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**Tishie Woodwell**  
Vice President  
Environmental Affairs

**VIA REGULAR AND ELECTRONIC MAIL**

July 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. 258** for the project period of **June 1** through **June 30, 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. 258**

**June 1 through June 30**

**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 June 1, 2020 through June 30, 2020. The next report (August 15, 2020) will include the period from July 1, 2020 through July 31, 2020.

**A. ACTIVITIES INITIATED, UNDERTAKEN AND COMPLETED**

• **Agency Involvement**

- IDEM was onsite to take sediment samples from the Grand Calumet River on June 16.
- The USGS was onsite to conduct routine monitoring on June 17.

• **Public Involvement**

- USS received a citizen complaint on June 9 about elevated water levels in the West Grand Calumet Lagoon (WGCL) and Marquette lagoons. USS evaluated drainage at the discharge culvert at the west end of the WGCL and found debris accumulation from recent storm events. Debris was removed and water elevation subsided to normal levels.

• **Miscellaneous**

- Submitted RCRA monthly May progress report on June 15.

- **Facility-Wide RCRA Facility Investigation (RFI)**
  - Received response and authorization from USEPA on GRW summary report O&M recommendations on June 1.
  - Started Priority Area 2 additional site investigation on June 2.
  - Completed semi-annual ISM porewater and surface water sampling on June 3.
  - Completed 2<sup>nd</sup> quarter ISM groundwater sampling on June 16.
  - Completed 2<sup>nd</sup> quarter HWD-2 groundwater sampling on June 16.
  - Completed 2<sup>nd</sup> quarter HWD-5 groundwater sampling on June 18.
  - Initiated extended air sparge pilot study in Priority Area 2 on June 22.
  - Received conditional approval from USEPA on Area 5 ISM Implementation Design Plan on June 23.
  - Received Area 6 comments from USEPA on June 23.
  - Submitted Surface Water Sampling Workplan to USEPA for CA750 on June 26.
  
- **Vessel Slip Turning Basin - Curtain**
  - Completed upper curtain replacement on June 18.
  
- **CAMU NPDES Permit**
  - On June 19, USS submitted the Discharge Monitoring Report to IDEM for May 2020.
  - USS requested and received exemption from IDEM on June 29 for DMR QA study due to no planned NPDES discharge in 2020.
  
- **TSCA PCB Alternate Disposal Method Approval**
  - None.
  
- **CAMU Leachate and Groundwater Monitoring**
  - CAMU leachate monthly sampling was performed on June 11.
  
- **CAMU – Operation and Maintenance Plan**
  - Completed routine geocomposite repairs on June 25.

- Submitted 2019 Annual CAMU Operations and Maintenance Report to USEPA on June 30.
- 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.
  - PM<sub>10</sub> monitoring at the CAMU per revised AMOP.

**B. ACTIVITIES PLANNED FOR July 2020**

- **Facility Wide RFI**
  - Complete Priority Area 2 Additional Site Investigation.
  - Continue Extended Air Sparge Study.
  - Install monitoring well at Gary Railway.
  - Respond to USEPA for comments on Priority Areas 1,3,4, and 6.
- **Vessel Slip Turning Basin (VSTB)**
  - None.
- **CAMU**
  - Continue air monitoring at the CAMU per the revised AMOP.
  - Continue monthly monitoring of CAMU leachate.
  - Start-up evaporative spray system following troubleshooting of reduced flows. Notification to USEPA will be provided and associated monitoring will be completed once the system is operational.

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

- The evaporative spray system at the CAMU was not started in June as planned. After doing troubleshooting of the system we believe calcium buildup in the leachate collection piping is restricting sufficient leachate from accumulating in the collection sump to support optimal pump operation to the sprays. We are currently looking at

mitigation measures to clean out the leachate collection pipe connected to the system. If that option does not work, alternative operations, including pumping supernatant or accessing a different leachate sump will be pursued.

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

- None.

**E. SUMMARY OF ENVIRONMENTAL EVENTS**

- None.

**F. NPDES VIOLATIONS**

- None.