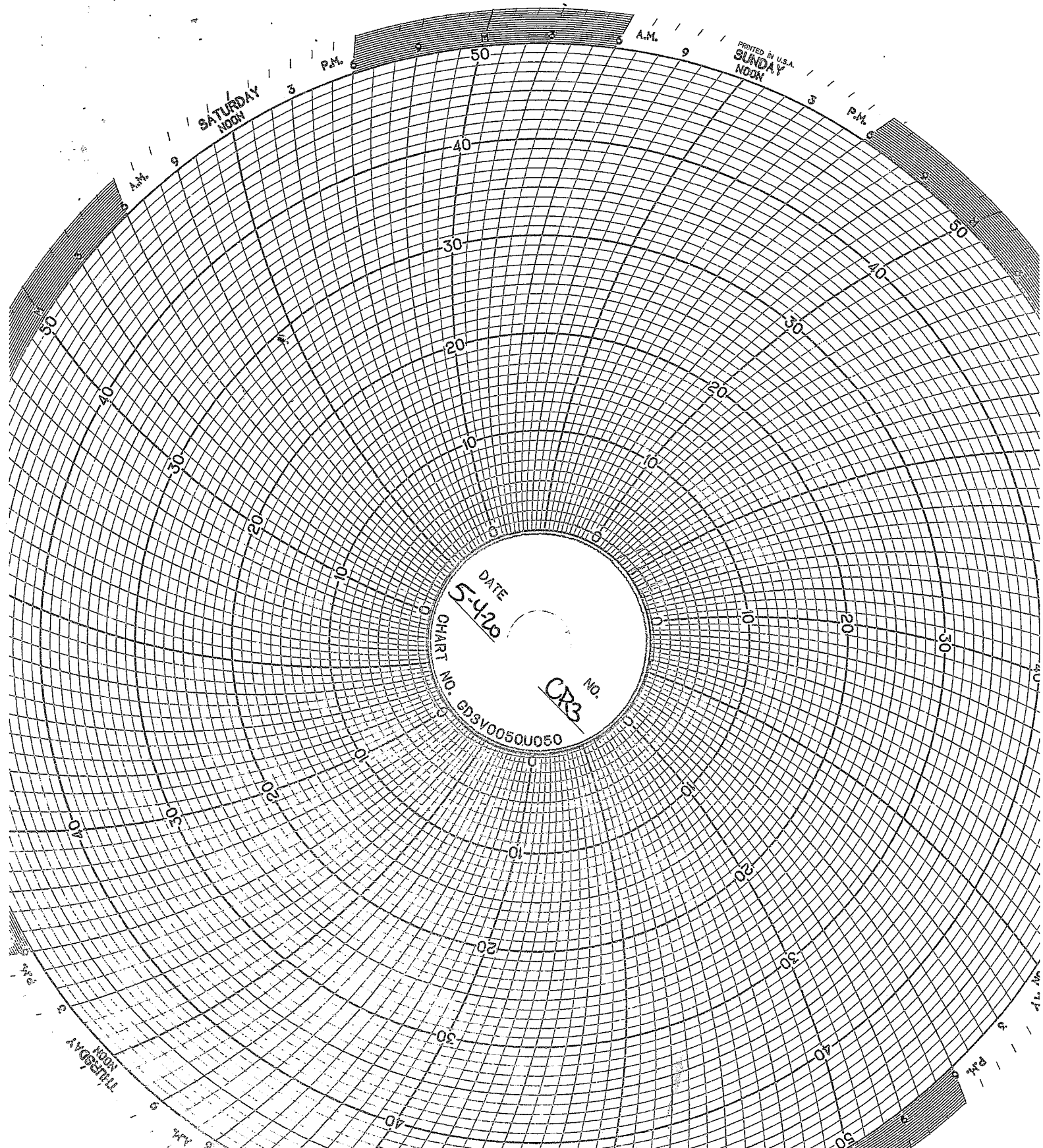
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DATE 6-1-70 NO. CR2  
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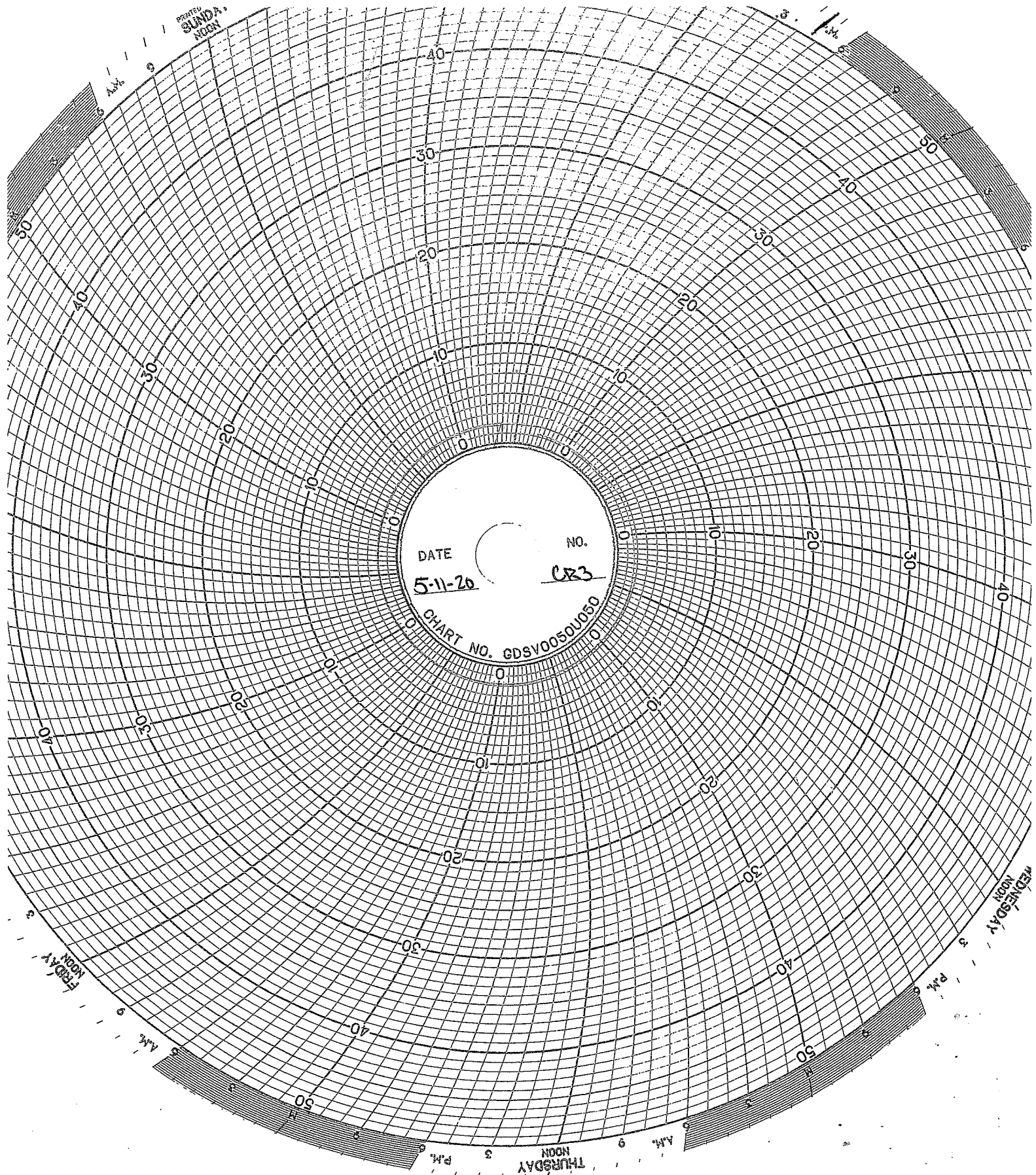
FRIDAY  
NOON

THURSDAY  
NOON





PRINTED  
SUNDA,  
NORR



DATE 5-11-20 NO. CR3

CHART NO. 0DSV0050020

FRIDAY  
NOON

FRIDAY  
MIDNIGHT

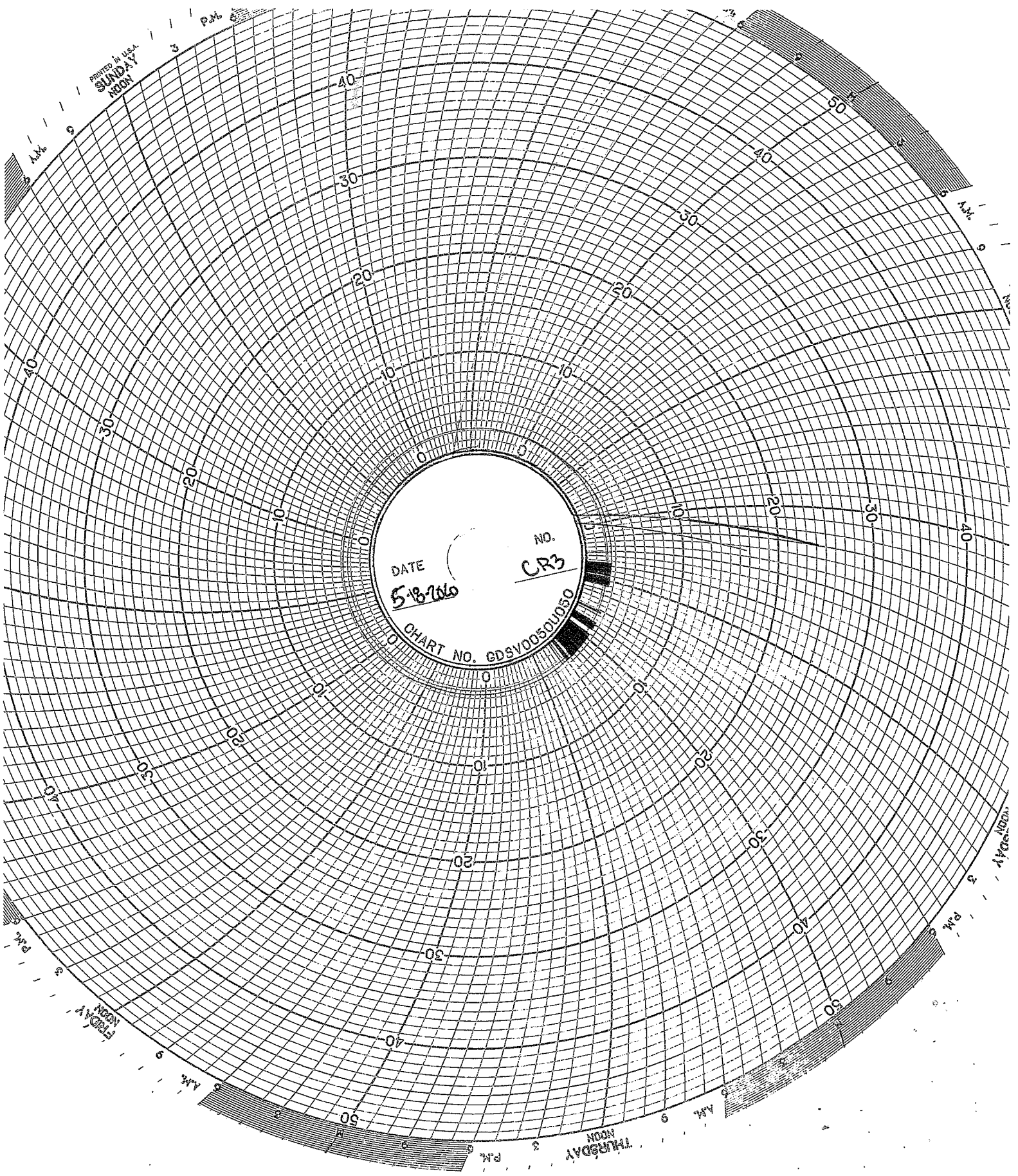
THURSDAY  
NOON

THURSDAY  
MIDNIGHT

WEDNESDAY  
NOON

WEDNESDAY  
MIDNIGHT

PRINTED IN U.S.A.  
**SUNDAY**  
NOON



DATE  
5-18-70

NO.  
CR3

CHART NO. GDSV0050UD50

PRINTED IN U.S.A.  
**MONDAY**  
NOON

PRINTED IN U.S.A.  
**THURSDAY**  
NOON

PRINTED IN U.S.A.  
**FRIDAY**  
NOON



## **CORROSION MONITORING**

# CORROSION MONITORING COUPONS BASELINE VISUAL DESCRIPTION

November 4, 2013

## Fiberglass

The fiberglass coupon is Red Box 2000 type and is 2-1/2 inches long by 1/2 inch wide and 1/4 inches thick. It is a dark orange (rust) in color with a glossy shine on one side a polished look on the opposite side and the cut edges look sanded.

## Hastelloy

The hastelloy coupon is identified as C276 with serial number 1. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

## Stainless Steel

The stainless steel coupon is identified as 316L with serial number C1562. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.



**COOROSION MONITORING PLAN**  
**COUPON SUMMARY**

| Date      | Hasteloy | Stainless Steel | Fiberglass |                          |
|-----------|----------|-----------------|------------|--------------------------|
| 1/16/2020 | 13.326 g | 10.840 g        | 18.033 g   | Well 1 workover new well |
| 2/6/2020  | 13.326 g | 10.836 g        | 18.034 g   |                          |
| 3/3/9/20  | 13.326 g | 10.842 g        | 18.034 g   |                          |
| 4/9/2020  | 13.328 g | 10.839 g        | 18.037 g   |                          |
| 5/12/2020 | 13.322 g | 10.830 g        | 18.035 g   |                          |



Progress Through Innovation, Technology and Customer Satisfaction

October 22, 2015

## ▪ TEST REPORT ▪

PN 125322

PO 00154

### PLASTICS TESTING DEPARTMENT

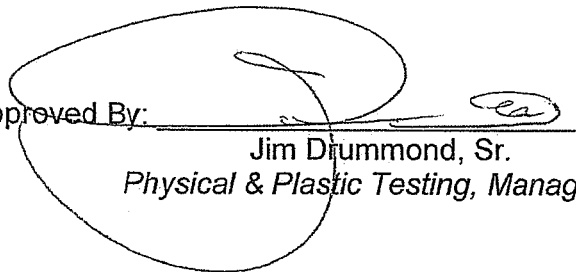
Prepared For:

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

Prepared By:

  
Melissa Martin  
Sr. Project Technician

Approved By:

  
Jim Drummond, Sr.  
Physical & Plastic Testing, Manager



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

ISO 9001:2008  
Registered

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





October 22, 2015

John Frost  
Environmental Geo-Technologies, LLC

Page 2 of 2  
PN 125322

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

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

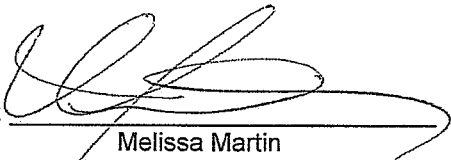
**BARCOL HARDNESS ASTM D 2583-13a**  
Instant Reading

**Results**

Barcol Hardness, Instant

96

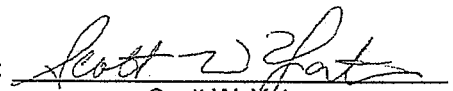
Prepared By:



Melissa Martin  
Sr. Project Technician

tc

Approved By:



Scott W. Yates  
Plastics Testing Assistant Manager



Progress Through Innovation, Technology and Customer Satisfaction

December 12, 2016

## TEST REPORT

PN 132662  
PO

### PLASTICS TESTING DEPARTMENT

Prepared For:

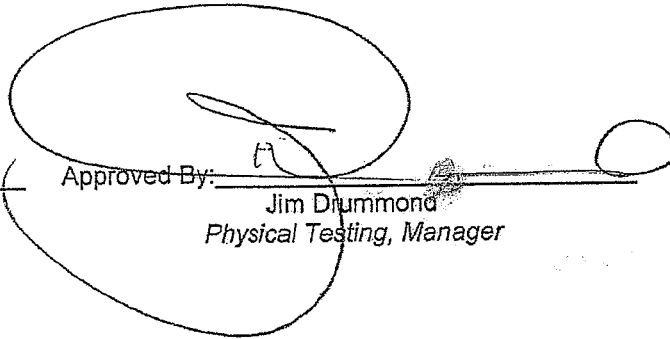
John Frost  
Environmental Geo-Technologies, LLC  
28470 Citrin Drive  
Romulus, MI 48174

Prepared By:



Melissa Martin  
Senior Project Technician

Approved By:



Jim Drummond  
Physical Testing, Manager

Rev 041916



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



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December 12, 2016

John Frost  
Environmental Geo-Technologies, LLC

Page 2 of 2  
PN 132662


**SUBJECT:** Barcol Hardness on one (1) material.

**RECEIVED:** One (1) small section identified as; Fiberglass Coupon.

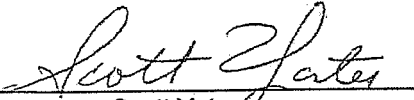
**BARCOL HARDNESS ASTM D 2583-13a**  
Instant Reading

RESULTS

Barcol Hardness, Instant                      96

Prepared By:   
Melissa Martin  
Senior Project Technician

wk

Approved By:   
Scott Yates  
Plastics Testing, Assistant Manager

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



Progress Through Innovation, Technology and Customer Satisfaction

December 13, 2017

## TEST REPORT

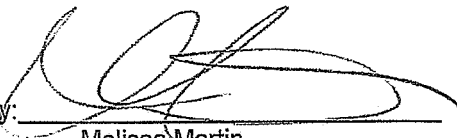
PN 139140  
PO#

### PLASTIC 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  
Rubber & Plastic Testing, Manager

Rev 041916



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December 13, 2017

John Frost  
Environmental Geo-Technologies, LLC

Page 2 of 2  
PN 139140

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

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

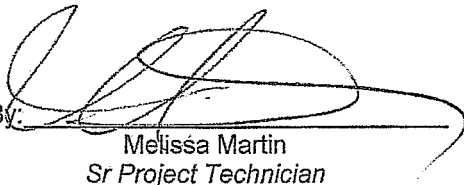
**BARCOL HARDNESS ASTM D 2583-13a**  
Instant Reading

**Results**

Barcol Hardness, Instant

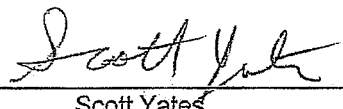
96

Prepared By:



Melissa Martin  
Sr Project Technician

Approved By:



Scott Yates  
Plastics Testing, Assistant Manager

sc

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

# GHESQUIERE PLASTIC TESTING, INC.

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

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

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

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

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

WORK PERFORMED:

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

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

RESULTS:

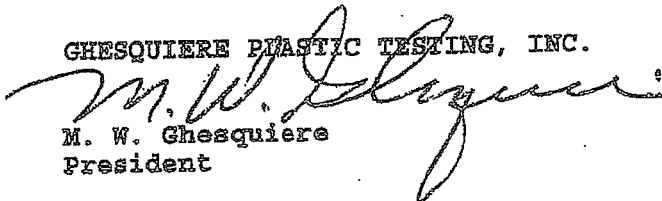
The following determination was made based upon the above test:

BARCOL HARDNESS

|            | <u>Hardness</u> |
|------------|-----------------|
| Specimen 1 | 90              |

Specimen is being returned with this report for further evaluation.

GHESQUIERE PLASTIC TESTING, INC.

  
M. W. Ghesquiere  
President

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

# Ghesquiere Plastic Testing, Inc.

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

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

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

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

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

WORK PERFORMED:

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

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

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

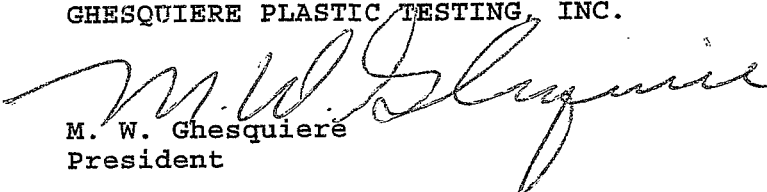
Hardness

Specimen 1

85

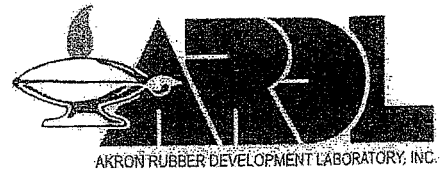
Specimen was returned to the client June 16, 2014.

Ghesquiere Plastic Testing, Inc.

  
M. W. Ghesquiere  
President

MWG/dm





October 2, 2014

**TEST REPORT**

**PN 118325**


*PO Attn: John Frost*

**PLASTICS TESTING DEPARTMENT**

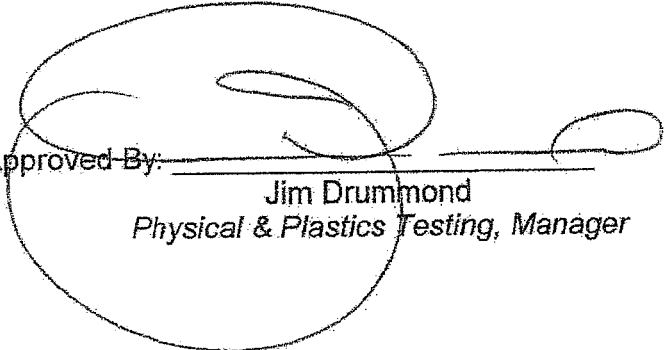
Prepared For:

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

Prepared By:

  
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

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

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



Testing. Development. Problem Solving.

October 2, 2014

John Frost  
Environmental Geo-Technologies, LLC

Page 2 of 2  
PN118325

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

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

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

**Results**

Barcol Hardness, Instant

97

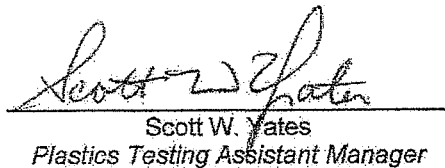
Prepared By:



Melisea Martin  
Sr. Project Technician

sf

Approved By:



Scott W. Yates  
Plastics Testing Assistant Manager

www.ardl.com


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

## **MAINTENANCE**

## **INJECTION FINGERPRINTS**


RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5.1.20    |
| Receiving ID#          | 105012001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JKF       |
| Sampled by             | JF        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | YES   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | > 140°F   |
| pH (S.U.)                     | 6.0   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 58°F  |
| Conductivity                  | 14.2  |
| % Solids                      | 1.9%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 0.2%  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

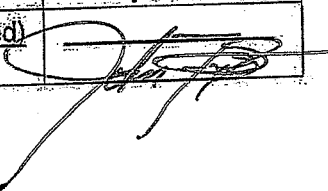
RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date:                  | 5.4.20    |
| Receiving ID#:         | T05042001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | BB        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 6.5   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.07  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 64°F  |
| Conductivity                  | 100.6 μS  |
| % Solids                      | 11%   |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 0.4   |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |


RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5.6.20    |
| Receiving ID#          | 105062001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JC        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 4.9   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.1   |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 61.0°F  |
| Conductivity                  | 69.6 mS   |
| % Solids                      | 17%   |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 1%  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

RECEIVING & APPROVAL FORM

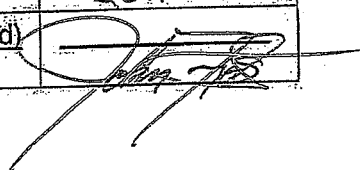
| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5.6.20    |
| Receiving ID#          | 105062002 |
| Manifest #             | Line      |
| Land Ban Cert Included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | DM        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            |   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | > 140°F   |
| pH (S.U.)                     | 2.1   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.1   |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 65°F  |
| Conductivity                  | 162 mS  |
| % Solids                      | 19%   |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 0.2%  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |




RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-7-2020  |
| Receiving ID#          | I05072001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            |           |
| Sampled by             | BB        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | X   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 2.0   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.09  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 63  |
| Conductivity                  | 146   |
| % Solids                      | 11%   |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | ≤0.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-7-2020  |
| Receiving ID#          | F05072002 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | DB        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 8.0   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.02  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 65°F  |
| Conductivity                  | 43.6 mS   |
| % Solids                      | 8%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 0.1   |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |


RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |   |
|------------------------|---|
| Date                   | 5-7-20  |
| Receiving ID#          | 105072003   |
| Manifest #             | Line  |
| Land Ban Cert included | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| EGT Approval #         |   |
| Generator              |   |
| Client                 |   |
| Transporter            |   |
| Time in                |   |
| Time out               |   |
| Received by            | JF  |
| Sampled by             | JM  |

| LAB INFORMATION               |  |
|-------------------------------|--|
| Compatible? (RT# )            |  |
| PCBs (ppm) (Oily Waste Only)? |  |
| TOC ppm (CC Waste Only)?      |  |
| Flash Point (F)               | >140°F   |
| pH (S.U.)                     | 7.2  |
| Cyanides? (mg/L)              |  |
| Sulfides? (ppm)?              |  |
| Specific Gravity              | 1.02   |
| Physical Description          |  |
| Stream Consistency            | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Oil in Sample?                | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Temperature (F)               | 67°F   |
| Conductivity                  | 54 mS  |
| % Solids                      | 7%   |
| Turbidity                     | Yes <input type="checkbox"/> No <input type="checkbox"/> |
| Color                         |  |
| TSS (%)                       | 0.1  |
| Radiation Screen (as needed)  |  |
| Lab Signature/Initials        | JM   |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date:                  | 5.8.20    |
| Receiving ID#          | 105082002 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | Jc        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               |   |
| pH (S.U.)                     | 7.1   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.03  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 67°F  |
| Conductivity                  | 39.9 μS   |
| % Solids                      | 6.4%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 0.2%  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

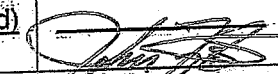
RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-11-20   |
| Receiving ID#          | IOS112601 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JF        |

| LAB INFORMATION               |        |
|-------------------------------|--------|
| Compatible? (RT# )            | Y      |
| PCBs (ppm) (Oily Waste Only)? |        |
| TOC ppm (CC Waste Only)?      |        |
| Flash Point (F)               | >140°F |
| pH (S.U.)                     | 7.8    |
| Cyanides? (mg/L)              |        |
| Sulfides? (ppm)?              |        |
| Specific Gravity              | 1.02   |
| Physical Description          |        |
| Stream Consistency            | Yes No |
| Oil in Sample?                | Yes No |
| Temperature (F)               | 65°F   |
| Conductivity                  | 48 μS  |
| % Solids                      | 4.7%   |
| Turbidity                     | Yes No |
| Color                         |        |
| TSS (%)                       | <0.1   |
| Radiation Screen (as needed)  |        |
| Lab Signature/Initials        | JF     |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 05/10/20  |
| Receiving ID#          | 065152002 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JAMAL C   |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            |   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 8.8   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 65°F  |
| Conductivity                  | 39 MS   |
| % Solids                      | 3.2%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | <0.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 05-12-20  |
| Receiving ID#          | 105122001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JKF       |
| Sampled by             | J         |

| LAB INFORMATION               |                    |
|-------------------------------|--------------------|
| Compatible? (RT# )            | Y                  |
| PCBs (ppm) (Oily Waste Only)? |                    |
| TOC ppm (CC Waste Only)?      |                    |
| Flash Point (F)               | >140°F             |
| pH (S.U.)                     | 8.9                |
| Cyanides? (mg/L)              |                    |
| Sulfides? (ppm)?              |                    |
| Specific Gravity              | 1.01               |
| Physical Description          |                    |
| Stream Consistency            | Yes No             |
| Oil in Sample?                | Yes No             |
| Temperature (F)               | 67°F               |
| Conductivity                  | 37.2               |
| % Solids                      | 2.4                |
| Turbidity                     | Yes No             |
| Color                         |                    |
| TSS (%)                       | <0.1               |
| Radiation Screen (as needed)  |                    |
| Lab Signature/Initials        | <i>[Signature]</i> |

RECEIVING & APPROVAL FORM


| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-12-20   |
| Receiving ID#          | IOS122002 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JF        |

| LAB INFORMATION               |          |
|-------------------------------|----------|
| Compatible? (RT# )            | Y        |
| PCBs (ppm) (Oily Waste Only)? |          |
| TOC ppm (CC Waste Only)?      |          |
| Flash Point (F)               | >140°F   |
| pH (S.U)                      | 9.1      |
| Cyanides? (mg/L)              |          |
| Sulfides? (ppm)?              |          |
| Specific Gravity              | 1.01     |
| Physical Description          |          |
| Stream Consistency            | Yes No   |
| Oil in Sample?                | Yes No   |
| Temperature (F)               | 58°F     |
| Conductivity                  | 63.36 uS |
| % Solids                      | 3.1%     |
| Turbidity                     | Yes No   |
| Color                         |          |
| TSS (%)                       | <0.1%    |
| Radiation Screen (as needed)  |          |
| Lab Signature/Initials        | JF       |



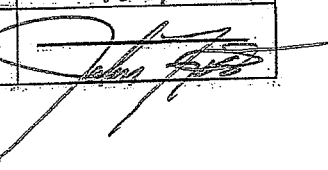
RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |            |
|------------------------|------------|
| Date                   | 05/15/2020 |
| Receiving ID#          | E 05152001 |
| Manifest #             | Line       |
| Land Ban Cert included | Yes No     |
| EGT Approval #         |            |
| Generator              |            |
| Client                 |            |
| Transporter            |            |
| Time in                |            |
| Time out               |            |
| Received by            | JF         |
| Sampled by             | Dallon     |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 3.2   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.0   |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 69°F  |
| Conductivity                  | 16.9  |
| % Solids                      | 0.5%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | <0.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

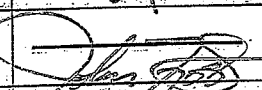
RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-18-2020 |
| Receiving ID#          | 105152002 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JAMAL C   |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 7.0   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 67°F  |
| Conductivity                  | 48mS  |
| % Solids                      | 2.4%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | <0.1%   |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

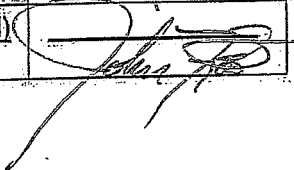
RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-18-2020 |
| Receiving ID#          | 705192001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | Jamal C   |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140F   |
| pH (S.U.)                     | 7.0   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 65°F  |
| Conductivity                  | 38µS  |
| % Solids                      | 1.6%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | <0.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |


RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date:                  | 5-19-2020 |
| Receiving ID#          | 205192001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | Samuel C  |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 6.6   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 69°F  |
| Conductivity                  | 42 mS   |
| % Solids                      | 2.7%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | <0.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |


RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date:                  | 5.21.20   |
| Receiving ID#          | IOS212001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JF        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | > 140 F   |
| pH (S.U.)                     | 7.0   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 67 F  |
| Conductivity                  | 42 mS   |
| % Solids                      | 2.3%  |
| Turbidity                     | (Yes) No  |
| Color                         |   |
| TSS (%)                       | < 0.1   |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

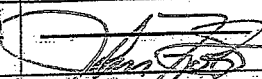
RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 5-26-20   |
| Receiving ID#          | I05262001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | JC        |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               | >140°F  |
| pH (S.U.)                     | 6.6   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 70°F  |
| Conductivity                  | 44 μS   |
| % Solids                      | 4.9%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | <0.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date:                  | 5-26-2020 |
| Receiving ID#:         | I05262002 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | Jamal C   |

| LAB INFORMATION               |   |
|-------------------------------|---|
| Compatible? (RT# )            | Y   |
| PCBs (ppm) (Oily Waste Only)? |   |
| TOC ppm (CC Waste Only)?      |   |
| Flash Point (F)               |   |
| pH (S.U.)                     | 8.5   |
| Cyanides? (mg/L)              |   |
| Sulfides? (ppm)?              |   |
| Specific Gravity              | 1.01  |
| Physical Description          |   |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 73°F  |
| Conductivity                  | 68 mS   |
| % Solids                      | 3.1%  |
| Turbidity                     | Yes No  |
| Color                         |   |
| TSS (%)                       | 20.1  |
| Radiation Screen (as needed)  |   |
| Lab Signature/Initials        |  |

RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date:                  | 5-26-2020 |
| Receiving ID#          | 105262003 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | <i>JF</i> |
| Sampled by             | Jamal C   |

| LAB INFORMATION               |                    |
|-------------------------------|--------------------|
| Compatible? (RT# )            | Y                  |
| PCBs (ppm) (Oily Waste Only)? |                    |
| TOC ppm (CC Waste Only)?      |                    |
| Flash Point (F)               |                    |
| pH (S.U.)                     | 6.9                |
| Cyanides? (mg/L)              |                    |
| Sulfides? (ppm)?              |                    |
| Specific Gravity              | 1.01               |
| Physical Description          |                    |
| Stream Consistency            | Yes No             |
| Oil in Sample?                | Yes No             |
| Temperature (F)               | 74°F               |
| Conductivity                  | 36 mS              |
| % Solids                      | 3%                 |
| Turbidity                     | Yes No             |
| Color                         |                    |
| TSS (%)                       | 20.1               |
| Radiation Screen (as needed)  |                    |
| Lab Signature/Initials        | <i>[Signature]</i> |



RECEIVING & APPROVAL FORM

| RECEIVING INFORMATION  |           |
|------------------------|-----------|
| Date                   | 05-29-20  |
| Receiving ID#          | I65292001 |
| Manifest #             | Line      |
| Land Ban Cert included | Yes No    |
| EGT Approval #         |           |
| Generator              |           |
| Client                 |           |
| Transporter            |           |
| Time in                |           |
| Time out               |           |
| Received by            | JF        |
| Sampled by             | J         |

| LAB INFORMATION               |         |
|-------------------------------|---------|
| Compatible? (RT# )            | Y       |
| PCBs (ppm) (Oily Waste Only)? |         |
| TOC ppm (CC Waste Only)?      |         |
| Flash Point (F)               | > 140°F |
| pH (S.U.)                     | 7.0     |
| Cyanides? (mg/L)              |         |
| Sulfides? (ppm)?              |         |
| Specific Gravity              | 1.01    |
| Physical Description          |         |
| Stream Consistency            | Yes No  |
| Oil in Sample?                | Yes No  |
| Temperature (F)               | 72°F    |
| Conductivity                  | 40 mS   |
| % Solids                      | 3.6%    |
| Turbidity                     | Yes No  |
| Color                         |         |
| TSS (%)                       | < 0.1   |
| Radiation Screen (as needed)  |         |
| Lab Signature/Initials        | John JF |

## **WASTE PROFILES**