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Tishie Woodwell
Vice President
Environmental Affairs

VIA REGULAR AND ELECTRONIC MAIL

June 15, 2020

Ms. Tamara Ohl
U. S. Environmental Protection Agency – Region V
77 West Jackson Blvd (MC-LU-16J)
Chicago, IL 60604

**RE: Monthly Progress Report
RCRA Corrective Action
U. S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

In accordance with Section XV, Paragraph 1 and Attachment II of the RCRA 3008(h) Administrative Order on Consent (Order), enclosed is the Monthly Progress **Report No. 257** for the project period of **May 1** through **May 31, 2020**. If you should have any comments or require additional information, please call Kevin Stetter at (412) 433-4070.

I certify that this Monthly Report was prepared under my direction or supervision in accordance with a system designed to evaluate the information submitted. I certify that the information contained in or accompanying this submittal is true, accurate, and complete. As to those identified portion(s) of this submittal for which I cannot personally verify the accuracy, I certify that this submittal and all attachments were prepared in accordance with procedures designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, or the immediate supervisor of such person(s), 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 violators.

Sincerely,

A handwritten signature in blue ink that reads 'Tishie Woodwell'.

Tishie Woodwell

Enclosures

cc: M. R. Rupnow
D. M. Shelton
K. T. Stetter
R. Marshall (IDEM)

MONTHLY PROGRESS REPORT NO. 257

May 1 through May 31

U. S. STEEL GARY WORKS

GARY, INDIANA

RCRA ADMINISTRATIVE ORDER ON CONSENT

IND 005 444 062

This Monthly Progress Report (Report) is submitted in compliance with Section XV, Paragraph 1 and Attachment II of the above referenced Consent Order. As specified in the Consent Order, progress reports will be submitted monthly. This report includes the period from May 1, 2020 through May 31, 2020. The next report (July 15, 2020) will include the period from June 1, 2020 through June 30, 2020.

A. ACTIVITIES INITIATED, UNDERTAKEN AND COMPLETED

- **Agency Involvement**
 - None.
- **Public Involvement**
 - None.
- **Miscellaneous**
 - Submitted RCRA monthly April progress report on May 15.

- **Facility-Wide RCRA Facility Investigation (RFI)**
 - Submitted HWD-2 1st quarter report to IDEM on May 4.
 - Submitted ISM 1st quarter report to USEPA on May 5.
 - Submitted HWD-5 1st quarter report to IDEM on May 8.
 - Received response from USEPA on screening levels for the surface water sampling workplan in support of the CA750 demonstration on May 12.
 - Received comments from USEPA on Priority Area 1 Remedial Technology Overview and Conceptual Site Model on May 20.
 - Received comments from USEPA on Priority Area 3 Remedial Technology Overview on May 27.
 - Received comments from USEPA on Priority Area 4 Remedial Technology Overview on May 27.

- **Vessel Slip Turning Basin - Curtain**
 - None.

- **CAMU NPDES Permit**
 - On May 27, USS submitted the Discharge Monitoring Report to IDEM for April 2020.

- **TSCA PCB Alternate Disposal Method Approval**
 - None.

- **CAMU Leachate and Groundwater Monitoring**
 - CAMU leachate monthly sampling was performed on May 18.

- **CAMU – Operation and Maintenance Plan**
 - Semi-annual liner inspection was completed on May 12-13.
 - Routine Operation and Maintenance at the CAMU continues.

- **CAMU Air Monitoring and Operations Plan (AMOP)**
 - Air monitoring of VOCs (BTEX) and SVOCs (naphthalene) per revised AMOP.
 - PM₁₀ monitoring at the CAMU per revised AMOP.

B. ACTIVITIES PLANNED FOR June 2020

• **Facility Wide RFI**

- Start Priority Area 2 Additional Site Investigation and mobilize for Extended Air Sparge Study.
- Complete Semi-Annual ISM porewater and surface water sampling.
- Complete 2nd quarter ISM groundwater sampling.
- Complete 2nd quarter HWD-2 groundwater sampling.
- Complete 2nd quarter HWD-5 groundwater sampling.

• **Vessel Slip Turning Basin (VSTB)**

- Upper curtain replacement along with hardware.

• **CAMU**

- Continue air monitoring at the CAMU per the revised AMOP.
- Continue monthly monitoring of CAMU leachate.
- Complete routine geocomposite repairs.
- Set up and operate evaporative spray system. Notification to USEPA will be provided and ammonia monitoring will be completed once ESS system re-started.
- Submit CAMU Operations and Maintenance Annual Report to USEPA.

C. DEVIATIONS IN REPLY TO: PLANNED ACTIVITIES MADE DURING REPORT PERIOD

- None.

D. U. S. STEEL CAMU DISPOSAL REQUESTS & AGENCY RESPONSE

- None.

E. SUMMARY OF ENVIRONMENTAL EVENTS

- None.

F. NPDES VIOLATIONS

- NPDES - Sheen observed at outfall 018

Date - May 21, 2020

Event - At approximately 4:15 pm CST, a very light and intermittent sheen was observed at Outfall 018. Shortly after discovery, the sheen was reported to IDEM, the NRC and the Lake County Emergency Response Center. Investigation into the source of the intermittent sheen determined that the sheen was emanating from an oil water separator (OWS) located near the turbo boiler house in the 018 sewer system. Higher than normal water levels as well as recent rain events caused the OWS to be less efficient and small amounts of sheen were escaping from the OWS. The discharge of sheen was completely stopped by approximately 7:40 pm CST. The exact amount of sheen that was discharged is unknown, but estimates are less than one gallon. All sheen was contained by permanent booms that are installed near Outfall 021. Vacuum services were called to remove the sheen. Several corrective actions were taken during the event including: inspections of areas which lead to 018; sampling of heat exchangers; deployment of a temporary boom at Broadway; use of vacuum trucks to remove oil behind permanent boom at Outfall 021; and, use of vacuum trucks to remove oil from OWS sump leading to Outfall 018. Visual observations following the incident on the morning of May 22, 2020 showed no evidence of sheen and verified that the sheen has stopped.