EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(I)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Major:

Permit #: IN0000281

Permittee: U

Permittee Address:

DMR Due Date:

Title:

U.S. STEEL CORP - GARY WORKS

Facility:
Facility Location:

UNITED STATES STEEL CORP - GARY WORKS FACILITY

1 N BROADWAY MS 70 PO BOX 59

PO BOX 59 GARY, IN 46402 1 N BROADWAY MS 70

PO BOX 59 GARY, IN 46402

Permitted Feature:

015 External Outfall

Yes

Discharge: 01

FURNACE/SINTER STORM WATER RUN

Report Dates & Status

Monitoring Period: From 08/01/23 to 08/31/23

09/28/23

Status:

NetDMR Validated

Considerations for Form Completion

DISCH TO GCR INDUSTRIAL MAJOR GARY / LAKE COUNTY

Principal Executive Officer

First Name: Alexis

Piscatelli

Senior Director Environmental

Telephone:

219-888-5280

No Data Indicator (NODI)

Last Name:

| Form N | IODI: | | | | | | | | | | | | | | | | | | |
|--------|------------------------------------|---------------------|----------|---------------|-------------|-------------|---------------|---------------|------------------|-----------|-------------|--------------|-------------|-------------------|-----------|------------------|------------------------|---------------------------|-------------|
| | Parameter | Monitoring Location | Season # | # Param. NODI | | | | Quantity or I | Loading | | | | | Quality or Concer | tration | | # of E | Ex. Frequency of Analysis | Sample Type |
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier | 3 Value 3 | Units | | |
| | | | | | Sample | | | | | | | | | | = | 89.1 | 15 - deg F | 01/07 - Weekly | G6 - GRAB-6 |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | | Permit Req. | | | | | | | | | | | Req Mon DAILY MX | 15 - deg F 0 | 01/07 - Weekly | G6 - GRAB-6 |
| | . , | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | = | 7.3 | | | = | 7.7 | 12 - SU | 01/07 - Weekly | GR - GRAB |
| 00400 | На | 1 - Effluent Gross | 0 | | Permit Req. | | | | | | >= | 6.0 DAILY MN | l | | <= | 9.0 DAILY MX | 12 - SU 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | = : | 27.0 | = | 33.8 | 26 - lb/d | | | = | 1.8 | = | 2.2 | 19 - mg/L | 01/07 - Weekly | 24 - COMP24 |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | | Permit Req. | | Req Mon MO AV | G | Req Mon DAILY MX | 26 - Ib/d | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L ₀ | 01/07 - Weekly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | < | 1.4 | < | 1.8 | 19 - mg/L | 01/07 - Weekly | 3R - 3GR24H |
| 00552 | Oil and grease, hexane extr method | 1 - Effluent Gross | 0 | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L 0 | 01/07 - Weekly | 3R - 3GR24H |
| 00002 | Grana grana, nakana aka mana | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | = | 3.7 | = | 4.61 | 26 - lb/d | | | = | 0.25 | = | 0.3 | 19 - mg/L | 01/07 - Weekly | 24 - COMP24 |
| 00610 | Nitrogen, ammonia total [as N] | 1 - Effluent Gross | 1 | | Permit Req. | <= | 21.0 MO AVG | <= | 40.0 DAILY MX | 26 - Ib/d | | | <= | 1.2 MO AVG | <= | 2.5 DAILY MX | 19 - mg/L ₀ | 01/07 - Weekly | 24 - COMP24 |
| | Timegen, animema tetal [ae 11] | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | < | 0.005 | < | 0.006 | 26 - lb/d | | | < | 0.36 | < | 0.36 | 28 - ug/L | 01/07 - Weekly | 3R - 3GR24H |
| 00717 | Cyanide, free [as free] | 1 - Effluent Gross | 1 | | Permit Req. | <= | 0.15 MO AVG | <= | 0.32 DAILY MX | 26 - Ib/d | | | <= | 8.8 MO AVG | <= | 18.0 DAILY MX | 28 - ug/L 0 | 01/07 - Weekly | 3R - 3GR24H |
| | ,, [| | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | < | 0.01 | = | 0.02 | 26 - Ib/d | | | < | 1.0 | = | | 28 - ug/L | 01/07 - Weekly | 24 - COMP24 |
| 00981 | Selenium, total recoverable | 1 - Effluent Gross | 0 | | Permit Req. | <= | 0.072 MO AVG | <= | 0.14 DAILY MX | 26 - Ib/d | | | <= | 4.1 MO AVG | <= | 8.2 DAILY MX | 28 - ug/L 0 | 01/07 - Weekly | 24 - COMP24 |
| | , | | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample = | = | 0.06 | = | 0.08 | 26 - Ib/d | | | = | 3.8 | = | 5.0 | 28 - ug/L | 01/07 - Weekly | 24 - COMP24 |
| 01004 | Zinc, total recoverable | 1 - Effluent Gross | 0 | | Permit Req. | <= | 1.4 MO AVG | <= | 2.8 DAILY MX | 26 - Ib/d | | | <= | 81.0 MO AVG | <= | 160.0 DAILY MX | 28 - ug/L | 01/07 - Weekly | 24 - COMP24 |
| 01034 | Zino, total recoverable | 1 - Ellidelli Gloss | U | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | < | 0.005 | = | 0.009 | 26 - Ib/d | | | < | 0.35 | = | 0.6 | 28 - ug/L | 01/07 - Weekly | 24 - COMP24 |
| 01114 | Lead, total recoverable | 1 - Effluent Gross | 0 | | Permit Req. | <= | 0.15 MO AVG | <= | 0.3 DAILY MX | 26 - Ib/d | | | <= | 8.4 MO AVG | <= | 17.0 DAILY MX | 28 - ug/L | 01/07 - Weekly | 24 - COMP24 |
| 01114 | | . Emagn Gross | | | Value NODI | | | | | | | | | | | | | | |
| | | | | | Sample | < | 0.031 | = | 0.034 | 26 - Ib/d | | | < | 2.1 | = | 2.2 | 28 - ug/L | 01/07 - Weekly | 24 - COMP24 |
| | | | | | | | | | | | | | | | | | | | |

| 32730 | Phenolics, total recoverable | 1 - Effluent Gross | 0 | Permit Req. | Req Mon MO AVG | G Req | Mon DAILY MX | 26 - lb/d | | Req Mon MO AVG | i | Req Mon DAILY MX | 28 - ug/L | 0 | 01/07 - Weekly | 24 - COMP24 |
|-------|--|--------------------|---|--------------------|----------------|---------|--------------|--------------|----|----------------|----|------------------|-----------|---|-----------------------------|-------------|
| | | | | Value NODI | | | | | | | | | | | | |
| | | | | Sample < | 0.0003 | < 0.00 | 004 | 26 - lb/d | < | 0.023 | < | 0.024 | 28 - ug/L | | 02/07 - Twice Every Week | 24 - COMP24 |
| 34247 | Benzo[a]pyrene | 1 - Effluent Gross | 0 | Permit Req. <= | 0.0017 MO AVG | <= 0.00 | 04 DAILY MX | 26 - lb/d | <= | 0.095 MO AVG | <= | 0.23 DAILY MX | 28 - ug/L | 0 | 02/07 - Twice Every Week | 24 - COMP24 |
| | | | | Value NODI | | | | | | | | | | | | |
| | | | | Sample = | 1.76 | = 1.85 | 5 | 03 - MGD | | | | | | | 01/01 - Daily | TM - TOTALZ |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | Permit Req. | Req Mon MO AVG | G Req | Mon DAILY MX | 03 - MGD | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | , | | | Value NODI | | | | | | | | | | | | |
| | | | | Sample = | 0.0 | < 0.31 | l | 26 - lb/d | = | 0.0 | < | 20.0 | 28 - ug/L | | 01/01 - Daily | GR - GRAB |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | Permit Req. <= | 0.14 MO AVG | <= 1.1 | DAILY MX | 26 - lb/d | <= | 8.0 MO AVG | <= | 60.0 DAILY MX | 28 - ug/L | 0 | 01/01 - Daily | GR - GRAB |
| | | | | Value NODI | | | | | | | | | | | | |
| | | | | Sample | | | | | = | 2.5 | = | 0.47 | 3M - ng/L | | 01/60 - Once Every 2 Months | GR - GRAB |
| 71901 | Mercury, total recoverable | 1 - Effluent Gross | 1 | Permit Req. | | | | | <= | 14.0 ANNL AVG | | Req Mon DAILY MX | 3M - ng/L | 0 | 01/60 - Once Every 2 Months | GR - GRAB |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | Value NODI | | | | | | | | | | | | |
| | | | | Sample = | 70.24 | = 120. | .51 | 26 - lb/d | = | 4.7 | = | 7.9 | 19 - mg/L | | 01/07 - Weekly | 24 - COMP24 |
| 80082 | BOD, carbonaceous [5 day, 20 C] | 1 - Effluent Gross | 0 | Permit Req. | Req Mon MO AVG | G Req | Mon DAILY MX | 26 - lb/d | | Req Mon MO AVG | 1 | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 24 - COMP24 |
| | | | | Value NODI | | | | | | | | | | | | |
| | | | | Sample | | = 54.5 | 57 | 80 - Mgal/mo | | | | | | | 01/30 - Monthly | RT - RCOTOT |
| 82220 | Flow, total | 1 - Effluent Gross | 0 | Permit Req. | | Req | Mon MO TOTAL | 80 - Mgal/mo | | | | | | 0 | 01/30 - Monthly | RT - RCOTOT |
| | | | | Value NODI | | | | | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

| Name | Туре | Size |
|---|------|----------|
| IN0000281_015A_AnnualRollingAverage_2023_08.pdf | pdf | 356322.0 |
| IN0000281_015A_MMR_2023_08.pdf | pdf | 340329.0 |

Report Last Saved By

U.S. STEEL CORP - GARY WORKS

User: amanda.grzybowski@alsglobal.com

Name: Amanda Grzybowski

E-Mail: amanda.grzybowski@alsglobal.com
Date/Time: 2023-11-03 10:56 (Time Zone: -04:00)

Report Last Signed By

User: JEHANNING
Name: Joseph Hanning
E-Mail: jehanning@uss.com

Date/Time: 2024-06-26 16:43 (Time Zone: -04:00)



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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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5

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

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PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

3

P.O. Box 6015

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Indianapolis, Indiana 46206-6015

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| | PERMIT NUMBER | | | OUTFA | LL NO. | MC | O. YR | . | |
|-------------------------|------------------|--------|--------|--------|--------|-------|--------|--------------|--------------|
| EFFLUENT CHARA | CTERISTICS | FLOW | рН | TS | SS | Oil 8 | Grease | Nitrogen, Ar | nmonia Total |
| EFFLUENT PARAM | IETER NUMBER | Q50050 | C00400 | Q00530 | C00530 | ***** | C00552 | Q00610 | C00610 |
| SAMPLE TYPE | Permit Condition | RCOTOT | Grab | Comp | Comp | ***** | Grab-3 | Comp | Comp |
| SAMPLE ITPE | Monitored | RCOTOT | Grab | Comp | Comp | ***** | Grab-3 | Comp | Comp |
| FREQUENCY | Permit Condition | Daily | 1/7 | 1/7 | 1/7 | ***** | 1/7 | 1/7 | 1/7 |
| FREQUENCT | Monitored | Daily | 1/7 | 1/7 | 1/7 | ***** | 1/7 | 1/7 | 1/7 |
| FFFLUENT | Permit Minimum | ***** | 6.0 | ***** | ***** | ***** | ***** | ***** | ***** |
| EFFLUENT LIMITATIONS | Permit Average | Report | ***** | Report | Report | ***** | Report | 21 | 1.2 |
| LIMITATIONS | Permit Maximum | Report | 9.0 | Report | Report | ***** | Report | 40 | 2.5 |
| | UNITS = | MGD | S.U. | LB/DAY | MG/L | | MG/L | LB/DAY | MG/L |
| | 1 | 1.7 | | | | | | | |
| | 2 | 1.8 | | | | | | | |
| | 3 | 1.7 | | | | | | | |
| | 4 | 1.7 | | | | | | | |
| | 5 | 1.8 | | | | | | | |
| | 6 | 1.8 | | | | | | | |
| | 7 | 1.8 | 7.3 | 22.9 | 1.5 | | < 1.3 | 4.27 | 0.28 |
| | 8 | 1.8 | | | | | | | |
| | 9 | 1.8 | | | | | | | |
| | 10 | 1.8 | | | | | | | |
| | 11 | 1.8 | | | | | | | |
| | 12 | 1.7 | | | | | | | |
| | 13 | 1.7 | | | | | | | |
| | 14 | 1.8 | 7.3 | 33.8 | 2.2 | | < 1.8 | 4.61 | 0.30 |
| | 15 | 1.8 | | | | | | | |
| | 16 | 1.8 | | | | | | | |
| | 17 | 1.8 | | | | | | | |
| | 18 | 1.8 | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | 1.7 | | | | | | | |
| | 21 | 1.8 | 7.5 | 30.3 | 2.0 | | < 1.3 | 4.24 | 0.28 |
| | 22 | 1.8 | | | | | | | |
| | 23 | 1.8 | | | | | | | |
| | 24 | 1.7 | | | | | | | |
| | 25 | 1.7 | | | | | | | |
| | 26 | 1.7 | | | | | | | |
| | 27 | 1.6 | | | | i | | | |
| | 28 | | 7.7 | 21.0 | 1.5 | | < 1.3 | 1.68 | 0.12 |
| | 29 | | | | | | | | |
| | 30 | | | | | | | | |
| | 31 | 1.7 | | | | | | | |
| MONTHLY AVERAGE | | 1.8 | | 27.0 | 1.8 | | < 1.4 | 3.70 | 0.25 |
| HIGHEST VALUE | | 1.8 | 7.7 | 33.8 | 2.2 | | < 1.8 | 4.61 | 0.30 |
| LOWEST VALUE | | 1.6 | 7.3 | 21.0 | 1.5 | | < 1.3 | 1.68 | 0.12 |
| | | | | | | | 1 | | |

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 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.

0

54.57

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

TOTAL FLOW

| Brandon Miller | 9/28/2023 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Brandon Miller | |
| 219-888-3369 | WW020987 |
| PHONE NUMBER | CERTIFICATION NO. |
| Alexis Piscatelli | 9/28/2023 |

Alexis Piscatelli
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

DATE

Page 13 of 84

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Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

1

OUTFALL NO.

5

U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

0

PERMIT NUMBER

2

20 21

29 30 31

0.030

0.028

0.031

0.034

0.028

0

2.0

2.0

2.2

2.0

8

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FACILITY NAME AND ADDRESS:

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| EFFLUENT CHARA | CTERISTICS | Phenolic | s, Total | Cyanid | le, Free | Lead | l, Total | Zinc | , Total |
|----------------|------------------|----------|----------|----------|----------|---------|----------|--------|---------|
| EFFLUENT PARAM | ETER NUMBER | Q00680 | C00680 | Q00718 | C00718 | Q01051 | C01051 | Q01094 | C01094 |
| SAMPLE TYPE | Permit Condition | Grab-3 | Grab-3 | Grab-3 | Grab-3 | Comp | Comp | Comp | Comp |
| SAIVIPLE ITPE | Monitored | Grab-3 | Grab-3 | Grab-3 | Grab-3 | Comp | Comp | Comp | Comp |
| FREQUENCY | Permit Condition | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 |
| FREQUENCT | Monitored | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 | 1/7 |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** |
| LIMITATIONS | Permit Average | Report | Report | 0.15 | 8.8 | Report | Report | Report | Report |
| LIMITATIONS | Permit Maximum | Report | Report | 0.32 | 18 | Report | Report | Report | Report |
| UNITS | 8 | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L | LB/DAY | UG/L |
| | 1 | | | | | | | | |
| | 2 | | | | | | | | |
| | 3 | | | | | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | 0.034 | < 2.2 | < 0.0055 | < 0.36 | < 0.002 | < 0.15 | 0.047 | 3.1 |
| | 8 | | | | | | | | |
| | 9 | | | | | | | | |
| | 10 | | | | | | | | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | | < 2.0 | < 0.0055 | < 0.36 | 0.009 | 0.60 | 0.077 | 5.0 |
| | 15 | | | | | | | | |
| | 16 | | | | | | | | - |
| | 17 | | | | | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |

0.0054

0.005

0.0054

0.0055

0.005

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 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.

MONTHLY AVERAGE

NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED

HIGHEST VALUE

LOWEST VALUE

Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

0.36

0.36

0.36

0.36

0.36 <

0.007

0.003

0.005

0.009

0.002

| Brandon Miller | 9/28/2023 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Brandon Miller | |
| 219-888-3369 | WW020987 |
| PHONE NUMBER | CERTIFICATION NO. |
| | |
| Alexia Disectalli | 0/00/0000 |

(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control

DATE

Page 14 of 84

0.071

0.032

0.057

0.077

0.032

0

5.0

2.3

0

0.60

0.15



Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

| | Revision Pending Approval - |
|----------------------------|-----------------------------|
| FACILITY NAME AND ADDRESS: | |
| U.S. Steel Corporation | |
| One North Broadway | |
| Mail Sta. 70 | |
| Gary, IN 46402 | |

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Mail To: Indiana Dept. of Environmental Management

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

| ı | N | 0 | 0 | 0 | 0 | 2 | 8 | |
|---------------|---|---|---|---|---|---|---|--|
| PERMIT NUMBER | | | | | | | | |

| EFFLUENT CHARAC | CTERISTICS | Mercur | y, Total | Chlorine, Tota | Residual | Temperature | , Final | BOD, Carbonaceous | | |
|-------------------|------------------|------------|------------|----------------|----------|-------------|------------|-------------------|---|--|
| EFFLUENT PARAME | ETER NUMBER | Q71901 | C71901 | Q50060 | C50060 | Q00011 | C00011 | Q80082 | C80082 | |
| CAMPLE TYPE | Permit Condition | Grab | Grab | Grab | Grab | ***** | Grab | Comp | Comp | |
| SAMPLE TYPE | Monitored | Grab | Grab | Grab | Grab | ***** | Continuous | Comp | Comp | |
| EDEOUENOV. | Permit Condition | Bi-Monthly | Bi-Monthly | Daily | Daily | ***** | 1/7 | 1/7 | 1/7 | |
| FREQUENCY | Monitored | Bi-Monthly | Bi-Monthly | Daily | Daily | ***** | Continuous | 1/7 | 1/7 | |
| | Permit Minimum | ***** | ***** | ***** | ***** | ***** | ***** | ***** | ***** | |
| EFFLUENT | Permit Average | Report | Report | 0.11 | 8 | ***** | ***** | Report | Report | |
| LIMITATIONS | Permit Maximum | Report | Report | 0.85 | 60 | ***** | Report | Report | Report | |
| UNITS | | LB/DAY | NG/L | LB/DAY | UG/L | | °F | LB/DAY | MG/L | |
| | 1 | | | < 0.29 | < 20 | | 87.0 | | | |
| | 2 | | | < 0.29 | | | 83.6 | | | |
| | 3 | | | < 0.29 | < 20 | | 82.8 | | | |
| | 4 | | | < 0.28 | | | 85.6 | | | |
| | 5 | | | < 0.30 | | | 87.9 | | | |
| | 6 | | | < 0.30 | | | 86.9 | | | |
| | 7 | | | < 0.31 | | | 86.1 | 120.5 | 7.9 | |
| | 8 | | | < 0.30 | | | 84.8 | 1210 | | |
| | 9 | | | < 0.31 | | | 84.9 | | | |
| | 10 | | | < 0.30 | | | 83.6 | | | |
| | 11 | | | < 0.30 | < 20 | | 84.3 | | | |
| | 12 | | | < 0.28 | | | 83.6 | | | |
| | 13 | | | < 0.28 | < 20 | | 85.8 | | | |
| | 14 | | | < 0.31 | | | 85.8 | 47.7 | 3.1 | |
| | 15 | | | < 0.30 | | | 84.8 | | • | |
| | 16 | | 0.47 | < 0.30 | < 20 | | 85.4 | | | |
| | 17 | | 0 | < 0.31 | | | 81.6 | | | |
| | 18 | | | < 0.30 | | | 80.6 | | | |
| | 19 | | | < 0.30 | | | 82.9 | | | |
| | 20 | | | < 0.29 | | | 83.4 | | | |
| | 21 | | | < 0.30 | < 20 | | 83.9 | 84.8 | 5.6 | |
| | 22 | | | < 0.30 | | | 85.5 | 00 | 0.0 | |
| | 23 | | | < 0.30 | | | 85.5 | | | |
| | 24 | | | < 0.29 | | | 82.4 | | | |
| | 25 | | | < 0.28 | | | 86.0 | | | |
| | 26 | | | < 0.28 | < 20 | | 87.9 | | | |
| | 27 | | | < 0.27 | | | 89.1 | | | |
| | 28 | | | < 0.28 | | | 88.1 | 28.0 | < 2.0 | |
| | 29 | | | < 0.29 | | | 86.6 | 20.0 | 2.0 | |
| | 30 | | | < 0.29 | | | 86.2 | | | |
| | 31 | | | < 0.29 | | | 86.9 | | | |
| MONTHLY AVERAG | | 0.00001 | 0.47 | 0.00 | 0.00 | | 85.1 | < 70.2 | < 4.7 | |
| HIGHEST VALUE | | 0.00001 | 0.47 | | | | 89.1 | 120.5 | 7.9 | |
| LOWEST VALUE | | 0.00001 | 0.47 | < 0.27 | < 20 | | 80.6 | < 28.0 | | |
| NO. OF TIMES WEE | KLY OR DAII Y | 0.00001 | 3.11 | 3.21 | | | - 55.5 | 20.0 | 2.0 | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | | , , | | | | , | |

Highlighted Monthly Averages are LOQ based calculations. Highlighted daily values are <LOQ & >= LOD, and are not quantifiable.

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 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.

| Brandon Miller | 9/28/2023 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Brandon Miller | |
| 219-888-3369 | WW020987 |
| PHONE NUMBER | CERTIFICATION NO. |

Alexis Piscatelli 9/28/2023
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) DATE

Joseph E. Hanning, Manager Environmental Control

Page 15 of 84



Indiana Discharge Monitoring Report Form 30530 MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS: U.S. Steel Corporation One North Broadway Mail Sta. 70 Gary, IN 46402

| N 0 0 0 0 2 |

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH. THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.

Indiana Dept. of Environmental Management Mail To:

Office of Water Quality / Data Management Section

P.O. Box 6015

Indianapolis, Indiana 46206-6015

0 8 2 3

| | PERMIT NUMBER | | | OUTFA | LL NO. | MC |). YF | ₹. | |
|-------------------------------|---------------------------|------------------|---------------|----------------|----------------|---------------|-------------|----------|----------|
| EFFLUENT CHARA | | Seleniun | n, Total | Benzo-a | a-Pyrene | | | | |
| EFFLUENT PARAME | ETER NUMBER | Q00981 | C00981 | Q324247 | C324247 | | | | |
| SAMPLE TYPE | Permit Condition | Comp | Comp | Comp | Comp | | | | |
| SAIVIFEE TITE | Monitored | Comp | Comp | Comp | Comp | | | | |
| FREQUENCY | Permit Condition | 1/7 | 1/7 | 2/7 | 2/7 | | | | |
| TINEQUENCT | Monitored | 1/7 | 1/7 | 2/7 | 2/7 | | | | |
| EFFLUENT | Permit Minimum | ***** | ***** | ***** | ***** | | | | |
| LIMITATIONS | Permit Average | 0.072 | 4.1 | 0.0017 | 0.095 | | | | |
| LIMITATIONO | Permit Maximum | 0.14 | 8.2 | 0.0040 | 0.23 | | | | |
| UNITS | 3 | LB/DAY | UG/L | LB/DAY | UG/L | | | | |
| | 1 | | | | | | | | |
| | 2 | | | 0.0003 | < 0.023 | | | | |
| | 3 | | | | | | | | |
| | 4 | | | | | | | | |
| | 5 | | | | | | | | |
| | 6 | | | | | | | | |
| | 7 | 0.017 | 1.1 | 0.0003 | < 0.022 | | | | |
| | 8 | | | | | | | | |
| | 9 | | | 0.0003 | < 0.022 | | | | |
| | 10 | | | | | | | | |
| | 11 | | | | | | | | |
| | 12 | | | | | | | | |
| | 13 | | | | | | | | |
| | 14 | < 0.013 | < 0.85 | 0.0003 | < 0.022 | | | | |
| | 15 | | | | | | | | |
| | 16 | | | 0.0004 | < 0.024 | | | | |
| | 17 | | | | | | | | |
| | 18 | | | | | | | | |
| | 19 | | | | | | | | |
| | 20 | | | | | | | | |
| | 21 | 0.018 | 1.2 | 0.0003 | < 0.023 | | | | |
| | 22 | | | | | | | | |
| | 23 | | | 0.0003 | < 0.023 | | ļ | 1 | |
| | 24 | | | | | | | 1 | |
| | 25 | | | | | | | | |
| | 26 27 | | | | | | | | |
| | | 1 0.040 | 1 0.05 | 0.0000 | 1 0.000 | | | | |
| | 28 | < 0.012 | < 0.85 | 0.0003 | < 0.023 | | | + | |
| | 29 | | | 0.0000 | 0.000 | | - | + | |
| <u> </u> | 30 | | | 0.0003 | < 0.023 | | <u> </u> | + | - |
| MONTHLY AVERAG | 31 | 0.045 | < 1.0 | < 0.0003 | < 0.0228 | | | | |
| MONTHLY AVERAGE HIGHEST VALUE | C | < 0.015 0.018 | | | | | | | |
| LOWEST VALUE | | < 0.018 | 1.2 < 0.85 | | | | | | |
| NO. OF TIMES WEE | KI A UB DVII A | 0.012 | - 0.85 | 0.0003 | 0.022 | | | | |
| EFFL. LIMITATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Averages are LOQ bas | | | | | | | <u> </u> | <u> </u> |
| | law that this document ar | | | any values are | 10Q Q 7 - LOD, | and are not q | dantinubio. | | |

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 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.

| Brandon Miller | 9/28/2023 |
|-----------------------------------|-------------------|
| (SIGNATURE OF CERTIFIED OPERATOR) | DATE |
| Brandon Miller | |
| 219-888-3369 | WW020987 |
| PHONE NUMBER | CERTIFICATION NO. |

Alexis Piscatelli 9/28/2023 (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER) Joseph E. Hanning, Manager Environmental Control Page 16 of 84

| Annual Rolling Average | | Facility Name | | Notes: 1) If a field duplicate was (| | | | | |
|------------------------|-------------------|---------------------------|------------|---|-----------|----------|--------------------------------|----------|------------------|
| | | US Steel Gary Outfall 015 | | | | | | | |
| | Permit Number | Ana | alyte | units | Currer | nt Year | 2) If invalid is listed, the r | | s listed, the re |
| | IN0000281 | Effluent | Mercury | ng/l | 20 | 23 | | | |
| Previous Year | | | | _ | _ | | _ | | |
| | 2022 | | | | | | | | |
| | | Effluent | | Effluent | | Effluent | | Effluent | |
| | | Mercury | Date of | Mercury | Date of | Mercury | Date of | Mercury | Date of |
| Month | Number of Samples | ng/l | sample | ng/l | sample | ng/l | sample | ng/l | sample |
| January | 0 | | | | | | | | |
| February | 3 | 11 | 2/14/2022 | 14 | 2/21/2022 | 13 | 2/28/2022 | | |
| March | 0 | | | | | | | | |
| April | 1 | 6.4 | 4/14/2022 | | | | | | |
| May | 0 | | | | | | | | |
| June | 1 | 11.0 | 6/16/2022 | | | | | | |
| July | 0 | | | | | | | | |
| August | 1 | 1.9 | 8/17/2022 | | | | | | |
| September | 0 | | | | | | | | |
| October | 1 | 1.1 | 10/27/2022 | | | | | | |
| November | 0 | | | | | | | | |
| December | 1 | 0.71 | 12/15/2022 | | | | | | |
| (| Current Year | | | | | | | | |
| | 2023 | | | | | | | | |
| | | Effluent | | Effluent | | Effluent | | Effluent | |
| | | Mercury | Date of | Mercury | Date of | Mercury | Date of | Mercury | Date of |
| Month | Number of Samples | ng/l | sample | ng/l | sample | ng/l | sample | ng/l | sample |
| January | 0 | | | | | | | | |
| February | 1 | 8.5 | 2/8/2023 | | | | | | |
| March | 0 | | | | | | | | |

| April | 1 | 1.8 | 4/13/2023 | | | |
|-----------|---|------|-----------|--|--|--|
| May | 0 | | | | | |
| June | 1 | 0.78 | 6/27/2023 | | | |
| July | 0 | | | | | |
| August | 1 | 0.47 | 8/16/2023 | | | |
| September | 0 | | | | | |
| October | 0 | | | | | |
| November | 0 | | | | | |
| December | 0 | | | | | |

collected, values are the average of the sample and field duplicate result. Pason is given as a cell comment.

| Annual Rolling Average | |
|------------------------|----------------------|
| Effluent Mercury | Data Entered By |
| | 2 4.54 2 |
| | Ramboll (Consultant) |
| | |
| | Ramboll (Consultant) |

| Annual Rolling Average | |
|------------------------|----------------------|
| Effluent Mercury | Data Entered By |
| | |
| | Ramboll (Consultant) |
| | |

| | Ramboll (Consultant) | | |
|------|----------------------|--|--|
| | | | |
| 2.5 | Ramboll (Consultant) | | |
| | | | |
| 2.22 | Ramboll (Consultant) | | |
| | | | |
| | | | |
| | | | |
| | | | |