Cleveland-Cliffs Burns Harbor LLC

Final Report
Outfall 002 Expanded Sampling Program

January 26, 2022

Prepared for:

Indiana Department of Environmental Management

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Cleveland-Cliffs Burns Harbor LLC

Final Report: Outfall 002 Expanded Sampling Program
January 26, 2022

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Outfall 002 Expanded Sampling Program
Final Report

Executive Summary

This is the final report of the Cleveland -Cliffs Burns Harbor Outfall 002 Expanded Sampling Program (Outfall 002 ESP).

On October 24, 2019, following the August 2019 ArcelorMittal Burns Harbor (Burns Harbor) discharge incident, IDEM directed Burns Harbor to initiate daily 24-hour composite sampling at Outfall 002 which discharges non-contact cooling water and storm water to the East Arm of Burns Harbor. The purpose was to investigate potential unauthorized process water discharges into Outfall 002 from Burns Harbor operations. Burns Harbor developed a segmented assessment plan using a variety of techniques during the 23-month investigation.

The Outfall 002 ESP was conducted over period October 25, 2019 to October 1, 2021. More than 36,000 analytical determinations were made for the five Outfall 002 ESP fixed monitoring stations. Additional analytical determinations were made for several directed short-term studies. Corrective actions were completed to address relatively minor sources of contamination to Outfall 002 that were identified during the study. All told, the cost of the Outfall 002 ESP exceeded $1,500,000.

The principal outcomes of the Outfall 002 ESP are summarized below:

- Throughout the study, Outfall 002 discharges did not cause water quality issues in the East Arm of Burns Harbor. Indiana ambient water quality standards for Lake Michigan were achieved in the Outfall 002 effluent before discharge to the East Arm of Burns harbor.

- Notes for selected pollutants monitored as part of the Outfall 002 ESP:

    - Silver was not detected in more than 3,000 separate analytical determinations made throughout the study.
    - On average, there were calculated net negative Outfall 002 mass loadings for fluoride, dissolved iron and lead considering No. 2 Lake Michigan intake data.
    - Calculated average net loadings of total cyanide, available cyanide and boron were essentially zero.
    - Relatively low average calculated net mass loadings for ammonia-N, total phenols, copper and zinc were observed. When converted to concentrations based on the average Outfall 002 flow, the respective net concentration values are either less than or in the range of the respective analytical method detection levels (MDLs).

- Relatively few instances of carry over of process waters to the Outfall 002 non-contact cooling water/storm water (NCCW/SW) sewer network were found and remediated. The corrective actions summarized below did not have discernable impacts on Outfall 002 discharge quality before and after completion.

  - Runoff from the Deerfield Landfill mix pad was redirected away from the South Storm Sewer that is part of the Outfall 002 NCCW/SW network to the DIW process wastewater sewer.
  - Two leaking heat exchangers in the waste ammonia liquor process area were repaired.
  - A source of fluoride from an abandoned mold power tank was removed, local surface soil was removed, and the area storm sewer was cleaned.
  - A "rubble sump" discharge in the Continuous Caster area was diverted to the DIW sewer.
  - Storm sewer modifications were made in the blast furnace area to minimize the potential for carry over of materials to the Outfall 002 NCCW/SW network.
  - A project to minimize the potential for low level contamination at the Power Station roof by blast furnace gas condensate has been developed and is scheduled for installation in 2022.

- Two comprehensive dynamic dye tracer studies of the blast furnace process water treatment and recycle system (BFRS) showed the BFRS has integrity with no carry over of blast furnace process water to the Outfall 002 NCCW/SW sewer network.

- Static hydraulic studies of the waste ammonia liquor processing area process water sump and the cyanide destruct system at the blast furnace closed water pump station (BFCWPS) showed each of those in-ground concrete structures had integrity with no loss of process water.

- The daily sampling at the No. 2 Lake Water pumpstation surfaced that ammonia-N levels vary in Lake Michigan with levels more elevated in summer months. This impacts mass discharge loadings of ammonia-N at all Burns Harbor Outfalls.

IDEM has included extensive Outfall 002 monitoring as part of the CC Burns Harbor renewal NPDES permit. Cleveland-Cliffs expects that Outfall 002 monitoring and any possible further studies will be conducted under terms and conditions of the renewal Burns Harbor NPDES permit.

1.0 Introduction

On October 24, 2019, the Indiana Department of Environmental Management (IDEM) directed ArcelorMittal Burns Harbor (now Cleveland-Cliffs Burns Harbor) to initiate an expanded daily 24-hour composite sampling program at Burns Harbor NPDES Outfall 002, which discharges to the East Arm of Burns Harbor.[1] Expanded daily 24-hour composite sampling was initiated at Outfall 002 on October 25, 2019.

AM Burns Harbor voluntarily initiated daily 24-hour composite sampling on October 28, 2019 at its No. 2 Lake Michigan water intake pumping station (No. 2 Intake) and at the internal non-contact cooling water (NCCW) and storm water (SW) sewer locations listed below (see Figure 1). This supplemental sampling was conducted to provide perspective and to support internal diagnostics.

[1] E-mail from Jason House (Chief, Wastewater Compliance Branch, Office of Water Quality, Indiana Department of Environmental Management, Indianapolis, IN) to Robert A. Maciel (Environmental Manager, ArcelorMittal Burns Harbor LLC, Burns Harbor, IN) and Keith Nagel (Director, Environmental Affairs & Real Estate, ArcelorMittal USA, Richfield, OH). October 24, 2019.

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MH SS 2316	D-Blast Furnace area NCCW/SW sewer Manhole SS 2316
MH SS 2816	C-Blast Furnace area NCCW/SW sewer Manhole SS 2816
MH SS 403	Coke Plant area NCCW/SW sewer Manhole SS 403 (sample collected October 28, 2019)
MH SS 1003	Coke Plant area NCCW/SW sewer Manhole SS 1003 (samples collected October 29 through November 19, 2019)
MH SS 1015	Coke Plant/BFRS Pump Station area NCCW/SW sewer Manhole SS 1015 (samples collected beginning November 20, 2019)
No. 2 LM Intake	No. 2 Lake Michigan service water Intake

MH SS 2316, MH SS 2816, MH SS 1003 and MH SS 1015 sampling stations were included to assess possible contribution of monitored pollutants to Outfall 002 from the blast furnace and coke plant areas. The No. 2 Intake was included to establish background concentrations for Outfall 002 and the internal sampling stations. Other sampling stations were utilized as short-term directed sampling programs were conducted.

Short-term directed sampling programs were conducted to determine possible carry over of process water from manufacturing and waste management operations to Outfall 002 discharges to the East Arm of Burns Harbor. As reported in the first Interim Status Report (November 24, 2019), in subsequent Interim Status Reports and in this report, CC Burns Harbor determined that the presence of monitored pollutants at low-levels in the Outfall 002 discharge did not cause or contribute to exceedances of Indiana water quality standards in the Outfall 002 discharge itself, in the East Arm of Burns Harbor or in Lake Michigan. The Indiana ambient water quality standards for Lake Michigan were achieved in the Outfall 002 effluent before discharge to the East Arm of Burns Harbor.

Reference is made to the following Interim Status Reports for details on the Outfall 002 Expanded Sampling Program and the results of CC Burns Harbor investigations:

Report Date	Interim Status Report	Outfall 002 Data Range	Sampling Programs, Investigations and Reporting
11/24/19	First	10/25/19 to 11/06/19	Lake Michigan intake and internal NCCW streams Outfall 002 Effluent Data and Indiana WQS Outfall 002 PEQ and *Reasonable Potential to Exceed*
12/06/19	Second	10/25/19 to 11/27/19	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N Lake Michigan Intake and Outfall 002 Fluoride Fluoride at Selected Internal Monitoring Stations
12/20/19	Third	10/25/19 to 12/11/19	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N First Blast Furnace Recycle System Dye Tracer Study
01/10/20	Fourth	10/25/19 to 01/01/20	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N Notes on in-progress short-term sampling programs Notes on investigations of dewatering wells

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Report Date	Interim Status Report	Outfall 002 Data Range	Sampling Programs, Investigations and Reporting
01/24/20	Fifth	10/25/19 to 01/14/20	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N Notes on in-progress short-term sampling programs Summary report of investigations of dewatering wells Initial report on short term sampling program for Coke Plant NCCW/SW sewers & South Storm Sewer
02/07/20	Sixth	10/25/19 to 01/27/20	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N Notes on in-progress short-term sampling programs Second report on short term sampling program for Coke Plant NCCW/SW sewers & South Storm Sewer
02/21/20	Seventh	10/25/19 to 02/10/20	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N Notes on in-progress short-term sampling programs: Coke Plant NCCW/SW sewers & South Storm Sewer; Waste Ammonia Liquor Processing Area. Final report on dewatering wells investigations; and, Spreadsheet for Outfall 002 mass loadings/ charts
03/06/20	Eighth	10/25/19 to 02/24/20	Lake Michigan intake and internal NCCW streams. Lake Michigan Intake and Outfall 002 Ammonia-N Update of Outfall 002 water quality assessment Notes on in-progress short-term sampling programs: Coke Plant NCCW/SW sewers & South Storm Sewer; Waste Ammonia Liquor Processing Area. Spreadsheet for Outfall 002 mass loadings/charts
04/15/20	Ninth	10/25/19 to 04/01/20	Lake Michigan intake and internal NCCW streams. Lake Michigan Intake and Outfall 002 Ammonia-N Notes on in-progress short-term sampling programs: Coke Plant NCCW/SW sewers & South Storm Sewer; Waste Ammonia Liquor Processing Area; and, Power Station, BOFs, Continuous Casters. Spreadsheet for Outfall 002 mass loadings/charts Responses to Questions 2, 7a and 7b from IDEM March 24, 2020 information request
06/15/20	Tenth	10/25/19 to 05/31/20	Lake Michigan intake and internal NCCW streams Alternate sampling methods for total cyanide and total phenols Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Notes on in-progress short-term sampling programs: Coke Plant NCCW/SW sewers & South Storm Sewer; Waste Ammonia Liquor Processing Area Spreadsheet for Outfall 002 mass loadings/charts Ongoing and planned Outfall 002 ESP investigations Enhanced Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions

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Report Date	Interim Status Report	Outfall 002 Data Range	Sampling Programs, Investigations and Reporting
08/14/20	Eleventh	10/25/19 to 07/31/20	Lake Michigan intake and internal NCCW streams Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Outfall 002 flow measurement Notes on in-progress short-term sampling programs Spreadsheet for Outfall 002 mass loadings/charts Ongoing and planned Outfall 002 ESP investigations Color-coded Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions
10/15/20	Twelfth	10/25/19 to 09/30/20	Lake Michigan intake and internal NCCW streams Outfall 002 ESP Analytical Issues Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Outfall 002 flow measurement Notes on in-progress short-term sampling programs Spreadsheet for Outfall 002 mass loadings/charts Ongoing and planned Outfall 002 ESP investigations Color-coded Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions
12/14/20	Thirteenth	10/25/19 to 11/30/20	Lake Michigan intake and internal NCCW streams Outfall 002 ESP Analytical Issues Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Spreadsheet for Outfall 002 mass loadings/charts Second BFRS dye tracer study Cyanide destruct system static hydraulic studies Notes on in-progress short-term sampling programs Ongoing and planned Outfall 002 ESP investigations Color-coded Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions
02/15/21	Fourteenth	10/25/19 to 01/31/21	Lake Michigan intake and internal NCCW streams Outfall 002 ESP Analytical Issues Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Spreadsheet for Outfall 002 mass loadings/charts Notes on in-progress short-term sampling programs Ongoing and planned Outfall 002 ESP investigations Color-coded Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions
04/15/21	Fifteenth	10/25/19 to 03/31/21	Lake Michigan intake and internal NCCW streams Outfall 002 ESP Analytical Issues Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Spreadsheet for Outfall 002 mass loadings/charts Notes on in-progress short-term sampling programs Mold yard/caster storm sewer cleanout Ongoing and planned Outfall 002 ESP investigations Color-coded Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions

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Report Date	Interim Status Report	Outfall 002 Data Range	Sampling Programs, Investigations and Reporting
06/15/21	Sixteenth	10/25/19 to 05/31/21	IDEM-approved modifications to the Outfall 002 ESP Lake Michigan intake and internal NCCW streams Outfall 002 ESP Analytical Issues Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Spreadsheet for Outfall 002 mass loadings/charts Notes short-term sampling programs Mold yard/caster storm sewer cleanout Ongoing and planned Outfall 002 ESP investigations Color-coded Outfall 002 NCCW/SW aerial photograph Status of Corrective Actions
11/30/21	Final Report	10/25/19 to 10/01/21	IDEM-approved modifications to the Outfall 002 ESP Lake Michigan intake and internal NCCW streams Outfall 002 ESP Analytical Issues Lake Michigan Intake and Outfall 002 Ammonia-N Update on Outfall 002 WQ assessment Excel spreadsheet for Outfall 002 net and gross mass loadings and charts Notes on short-term sampling programs Color-coded Outfall 002 NCCW/SW aerial photograph <u>Status of Corrective Actions</u> ▪ Mold yard/caster storm sewer cleanout and Manhole 1317 fluoride assessment ▪ Landfill Mix Pad Area investigation and rerouting waste stream from South Storm Sewer to DIW sewer ▪ Assessment for Power Station roof drains ▪ Sections of Outfall 002 sewer network not monitored <u>Additional IDEM item of interest</u> ▪ Changes at the Burns Harbor Plant during the term of the investigation that could impact discharges from Outfall 002

1.1 IDEM-approved Modifications to the Outfall 002 Expanded Sampling Program

On April 9, 2021, Cleveland-Cliffs submitted the following reports and proposed modifications to the Outfall 002 ESP.

Reports Submitted to IDEM

- Low-level Proficiency Test. Report 21C-R001CC
  RSCollaborative Services, LLC, March 12, 2021 and subsequent addendum
- Review and Data Assessment of Selected Pollutants for Outfall 002 ESP
  Amendola Engineering, Inc. March 24, 2021

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Per IDEM's request, a supplement to the Low-Level Proficiency Test report was prepared to address performance of analytical methods for total cyanide by the Kelada method and for total copper by EPA Method 200.8. The supplement and the above-listed reports were provided to IDEM on May 11, 2021.

IDEM-approved modifications to the Outfall 002 ESP

By e-mail dated May 27, 2021 from Jason House (Chief, IDEM Compliance and Enforcement Branch) to Cary Mathias (Manager, Cleveland-Cliffs Steel Water & Waste Programs), IDEM advised that Cleveland-Cliffs proposed modifications to the Outfall 002 ESP were approved, with continued monitoring for fluoride.

On or around June 1, 2021, the following modifications to the Outfall 002 ESP monitoring locations, frequencies and parameters were implemented by Cleveland-Cliffs.

Sample Locations	Changes
MH 2316 and MH 2816 (C and D Blast Furnace aera sewers)	Discontinued sampling
Lake Water Intake Outfall 002 MH 1015 (Coke Plant area and South Storm Sewer)	Discontinued: Available / Free Cyanide; TR Boron; Dissolved Iron: TR Lead; TR Silver; COD; Fluoride Continued sampling at a frequency of three days per week: Ammonia-N; Total Cyanide; Total Phenols; TR copper; TR zinc
MH 1317	Sampling three times per week for Fluoride

2.0 Outfall 002 ESP Results: October 25, 2019 to October 1, 2021

2.1 Outfall 002 ESP Analytical and Reporting Issues

Reference is made to the RSCollaborative Services and Amendola Engineering reports noted above for a review of analytical method performance for ammonia-N, cyanide, total phenols and copper, and statistical reviews of Outfall 002 ESP data for selected pollutants, respectively.

Parts of Section 2.1 are repeated from the 16th Outfall 002 ESP Interim Status Report for reference.

<u>Available Cyanide/Free Cyanide Analyses and Reporting</u>

Reference is made to the cover sheet for <u>Attachment A</u> (all attachments on enclosed CD). The 2016 Burns Harbor NPDES permit IN0000175 limits "free" cyanide at Outfall 001. Outfall 001 discharges to the East Branch of the Little Calumet River and is not part of the Outfall 002 ESP. Historical practice has been for Microbac (CC Burns Harbor third-party contract laboratory) to subcontract analysis of Outfall

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001 NPDES permit compliance samples for "free" cyanide to ALS Environmental (also a CC Burns Harbor third-party contract laboratory). The 2016 Burns Harbor NPDES permit at page 4, footnote 10 specifies analysis of Outfall 001 samples for "free" cyanide by analytical method OIA-1677, (Available Cyanide by Ligand Exchange and Flow Injection Analysis). "Available" cyanide includes "free" cyanide [hydrogen cyanide (HCN) and cyanide ion CN-] as well as readily dissociable cyanides. See Attachment B, Exhibit 1 for a more detailed description of cyanide analytical methods.

Per terms of its subcontract with Microbac, ALS had been analyzing and reporting "available" cyanide for Outfall 001 NPDES permit compliance samples in conformance with permit requirements. Depending on the sample matrix, this could result in over-reporting "free" cyanide.
In late July 2020, Microbac directed ALS to use a modification of method OIA-1677 that better approximates "free" cyanide. This modification eliminates the ligand exchange procedure. CC Burns Harbor was not advised of this modification of the OIA-1677 analytical method in advance. For purposes of the Outfall 002 ESP, "free" cyanide analyses have been reported for Outfall 002 since July 27, 2020, and for the No. 2 Intake since July 28, 2020. "Available" cyanide analytical results have been reported for MH 2316, MH 2816 and MH 1015 throughout the Outfall 002 ESP.

Broad Range Outfall 002 ESP Analytical Issues

As noted in Outfall 002 ESP Interim Status Reports, there are several analytical issues that persisted throughout the Outfall 002 ESP. These center on the following topics:

- The Outfall 002 effluent comprises from 200 mgd to more than 300 mgd of non-contact cooling water and, under wet weather conditions, site storm water.
- The Outfall 002 non-contact cooling water is withdrawn from Lake Michigan. Thus, the quality of the Lake Michigan intake water greatly influences the quality of the Outfall 002 effluent.
- Because of the good quality of Lake Michigan water, there is a preponderance of not detect analytical results for many of the pollutants included in the Outfall 002 ESP, as well as a fair number of reported J-values [values reported above the analytical method detection limit (MDL), but below the laboratory reporting limit (RL)].
- For certain pollutants where the Lake contains relatively low natural background concentrations (i.e., ammonia-N, boron, fluoride), Outfall 002 effluent concentrations are essentially the same as Lake Michigan intake concentrations.
- As described briefly below, and in particular for ammonia-N, all forms of cyanide and total phenols, the respective analytical methods are not robust at concentrations at and near the analytical MDLs and RLs, as exhibited by laboratory performance.[2]
- For common NPDES analytical methods, acceptance criteria for laboratory control samples may range from ± 10% to as much as ± 20% and higher. Reproducibility of duplicate analyses (duplicate analyses, matric spike duplicates, field duplicates) are declared acceptable at relative

[2] As referenced previously in Section 1.1 of this report, on April 9, 2021 and on May 11, 2021, Cleveland-Cliffs provided IDEM with a report of a three-lab, low-level laboratory proficiency study directed at analytical methods for ammonia-N, total and available/free cyanide, total phenols and copper; and, a report that sets out statistical analyses of Outfall 002 ESP analytical results at Outfall 002 and the No. 2 Intake for available/free cyanide, fluoride, boron, dissolved iron, lead, silver and chemical oxygen demand. These reports support the above observations and substantial reductions in fixed monitoring station aspect of the Outfall 002 ESP.

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per cent differences (RPDs) of ± 15% to ± 20%. These controls are typically applied at the mid-points of the calibration curves used to establish controls of the analytical systems.
- Laboratories typically do not control their analytical systems (i.e., calibrations) down to the MDLs. The respective test methods and the NPDES regulations at 40 CFR Part 136 do not require such control.
- Because the uncertainty of analytical results increases near the RL, and because there is typically no effective analytical control between the MDL and the RL, any results reported near the RL and below the RL (i.e., J-values), must be considered in that context.

To a significant degree, this confounds assessments of the data with respect to identifying possible low-level sources of these pollutants to Outfall 002 (e.g., see cyanide data presented in Attachment B).

2.2 Fixed Station Monitoring Network

The Outfall 002 ESP fixed station monitoring network included the following sampling stations through May 31, 2021:

- Outfall 002
- No. 2 Lake Michigan Water Pumping Station (No. 2 Intake)
- Manhole 1015 (Coke Plant area sewers; South Storm Sewer)
- Manhole 2316 (D-Blast Furnace NCCW)
- Manhole 2816 (C-Blast Furnace NCCW)

As discussed in Section 1.1, the Outfall 002 ESP fixed station monitoring network included the following sampling stations from June 1, 2021 to October 1, 2021:

- Outfall 002
- No. 2 Lake Michigan Water Pumping Station (No. 2 Intake)
- Manhole 1015 (Coke Plant area sewers; South Storm Sewer)
- Manhole 1317 (BOF/Caster and Former Mold Yard Area)

Please refer to Figure 1, which is an enhanced color-coded Outfall 002 NCCW/SW sewer aerial photograph for fixed station monitoring network sampling stations.

Attachment A presents available analytical results for the five fixed stations for the period October 25, 2019 to October 1, 2021, daily 24-hour Outfall 002 effluent flow, and daily 24-hour precipitation recorded as follows:

October 25, 2019 to April 7, 2021:	Chesterton, IN (Weather Station US1INPT0091).
April 8, 2021 to October 1, 2021:	Rain gage at CC Burns Harbor Polishing Lagoons

The first worksheet in Attachment A presents data for all fixed stations arranged by sample date. This allows for comparison of data across the sampling stations. Subsequent worksheets present data by sampling station. Fluoride data collected at Manhole 1317 are not provided in Attachment A. These data are reviewed discussed separately in Section 2.5.

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Because water samples collected at Outfall 002 and the internal plant sampling stations comprise NCCW obtained from Lake Michigan via the Burns Harbor Plant Nos. 1 and 2 Lake Water Pumping Stations, as well as site storm water during wet weather conditions, a high proportion of the reported analytical results are either not detect (U analytical code) or estimated concentrations (J analytical code). Throughout the Outfall 002 ESP, U values have been reported at the respective MDLs, and J-values have been reported at the estimated concentrations reported by the analytical laboratories.

Confirmatory analyses on retain samples were conducted for several samples to verify initial analytical results and/or to investigate results that appear to be anomalous or statistical outliers based on the body of data available. Attachment A reports all sample results for comparison, including initial and rerun data. Reference is made to the first page of Attachment A for notes about data reporting conventions.

Fixed Station Sampling Program Notes

Since January 22, 2020 Microbac has been collecting and analyzing 24-hour composite samples at Outfall 002 and the No. 2 Intake to provide for better direct comparison of analytical results for 24-hour composite samples collected at these sampling stations. Prior to January 22, 2020, ALS had been collecting and analyzing samples from the No. 2 Intake.

Reference is made to the Outfall 002 Interim Status Reports for additional Sampling Program Notes.

Current Observations: June 1, 2021 to October 1, 2021

- Reference is made to the 11th Outfall 002 ESP Interim Status Report for a review of Outfall 002 effluent flow data where estimated discharge flows were reported when high Lake Michigan levels interfered with Outfall 002 flow measurements. Since August 15, 2020, Burns Harbor has been reporting Outfall 002 effluent flow measured with a calibrated flow monitoring system that cannot be affected by the level of Lake Michigan.

- Monitoring data reported for the period June 1, 2021 to October 1, 2021 are for the most part similar to data for prior reporting periods. Following are notable observations:

  Ammonia-N

  - The long-term average ammonia-N concentrations at Outfall 002 (0.109 mg/L) is marginally above the concentrations at the No. 2 Intake (0.098 mg/L) for this reporting period. The maximum values reported for Outfall 002 and the No. 2 Intake were the same at 0.300 mg/L. Ammonia-N concentrations at Outfall 002 exceeded the ammonia-N concentrations at the No. 2 Intake on 27 of the 55 days in the monitoring period of this report, and the No. 2 Intake exceeded Outfall 002 on 28 days. On days where the Outfall 002 concentrations exceeded the No. 2 Intake concentrations, there was no indication of elevated ammonia-N concentrations at the internal fixed sampling station downstream of the coke plant (Manhole 1015). Given the low concentrations observed at both the No. 2 Intake and Outfall 002, and findings from the

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RSCollaborative Services report, such differences in concentration are within normal ranges of analytical variability.

Total Cyanide

- There were no reported detections above the MDL of 0.0040 mg/L for total cyanide at Outfall 002 for this reporting period.

- There were two reported detections for total cyanide above the MDL at the No. 2 Intake (06/02/21 – J 0.0040 mg/L and 07/16/21 – M 0.0140 mg/L):
  - The 06/02/21 detection is J-flagged at the MDL of 0.0040 mg/L
  - The 07/16/21 detection is M-flagged, indicating the presence of matrix interference and matrix spike recovery outside of acceptance limits

- There were several reported J-values for total cyanide approaching the reporting limit (0.0050 mg/L) at monitoring station MH 1015; and two reported values above the reporting limit on August 9, 2021 and August 25, 2021. None of these low-level detections resulted in values above the MDL at Outfall 002:

Sample Date	Total Cyanide
06/01/21	J 0.0017
06/30/21	J 0.0013
07/01/21	J 0.0022
07/06/21	J 0.0026
07/09/21	J 0.0012
07/12/21	J 0.0017
08/02/21	J 0.0018
08/04/21	J 0.0015
08/09/21 rerun result	0.0130 JH 0.0012
08/11/21	J 0.0041
08/13/21	J 0.0045
08/25/21	0.0056
08/27/21	J 0.0020
08/30/21	J 0.0016
09/06/21	J 0.0025
09/08/21	J 0.0044
09/15/21	J 0.0026
09/27/21	J 0.0045
09/29/21	J 0.0014
10/01/21	J 0.0019

The elevated total cyanide value reported for August 9, 2021 prompted reanalysis which resulted in a J-flagged value at the MDL of 0.0012 mg/L (sample is an H-flag value – analyzed outside of the analytical method holding time). The total cyanide result reported for August 25, 2021 was just above the reporting limit of 0.0050 mg/L and was not reanalyzed.

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Total Phenols

- For total phenols, there were several J-values and several reported detections near the RL at Outfall 002. These data are presented below along with corresponding same day Manhole 1015 and No. 2 Intake data:

Sample Date	Outfall 002	Manhole 1015	No. 2 Intake	Reporting Level
06/01/21	J 0.0064 mg/L	U 0.0025 mg/L	J 0.0068 mg/L	0.0100 mg/L
06/04/21	J 0.0066 mg/L	J 0.0033 mg/L	J 0.0081 mg/L	0.0100 mg/L
06/16/21	BJ 0.0087 mg/L	U 0.0025 mg/L	no data	0.0100 mg/L
06/21/21	J 0.0096 mg/L	no data	BU 0.0060 mg/L	0.0100 mg/L
06/25/21	J 0.0062 mg/L	U 0.0025 mg/L	U 0.0060 mg/L	0.0100 mg/L
06/28/21	J 0.0085 mg/L	no data	U 0.0060 mg/L	0.0100 mg/L
07/05/21	J 0.0081 mg/L	no data	J 0.0084 mg/L	0.0100 mg/L
07/06/21	J 0.0081 mg/L	U 0.0025 mg/L	J 0.0084 mg/L	0.0100 mg/L
07/07/21	J 0.0075 mg/L	U 0.0025 mg/L	U 0.0060 mg/L	0.0100 mg/L
07/16/21	0.0120 mg/L	U 0.0025 mg/L	0.0150 mg/L	0.0100 mg/L
07/23/21	J 0.0093 mg/L	U 0.0025 mg/L	U 0.0060 mg/L	0.0100 mg/L
08/02/21	J 0.0090 mg/L	U 0.0025 mg/L	J 0.0062 mg/L	0.0100 mg/L
08/06/21	J 0.0085 mg/L	U 0.0025 mg/L	0.0110 mg/L	0.0100 mg/L
08/13/21	J 0.0089 mg/L	U 0.0025 mg/L	U 0.0060 mg/L	0.0100 mg/L
08/18/21	J 0.0060 mg/L	U 0.0025 mg/L	J 0.0064 mg/L	0.0100 mg/L
08/20/21	0.0120 mg/L	U 0.0025 mg/L	U 0.0060 mg/L	0.0100 mg/L
08/23/21	J 0.0060 mg/L	U 0.0025 mg/L	U 0.0060 mg/L	0.0100 mg/L
08/30/21	J 0.0062 mg/L	U 0.0025 mg/L	J 0.0063 mg/L	0.0100 mg/L

  Values for total phenols reported at low concentrations near the RL are likely to have poor precision and accuracy.[3]

- Attachment C is a chart that compares gross ammonia-N concentrations measured in the Outfall 002 effluent and at the No. 2 Intake with ambient aquatic life ammonia-N water quality standards that apply to the East Arm of Burns Harbor and Lake Michigan. Data for this reporting period continue to show observed ammonia-N concentrations in the Outfall 002 effluent well below the average and maximum ambient water quality standards. This demonstrates no environmental issues with respect to low-level ammonia-N discharges from Outfall 002. As shown in Attachment D, data collected since January 22, 2020 show an average net mass loading of ammonia-N from Outfall 002 of less than 22 lbs/day, an insignificant amount given the large Outfall 002 discharge flow, and as noted above, well within expected analytical variability.

[3] See *WP-288 Final Report, WatR™ Pollution Proficiency Testing (Microbac Laboratories – Chicago Division).* ERA, Golden, CO. March 4, 2019. The assigned value concentration for total phenols in the DMR QA study was 2.76 mg/L, and the acceptance range for participating laboratories was 1.41 mg/L to 4.12 mg/L, or approximately ± 49%. Reported detections (> RL, J-Values) for total phenols concentrations encountered in the Outfall 002 ESP are typically at or near the MDL and more than 100 to 200 times lower than the assigned value for the above-referenced DMR QA study. Analytical results for total phenols at and near the MDL are expected to have an "acceptance range" greater than reported for the DMR QA study.

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2.3 Outfall 002 Net and Gross Mass Loadings Assessment

As part of its January 31, 2020 information request, IDEM required that Burns Harbor provide an active spreadsheet that contains Outfall 002 mass loadings for the Outfall 002 Expanded Sampling Program. On February 14, 2020 Burns Harbor provided a spreadsheet that contained daily Outfall 002 and No. 2 Intake concentrations of monitored pollutants, daily Outfall 002 discharge flow, as well as calculated net Outfall 002 mass pollutant loadings using defined calculation protocols. Data were provided through January 27, 2020. An update of that spreadsheet with data through October 1, 2021 is presented as Attachment D. Per IDEM's request, the updated spreadsheet contains gross Outfall 002 effluent loadings as well as net effluent loadings.

Charts of the net and gross effluent loadings are also presented in Attachment D. These charts show either negative or no significant average net loadings of ammonia-N, total cyanide, available cyanide, fluoride, boron, dissolved iron, lead, silver and COD from January 22, 2020 to September 20, 2021. The data show low-level average net loadings of total phenols, copper and zinc. Reference is made to Section 2.4 below regarding total copper results reported at Outfall 002 during the Microbac/ALS split sampling study. Microbac has analyzed 24-hour composite samples from both Outfall 002 and the No. 2 Intake since January 22, 2020. See Section 2.1 of the Thirteenth Interim Progress Report for a discussion regarding split sample analyses for total copper.

2.4 Update of Outfall 002 Water Quality Assessment

An update of the Outfall 002 water quality assessment is presented in Attachment E. Outfall 002 effluent data collected from December 1, 2020 to October 1, 2021 continue to show pollutant concentrations in the Outfall 002 effluent prior to mixing in the East Arm of Burns Harbor have been well below ambient Indiana water quality standards that apply to Burns Harbor and the open waters of Lake Michigan. There is no indication the Outfall 002 discharge poses a *reasonable potential to exceed* Indiana aquatic life water quality standards.

2.5 Outfall 002 ESP Short-Term Sampling Programs

Continuous Caster, BOF, Slab Mill and Power Station Area Storm Sewers

Initial corrective actions were completed at the Mold Yard area near the Continuous Caster area in response to elevated fluoride concentrations found in area manholes. An abandoned tank in the Mold Yard area was decommissioned and area surface soils were removed. Work was completed on July 31, 2020. On August 20, 2020, the Caster "rubble sump" discharge was redirected to the DIW process water sewer leading to the Secondary Wastewater Treatment Plant.

Follow-up sampling at area manholes was conducted on September 29 and October 1, 2020. Sample program results showed elevated fluoride concentrations remained at MH 1317 after the initial corrective actions noted above were completed. These follow-up results are summarized in the table below. The section of the sewer upstream of MH 1317 does not have sustained flow and it is likely residual solids that contained fluoride remained in the sewer at the time of the follow-up sampling.

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CC Burns Harbor conducted a cleanout project at the Continuous Caster storm sewers in February and March 2021. Accessible manholes within the caster area were flushed with high-pressure water which was subsequently removed from the sewer by vacuum truck and directed to the Secondary Wastewater Treatment Plant. Following completion of the project on March 29, 2021, follow-up sampling was conducted at select manholes on April 1, 2021. These data are summarized in the table below and show significantly reduced fluoride concentrations at Manhole 1317 (0.42 mg/L) when compared to fluoride concentrations measured in the sewer prior to the cleanout project (1.19 mg/L).
As part of the modifications to the Outfall 002 Expanded Sampling Program approved by IDEM on May 27, 2021, IDEM requested 3/week monitoring for fluoride at Manhole 1317 (BOF/Caster and former Mold Yard area). These data are provided in Attachment F and are summarized in the table below:

Sample Dates	No. Samples	Avg. Fluoride
Prior to Corrective Actions		
November 2019	6	0.69 mg/L
April 2020	4	0.68 mg/L
July 31, 2020 *Abandoned tank in the Mold Yard area was decommissioned and area surface soils were removed*		
August 20, 2020 *Caster 'rubble sump" discharge was redirected to the DIW process water sewer leading to the Secondary Wastewater Treatment Plant.*		
Sept/Oct 2020	4	1.19 mg/L
February/March 2021 *Caster Storm Sewer Cleanout (high-pressure water flushing)*		
April 2021	1	0.42 mg/L
June 2021	11	0.55 mg/L
July 2021	14	0.42 mg/L
August 2021	13	0.38 mg/L
September 2021	14	0.31 mg/L

The 3/week fluoride data provided in Attachment C and the fluoride data summarized in the table above show the corrective actions completed by Cliffs have resulted in reductions in fluoride concentrations at Manhole 1317. The 3/week fluoride data collected from June to September 2021 also show continued reductions by month, indicating no new contributions of fluoride to Manhole 1317 following storm sewer cleanout activities in February and March 2021. It is reasonable to expect fluoride concentrations at Manhole 1317 will continue to diminish over time.

Additional information is provided under Section 4.0 – Status of Correction Actions.

Notwithstanding, as reported previously there have been no discernable differences in fluoride concentrations at Outfall 002 and the No. 2 Intake throughout the period of the Outfall 002 ESP. The Outfall 002 average fluoride concentration reported by Microbac for the period January 22, 2020 to

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October 1, 2021 is 0.122 mg/L. The corresponding No. 2 Intake concentration is 0.126 mg/L.[4] These data demonstrate low-level fluoride at and upstream of MH 1317 is not significant in context of Outfall 002 discharge concentrations or environmental impacts.

3.0 Ongoing and Planned Outfall 002 ESP Investigations

The Outfall 002 ESP is complete. IDEM has included extensive Outfall 002 monitoring as part of the CC Burns Harbor renewal NPDES permit. CC Burns Harbor anticipates that Outfall 002 monitoring and possible further studies will be conducted under terms and conditions of the renewal NPDES permit.

4.0 Status of Corrective Actions

Area	Corrective Action	Status
Coke Plant WALPS	• Maintenance on diatomaceous earth heat exchangers	Complete 05/13/20
South Storm Sewer	• Abatement of landfill mix pad drainage • Diversion of landfill mix pad drainage to DIW sewer	Complete 03/31/20 Complete 04/10/20
Blast Furnaces	• Top hats on 54"/60" BFRS sewer Manholes 2716, 2816 • Top hats on two manholes located near C and D Furnace quick dump sumps • Sewer modifications near C and D Furnace quick dump sumps to eliminate need for top hats • Installation of steel plates over grates at C and D Furnaces to minimize the potential for area storm water to reach Outfall 002 NCCW/SW sewer system	Complete 11/01/19 Complete 12/19 Complete 04/21/20 Complete 02/24/20
Continuous Caster, Mold Yard	• Remediation of abandoned tank and surface soil in Mold Yard regarding fluoride compound • Diversion of Caster "rubble sump" discharge to DIW sewer • Mold Yard / Caster Area sewer cleaning project (see Section 2.5 and Figure 2)	Complete 07/31/20 Complete 08/20/20 Complete 03/29/21
Utility Aisle	• Diversion of electrical substation groundwater to DIW sewer	Complete 04/03/20
Power Station	• Diversion of Power Station roof drains to DIW sewer	Considered low potential for contamination. Scheduled for completion in 2022. See notes below.

IDEM requested information and data about rerouting of Landfill Mix Pad runoff from the South Storm Sewer to the DIW sewer. Reference is made to the 10th Outfall 002 ESP Interim Status Report for detailed information and South Storm Sewer monitoring data before and after the corrective action. The rerouting project was successful. South Storm Sewer pH retuned to the neutral range and elevated

[4] Prior to January 22, 2020, No. 2 Intake samples were analyzed by ALS at a different MDL and RLs than Microbac's analysis of Outfall 002 samples. Since January 22, 2020, No. 2 Intake and Outfall 002 samples have been analyzed by Microbac.

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concentrations of ammonia-N, total cyanide and total phenols were abated. Attached G is an aerial photograph showing the flow routing.

At the Power Station there are slide gates on the blast furnace gas headers for each boiler located on the Station roof. The slide gates are operated from time to time for boiler operations. There is the potential for low level contamination to the Station roof by gas condensate when the slide gates are periodically operated. Diversion of Power Station roof drains from the Outfall 002 NCCW/SW sewer network to the DIW sewer was considered but not implemented because of the high volume of storm water that would be diverted into the Burns Harbor process water treatment system. A project to minimize the potential for low level contamination without collecting and rerouting the relatively high volume of storm water from the Power Station roof drains has been developed and is scheduled for installation in 2022.

Figure 1 is a color-coded aerial photograph of the section of the Burns Harbor that drains to the Outfall 002 NCCW/SW sewer system. Sections of the Outfall 002 NCCW/SW sewer are color-coded as follows based on data collected as part of the Outfall 002 ESP:

Green:	No significant contamination identified
Yellow:	Contamination not likely based on process knowledge and results of BFRS dye studies completed in December 2019 and November 2020
Orange:	Low-level contamination identified with no impact to water quality in Outfall 002 discharges to the East Arm of Burns Harbor
No color:	Sections not investigated

Changes were made to Figure 1 throughout the Outfall 002 ESP as results of investigations and short-term studies became available. Principal changes made for this report include changes from red to orange to the South Storm Sewer section between MH 1014 and 1015 and at MH 3614 near the Shops Complex. As noted above, corrective actions were made in the Coke Plant WALPS area and South Storm Sewer. Low-level level contamination at MH 1015 has been observed from time to time after those corrective actions were made with no readily identifiable source. It is reasonable to expect this will continue at some level, and it is reasonable to expect there will be no discernable impact on Outfall 002 discharge quality.

The following sections of the Outfall 002 NCCW/SW sewer network were not investigated for the reasons stated:

Outfall 002 NCCW/SW Section	Reasons not Monitored as Part of Outfall 002 ESP
South Storm Sewer MH 1015 to Power Station inflow to Outfall 002 sewer tunnel	There are no likely sources of process water from the Sinter Plant (Recycle Plant) or from the Reclamation Services Building (RSB) to the Outfall 002 NCCW/SW sewer network. Recycle Plant main stack scrubber water is directed to the RSB for pretreatment. All

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Outfall 002 NCCW/SW Section	Reasons not Monitored as Part of Outfall 002 ESP
	process water from the RSB is directed to the DIW sewer for additional treatment at the Secondary Wastewater Treatment Plant prior to discharge through internal Outfall 011 and Outfall 001 to the East Branch of the Little Calumet River.
Outfall 002 sewer tunnel from Power Station to Outfall 002	MH 2816 and MH 2316 near the C and D Blast Furnaces were included as fixed monitoring stations in the Outfall 002 ESP to identify possible carry over of process water from the blast furnace area. There are no sources of process water to the Outfall 002 sewer tunnel downstream of the blast furnaces.

5.0 Changes at the Burns Harbor Plant

Aside from the corrective actions noted above, there have been no material changes at the Burns Harbor Plant during the term of the Outfall 002 ESP for manufacturing processes, utility operations, non-contact cooling water systems, process water systems or process wastewater treatment systems that would be expected to have impacts on discharges from Outfall 002.

6.0 Additional Activity

The Burns Harbor Storm Water Pollution Prevention Plan will be updated consistent with findings from the Outfall 002 ESP and the terms and conditions of the renewal Burns Harbor NPDES permit.

The Power Station slide gate valve project will be implemented within 12 months.

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FIGURE 1

East Arm Burns Harbor

Ore Storage Yard

BOF

Continuous Caster

Mold Yard

Stripper

MANHOLE NO. 2117

MANHOLE NO. 1317

MANHOLE NO. 2316

D Blast Furnace

C Blast Furnace

MANHOLE NO. 2016

MANHOLE NO. 1916

OUTFALL 002

MANHOLE NO. 2816

Power Station

Sinter Plant

RSB

Slab Mill (idled)

MANHOLE NO. 1814

MANHOLE NO. 1015

MANHOLE NO. 1714

BFRS PUMP STATION

MANHOLE NO. 1514

MANHOLE NO. 1014

MANHOLE NO. 3614

Shops Complex

MANHOLE NO. 1003

Coal Storage Yard

Coke Plant

MANHOLE NO. 403

MANHOLE NO. 303

MANHOLE NO. 712

CLEVELAND-CLIFFS BURNS HARBOR LLC

OUTFALL 002 COOLING WATER/STORM WATER SEWER w/SELECT SAMPLING LOCATIONS

002 CW/STORM SEWER

REVISION 11
11/18/2021

KEY

- NO SIGNIFICANT CONTAMINATION IDENTIFIED
- CONTAMINATION NOT LIKELY
- LOW-LEVEL CONTAMINATION IDENTIFIED
- SECTIONS NOT INVESTIGATED

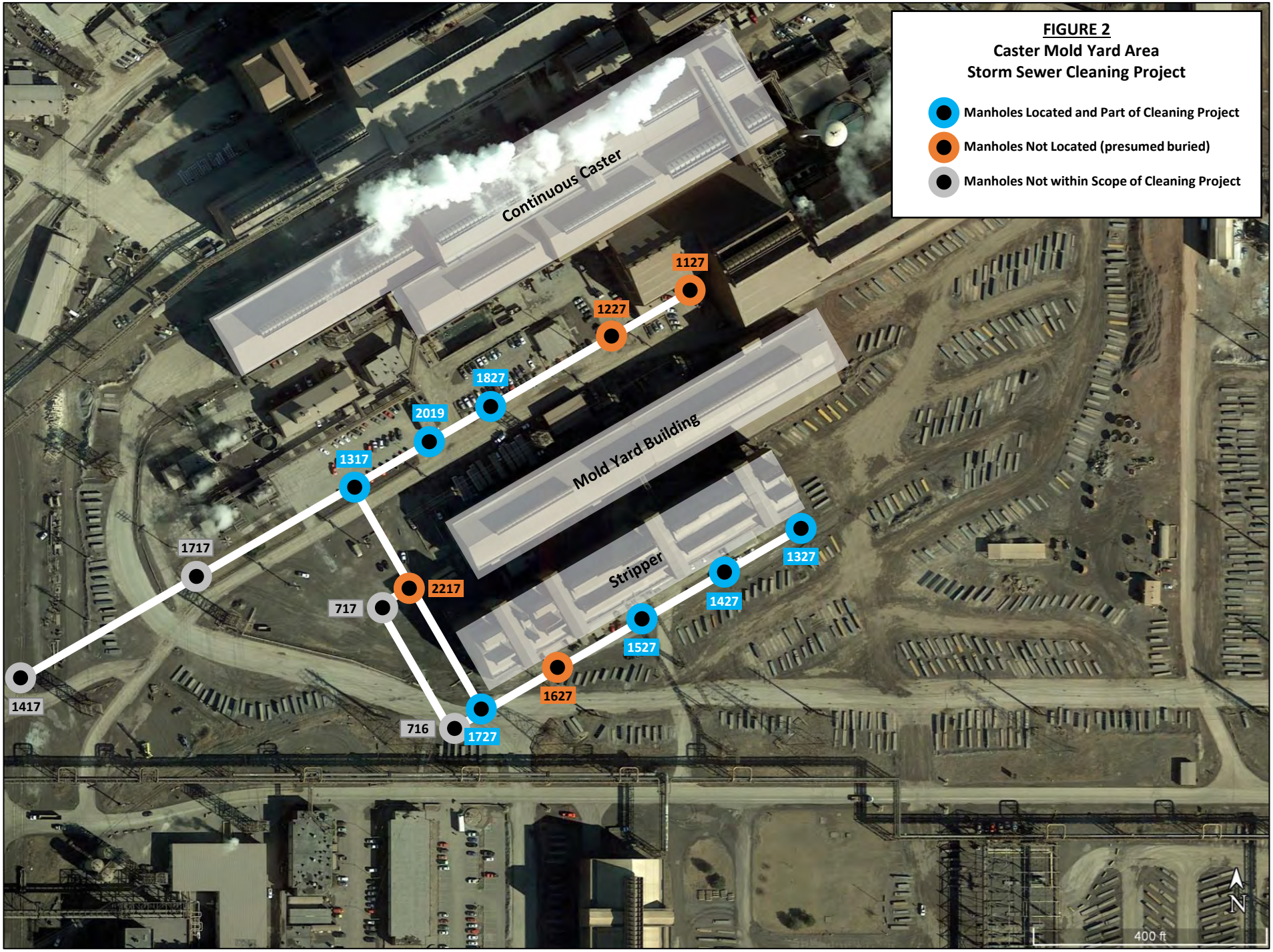
FIGURE 2
Caster Mold Yard Area
Storm Sewer Cleaning Project
Manholes Located and Part of Cleaning Project
Manholes Not Located (presumed buried)
Manholes Not within Scope of Cleaning Project
Continuous Caster
Mold Yard Building
Stripper
1127
1227
1827
2019
1317
1717
2217
717
1417
716
1727
1627
1527
1427
1327
N
400 ft

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
October 25 - 27, 2019																											
002 (10/25/19)	0.00	U	9.3	J	0.0930	U	0.0020			U	0.00091	U	0.0060		0.140		0.0290	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (10/26/19)	0.00	U	9.3	J	0.0920	U	0.0020			U	0.00180	U	0.0060		0.130		0.0290	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01400
002 (10/27/19)	1.68	U	9.3	J	0.0940	U	0.0020			U	0.00200	J	0.0062		0.130		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 28, 2019	0.00																										
002			11.0	J	0.0940	U	0.0020					J	0.0070		0.160		0.0270	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00780
002 (reruns)						U	0.0020	U	0.0020	U	0.00091																
						U	0.0012	U	0.0011	U	0.00091																
BF D MH SS 2316		J	15.0	J	0.0126	U	0.0012			U	0.00091	U	0.0020	J	0.060		0.0331		0.00681	U	0.0412	U	0.000400	U	0.000500	J	0.00349
BF C MH SS 2816		J	13.0	J	0.0235	U	0.0012			U	0.00091		0.0094	J	0.060		0.0293		0.00629	U	0.0412	J	0.000505	U	0.000500	J	0.00701
CP MH SS 403		J	11.0	J	0.0221	U	0.0012			U	0.00180		0.0080	U	0.058		0.0283		0.00724	U	0.0412	U	0.000400	U	0.000500	J	0.00424
LM No. 2		J	8.8	J	0.0208	U	0.0012			U	0.00180	J	0.0030	U	0.058		0.0249	J	0.00651	U	0.0412	U	0.000400	U	0.000500	J	0.00632
October 29, 2019	0.08																										
002		U	9.3	J	0.0770		0.0070			U	0.00091	J	0.0066		0.180		0.0290	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)						U	0.0020																				
								U	0.0011	U	0.00091																
BF D MH SS 2316		J	11.0	J	0.0169	U	0.0012			U	0.00091	U	0.0020	J	0.070		0.0266	J	0.00135		0.1900	J	0.000444	U	0.000260	J	0.00578
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	11.0	J	0.0108	U	0.0012			U	0.00091	U	0.0020	J	0.060		0.0292	U	0.00130		0.0823	J	0.000319	U	0.000260	U	0.00470
LM No. 2		U	6.1	J	0.0188	U	0.0012			U	0.00091	J	0.0091	U	0.058		0.0275	U	0.00130		0.1550	J	0.000356	U	0.000260	U	0.00470
October 30, 2019	0.78																										
002		U	9.3		0.1500	U	0.0020			U	0.00091	U	0.0060		0.180		0.0290	J	0.00540	U	0.0120	U	0.003300	U	0.000053		0.01700
BF D MH SS 2316			21.0	J	0.0126	U	0.0012			U	0.00091	J	0.0058	U	0.058		0.0250	J	0.00133		0.2020	J	0.000389	U	0.000260	J	0.00489
BF C MH SS 2816		J	11.0	U	0.0098	U	0.0012			U	0.00091		0.0094	U	0.058		0.0271	J	0.00212		0.1590	J	0.000701	U	0.000260	J	0.00502
CP MH SS 1003			21.0	U	0.0098	U	0.0012			U	0.00091	J	0.0036	U	0.058		0.0272	U	0.00130	J	0.0736	J	0.000251	U	0.000260	U	0.00470
LM No. 2		J	6.8	U	0.0098	U	0.0012			U	0.00091	J	0.0560	U	0.058		0.0251	U	0.00130	J	0.0480	J	0.000343	U	0.000260	J	0.00578
October 31, 2019	0.81																										
002			21.0	U	0.0540	U	0.0020			U	0.00091	J	0.0067		0.170		0.0300	J	0.00670	U	0.0120	J	0.003400	U	0.000053	J	0.01300
BF D MH SS 2316		J	8.8	J	0.0231	U	0.0012			U	0.00091	J	0.0024	U	0.058		0.0395	J	0.00324		0.4460	J	0.001080	J	0.001670	J	0.00930
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0354	J	0.00137		0.0593	J	0.001090	U	0.000260	J	0.00897
CP MH SS 1003		J	13.0	J	0.0153	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0329	U	0.00130		0.1640	J	0.000776	U	0.000260		0.01590
LM No. 2		J	8.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0312	U	0.00130		0.4370	J	0.001010	U	0.000260	J	0.00646
November 1, 2019	0.55																										
002		U	9.3		0.1100	J	0.0021			U	0.00091	U	0.0060		0.170		0.0330	J	0.00630	U	0.0120	J	0.003500	U	0.000053	J	0.01000
002 (rerun)						U	0.0020																				
BF D MH SS 2316		J	11.0	J	0.0154	U	0.0012			U	0.00091	J	0.0021	J	0.070		0.0425	U	0.00130		0.4770	J	0.001080	U	0.000260		0.01510
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	6.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	J	0.070		0.0379	U	0.00130		0.2740	J	0.000566	U	0.000260	U	0.00470
LM No. 2		J	6.8	U	0.0098	U	0.0012			U	0.00091	J	0.0041	U	0.058		0.0351	U	0.00130		0.1820	J	0.001300	U	0.000260		0.01800

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 2, 2019	0.00																										
002		U	9.3	J	0.0610	U	0.0020			U	0.00091	U	0.0060		0.160		0.0280	J	0.00610	U	0.0120	J	0.003700	U	0.000053	U	0.00730
002 (rerun)						U	0.0020																				
BF D MH SS 2316		J	19.0	J	0.0125	J	0.0012			J	0.00130	U	0.0020	U	0.058		0.0336	U	0.00130		0.1730	J	0.004980	U	0.000260	J	0.00685
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	17.0	U	0.0098	J	0.0018			U	0.00091	U	0.0020	J	0.070		0.0346	U	0.00130		0.1290	J	0.000434	U	0.000260	U	0.00470
LM No. 2		J	11.0	U	0.0098	U	0.0012			U	0.00091		0.0085	U	0.058		0.0316	U	0.00130	J	0.0663	J	0.000385	U	0.000260	U	0.00470
November 3, 2019	0.00																										
002			15.0	J	0.0810	J	0.0026			U	0.00091	U	0.0060		0.510		0.0260	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00840
002 (rerun)						U	0.0020								0.410												
BF D MH SS 2316		J	8.8	J	0.0114	Sample Lost/Broken - No Data						U	0.0020	J	0.070		0.0380		0.00594		0.1160	J	0.000674	U	0.000260	J	0.00790
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	8.8		0.0325	U	0.0012			J	0.00170	J	0.0028	J	0.070		0.0350	J	0.00242		0.1730	J	0.003750	U	0.000260	J	0.00520
LM No. 2		J	8.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0326	U	0.00130	J	0.0791	J	0.000851	U	0.000260	J	0.00986
November 4, 2019	0.00																										
002		U	9.3	J	0.0540	J	0.0020			U	0.00091	U	0.0060		0.190		0.0270	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00840
BF D MH SS 2316		U	6.1	J	0.0129	U	0.0012			U	0.00091	J	0.0053	U	0.058		0.0290	J	0.00189		0.1350	J	0.000310	U	0.000260	U	0.00470
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		U	6.1	J	0.0127	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0303	U	0.00130		0.1030	J	0.000314	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091		0.0097	U	0.058		0.0286	J	0.00145		0.3820	J	0.000760	U	0.000260		0.01000
November 5, 2019	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.180		0.0270	J	0.00600	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0193	U	0.0012			U	0.00091	J	0.0036	U	0.058		0.0295	J	0.00351		0.2530	J	0.000519	U	0.000260	J	0.00901
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		U	6.1		0.0468	U	0.0012			U	0.00091		0.0160	U	0.058		0.0303	U	0.00130		0.1100	J	0.000266	U	0.000260	U	0.00470
LM No. 2		U	6.1	J	0.0191	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0294	J	0.00145		0.3100	J	0.000637	U	0.000260	J	0.00628
November 6, 2019	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.170		0.0280	J	0.00660	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0283	U	0.0012			U	0.00091		0.0120	U	0.058		0.0311	J	0.00211		0.1370	J	0.000382	U	0.000260	U	0.00470
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		U	6.1		0.0323	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0271	U	0.00130		0.1360		0.000322	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0020	J	0.060		0.0251	U	0.00130	J	0.0689	U	0.000220	U	0.000260	J	0.00523
November 7, 2019	0.00																										
002			11.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0290	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.8	J	0.0213	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0292		0.00861	U	0.0412	J	0.000511	U	0.000500	J	0.00386
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	8.8	J	0.0145	U	0.0012			J	0.00110	J	0.0033	U	0.058		0.0288		0.00665	U	0.0412	J	0.000827	U	0.000500	J	0.00557
CP MH SS 1003 (1st rerun)										J	0.00100																
CP MH SS 1003 (2nd rerun)										U	0.00091																
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0319		0.01050	U	0.0412	J	0.001100	U	0.000500	J	0.00879

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 8, 2019	0.00																										
002			16.0	J	0.0770	J	0.0026			U	0.00091	U	0.0060		0.130		0.0230	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)						U	0.0020																				
BF D MH SS 2316		U	6.1	J	0.0020	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0343		0.01140	U	0.0412	J	0.000499	U	0.000500	J	0.00294
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003			27.0		0.0649	U	0.0012			U	0.00091	J	0.0028	U	0.058		0.0301		0.00742	U	0.0412	J	0.000461	U	0.000500	J	0.00130
LM No. 2		U	6.1	J	0.0165	U	0.0012			J	0.00100	U	0.0020	U	0.058		0.0284	J	0.00135	U	0.0412	J	0.000590	U	0.000500	J	0.00351
LM No. 2 (rerun)										U	0.00091																
November 9, 2019	0.00																										
002			10.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0230	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			31.0	J	0.0267	U	0.0012			J	0.00100	U	0.0020	U	0.058		0.0280	J	0.00297	U	0.0412	J	0.000447	U	0.000500	J	0.00365
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		U	6.1		0.0384	J	0.0050			J	0.00110	U	0.0020	U	0.058		0.0280	J	0.00086	U	0.0412	J	0.000501	U	0.000500	J	0.00293
CP MH SS 1003 (rerun)										U	0.00091																
LM No. 2		U	12.0	J	0.0192	U	0.0012			U	0.00091	J	0.0038	U	0.058		0.0268	J	0.00116	U	0.0412	U	0.000400	U	0.000500	J	0.00186
LM No. 2 (rerun)		U	6.1																								
November 10, 2019	0.00																										
002		U	9.3	J	0.0640	U	0.0020			U	0.00091		0.0120		0.130		0.0240	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.00900
BF D MH SS 2316		U	6.1		0.0583	U	0.0012			J	0.00180	J	0.0028	U	0.058		0.0264	J	0.00252	U	0.0412	J	0.000432	U	0.000500	J	0.00546
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	7.8	J	0.0154	U	0.0012			J	0.00100	J	0.0040	U	0.058		0.0269	J	0.00091	U	0.0412	J	0.000564	U	0.000500	J	0.00329
CP MH SS 1003 (rerun)						U	0.0012			U	0.00091																
LM No. 2		J	7.8	J	0.0101	U	0.0012			J	0.00140	J	0.0023	U	0.058		0.0263	J	0.00149	U	0.0412	U	0.000400	U	0.000500	J	0.00220
LM No. 2 (rerun)						U	0.0012			U	0.00091																
November 11, 2019	0.02																										
002			13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316			26.0	J	0.0238	J	0.0044			J	0.00110	U	0.0020	U	0.058		0.0310		0.00593	U	0.0412	J	0.000575	U	0.000500	J	0.00424
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	9.8	J	0.0208	J	0.0014			J	0.00100		0.0130	U	0.058		0.0343		0.01190	U	0.0412	J	0.000788	U	0.000500	J	0.00657
LM No. 2		U	6.1	J	0.0179	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0307		0.00632	U	0.0412	J	0.000851	U	0.000500	J	0.00597
November 12, 2019	0.36																										
002			12.0	U	0.0540	U	0.0020			U	0.00091	J	0.0068		0.140		0.0270	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.00840
BF D MH SS 2316		J	9.8	J	0.0308	J	0.0034			U	0.00091	U	0.0020	U	0.058		0.0341		0.01200	U	0.0412	J	0.000794	U	0.000500	J	0.00659
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	9.8		0.0412	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0294		0.00590	U	0.0412	J	0.001280	U	0.000500	J	0.00631
LM No. 2		U	6.1	J	0.0215	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0278		0.00584	U	0.0412	J	0.000921	U	0.000500	J	0.00499

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 13, 2019	0.00																										
002		U	9.3	U	0.0540	J	0.0024			U	0.00091	U	0.0060		0.140		0.0280	J	0.00460	U	0.0120	U	0.003300	U	0.000053	J	0.01200
002 (rerun 1)						U	0.0020																				
002 (rerun 2)						U	0.0020																				
BF D MH SS 2316		U	6.1		0.0361	J	0.0027			U	0.00091	U	0.0020	U	0.058		0.0297		0.01400	U	0.0412	J	0.000615	U	0.000500	J	0.00420
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		U	6.1		0.0421	J	0.0013			J	0.00130	J	0.0046	U	0.058		0.0362		0.00704	U	0.0412	J	0.000574	U	0.000500	J	0.00361
LM No. 2		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0291		0.00858	U	0.0412	J	0.000623	U	0.000500	J	0.00311
November 14, 2019	0.00																										
002			12.0	J	0.0690	U	0.0020			U	0.00091	U	0.0060		0.140		0.0270	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00810
BF D MH SS 2316		J	12.0	J	0.0103	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0272		0.00964	U	0.0412	U	0.000400	U	0.000500	J	0.00331
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0310		0.00690	U	0.0412	J	0.000468	U	0.000500	J	0.00359
LM No. 2		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0260		0.01040	U	0.0412	U	0.000400	U	0.000500	J	0.00261
November 15, 2019	0.00																										
002			13.0		0.1200	U	0.0020			U	0.00091	J	0.0072		0.130		0.0280	J	0.00450	U	0.0120	U	0.003300	U	0.000053	J	0.00880
BF D MH SS 2316		U	6..1	U	0.0098	U	0.0012			U	0.00091		0.0078	U	0.058		0.0267		0.01120	U	0.0412	J	0.000671	U	0.000500	J	0.00561
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		U	6.1	J	0.0279	U	0.0012			U	0.00091	J	0.0033	U	0.058		0.0256	J	0.00444	U	0.0412	U	0.000400	U	0.000500	J	0.00248
LM No. 2		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0265		0.01310	U	0.0412	U	0.000400	U	0.000500	J	0.00346
November 16, 2019	0.00																										
002		J	9.7	J	0.0880	U	0.0020			U	0.00091	J	0.0098		0.130		0.0260	J	0.00440	U	0.0120	U	0.003300	U	0.000053	J	0.00740
BF D MH SS 2316		J	14.0	J	0.0098	U	0.0012			U	0.00091	J	0.0057	U	0.058		0.0240		0.00988	U	0.0412	J	0.000452	U	0.000500	J	0.00579
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	18.0		0.0429	U	0.0012			U	0.00091		0.0160	U	0.058		0.0241		0.00623	U	0.0412	U	0.000400	U	0.000500	J	0.00341
LM No. 2		J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0058	U	0.058		0.0234		0.01200	U	0.0412	J	0.000414	U	0.000500	J	0.00292
November 17, 2019	0.00																										
002			15.0	J	0.0960	U	0.0020			U	0.00091		0.0150		0.130		0.0270	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0239		0.01290	U	0.0412	U	0.000400	U	0.000500	J	0.00462
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	12.0	U	0.0098	U	0.0012			U	0.00091		0.0130	U	0.058		0.0232		0.00641	U	0.0412	U	0.000400	U	0.000500	J	0.00130
LM No. 2		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0237		0.00619	U	0.0412	U	0.000400	U	0.000500	J	0.00266
November 18, 2019	0.02																										
002		U	9.3	J	0.0750	U	0.0020			U	0.00091	U	0.0060		0.130		0.0210	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.8	J	0.0098	J	0.0016			U	0.00091	U	0.0020	U	0.058		0.0263		0.00831	U	0.0412	U	0.000400	U	0.000500	J	0.00334
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	7.8		0.1950	J	0.0016			U	0.00091	J	0.0039	U	0.058		0.0257		0.00637	U	0.0412	U	0.000400	U	0.000500	J	0.00218
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0335		0.00546	U	0.0412	U	0.000400	U	0.000500	J	0.00313

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Amendola Engineering, Inc.

October 11, 2021

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Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 19, 2019	0.00																										
002			12.0	J	0.0740	U	0.0020	U	0.0011	U	0.00091	U	0.0060		0.130		0.0260	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0299		0.01160	U	0.0412	U	0.000400	U	0.000500	J	0.00428
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1003		J	18.0	J	0.0284	J	0.0014			U	0.00091	U	0.0020	U	0.058		0.0281		0.00880	U	0.0412	U	0.000400	U	0.000500	J	0.00339
LM No. 2		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0317		0.01650	U	0.0412	U	0.000400	U	0.000500	J	0.00583
LM No. 2 (rerun)																	0.0216		0.00794			U	0.000400	U	0.000500	J	0.00286
November 20, 2019	0.04																										
002			14.0	J	0.0590	U	0.0020	U	0.0011	U	0.00091		0.0150		0.140		0.0260	J	0.00590		0.0130	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	16.0	J	0.0303	J	0.0015			J	0.00100	U	0.0020	U	0.058		0.0248		0.00819	U	0.0412	U	0.000400	U	0.000500	J	0.00341
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1015		J	14.0		0.0653	J	0.0034			J	0.00180		0.0094	U	0.058		0.0332		0.00688	U	0.0412	U	0.000400	U	0.000500	J	0.00219
LM No. 2		J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0023	U	0.058		0.0284		0.00802	U	0.0412	U	0.000400	U	0.000500	J	0.00240
November 21, 2019	0.14																										
002 (Microbac composite)		U	9.3	J	0.0840	U	0.0020	U	0.0011	U	0.00091	U	0.0060		0.140		0.0280	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	J	0.0173	U	0.0012			J	0.00150	J	0.0058	U	0.058		0.0342		0.01060	U	0.0412	U	0.000400	U	0.000500	J	0.00328
BF C MH SS 2816			36.0	J	0.0102	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0301		0.01230	U	0.0412	J	0.000443	U	0.000500	J	0.00360
CP MH SS 1015		J	14.0	J	0.0313	J	0.0015			U	0.00091	U	0.0020	U	0.058		0.0355		0.01250	U	0.0412	J	0.000916	U	0.000500	J	0.00559
LM No. 2 (ALS composite)		J	9.8	J	0.0163	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0324		0.00695	U	0.0412	U	0.000400	U	0.000500	J	0.00264
November 22, 2019	0.34																										
002 (Microbac composite)		U	9.3	U	0.0540	U	0.0020			U	0.00091	J	0.0096		0.140		0.0300	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00910
BF D MH SS 2316		U	12.0		0.0364	U	0.0012			J	0.00140	J	0.0037	J	0.060		0.0320		0.01150	U	0.0412	J	0.000467	U	0.000500	J	0.00371
BF D MH SS 2316 (rerun)		J	9.8																								
BF C MH SS 2816		J	14.0		0.0407	U	0.0012			U	0.00091	J	0.0046	U	0.058		0.0277		0.01820	U	0.0412	J	0.000778	U	0.000500	J	0.00575
CP MH SS 1015		J	12.0		0.0374	J	0.0028			U	0.00091		0.0150	J	0.060		0.0279		0.01680	U	0.0412	J	0.000457	U	0.000500	J	0.00352
LM No. 2 (ALS composite)		J	9.8	J	0.0203	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0272		0.00725	U	0.0412	U	0.000400	U	0.000500	J	0.00280
November 23, 2019	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	J	0.0084		0.130		0.0270	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00850
BF D MH SS 2316		J	20.0	J	0.0236	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0256		0.01340	U	0.0412	J	0.000817	U	0.000500	J	0.00308
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			J	0.00140	U	0.0020	U	0.058		0.0246		0.00714	U	0.0412	U	0.000400	U	0.000500	J	0.00214
CP MH SS 1015		U	6.1	J	0.0162		0.0150				0.01500	J	0.0056	J	0.080		0.0265	J	0.00496	U	0.0412	J	0.000469	U	0.000500	J	0.00301
LM No. 2		U	6.1		0.0346	U	0.0012			J	0.00130	U	0.0020	U	0.058		0.0255		0.00697	U	0.0412	U	0.000400	U	0.000500	J	0.00275
November 24, 2019	0.00																										
002		U	9.3	J	0.0870	U	0.0020			U	0.00091	U	0.0060		0.120		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			J	0.00120		0.0074	U	0.058		0.0280		0.01090	U	0.0412	U	0.000400	U	0.000053	J	0.00338
BF C MH SS 2816		J	20.0	U	0.0020	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0214		0.01060	U	0.0412	U	0.000400	U	0.000053	J	0.00256
CP MH SS 1015		J	7.8	J	0.0291		0.0059				0.00240	J	0.0023	U	0.058		0.0239		0.01140	U	0.0412	U	0.000400	U	0.000053	J	0.00205
LM No. 2		J	9.8	U	0.0098	U	0.0012			U	0.00091	J	0.0054	U	0.058		0.0262		0.00796	U	0.0412	U	0.000400	U	0.000053	J	0.00258

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 25, 2019	0.00																										
002 (Microbac composite)		U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	16.0	J	0.0116	J	0.0014				0.00360	U	0.0020	U	0.058		0.0243		0.00897	U	0.0412	U	0.000400	U	0.000500	J	0.00336
BF C MH SS 2816		J	7.8	J	0.0153	U	0.0120			U	0.00091	U	0.0020	U	0.058		0.0219		0.01070	U	0.0412	U	0.000400	U	0.000500	J	0.00250
CP MH SS 1015		J	7.8		0.1540	J	0.0022				0.00350		0.0120	J	0.060		0.0231		0.00608	U	0.0412	U	0.000400	U	0.000500	J	0.00343
LM No. 2 (ALS Composite)		J	12.0		0.0336	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0222		0.00649	U	0.0412	U	0.000400	U	0.000500	J	0.00277
November 26, 2019	0.00																										
002		U	9.3	J	0.0680	U	0.0020			U	0.00091	U	0.0060		0.160		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316			22.0		0.0571	J	0.0019			U	0.00091	U	0.0025	U	0.058	B	0.0336		0.00561	U	0.0412	U	0.000400	U	0.000500	J	0.00183
BF C MH SS 2816		U	6.1		0.0630	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0253		0.00623	U	0.0412	U	0.000400	U	0.000500	J	0.00480
CP MH SS 1015		J	7.8		0.0815	J	0.0038			U	0.00091	J	0.0049	J	0.060	B	0.0313	J	0.00140	U	0.0412	U	0.000400	U	0.000500	J	0.00271
LM No. 2		U	6.1		0.0417	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0262	J	0.00457	U	0.0412	U	0.000400	U	0.000500	J	0.00422
November 27, 2019	0.35																										
002			15.0	J	0.0920	U	0.0020			U	0.00091		0.0120		0.160		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00800
BF D MH SS 2316		J	7.8		0.0538	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0261		0.01140	U	0.0412	J	0.000447	U	0.000500	J	0.00396
BF C MH SS 2816		J	7.8		0.0394	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0218		0.00831	U	0.0412	J	0.000426	U	0.000500	J	0.00243
CP MH SS 1015		J	16.0		0.0529	J	0.0037			J	0.00150	J	0.0031	J	0.060	B	0.0135		0.00771	U	0.0412	U	0.000400	U	0.000500	J	0.00220
LM No. 2		U	6.1	J	0.0241	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0229		0.01040	U	0.0412	U	0.000400	U	0.000500	J	0.00287
November 28, 2019	0.00																										
002			17.0	J	0.0920	U	0.0020			U	0.00091	U	0.0060		0.160		0.0290	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00790
BF D MH SS 2316		J	9.8		0.0504	U	0.0012			U	0.00091	sample broken		U	0.058	B	0.0234		0.00522	U	0.0412	J	0.000475	U	0.000500	J	0.00360
BF C MH SS 2816		J	16.0		0.0382	U	0.0012			sample broken			0.0065	U	0.058	B	0.0219	J	0.00493	U	0.0412	U	0.000400	U	0.000500	J	0.00132
CP MH SS 1015		J	9.8		0.0467	U	0.0012			U	0.00091		0.0110	J	0.060	B	0.0235	J	0.00328	U	0.0412	U	0.000400	U	0.000500	J	0.00252
LM No. 2		J	12.0		0.0364	U	0.0012			U	0.00091		0.0078	U	0.058	B	0.0235		0.01200	U	0.0412	J	0.000513	U	0.000500		0.05460
November 29, 2019	0.00																										
002			13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00760
BF D MH SS 2316			24.0		0.0506	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285		0.01130	U	0.0412	U	0.000400	U	0.000500	J	0.00527
BF C MH SS 2816		J	9.8		0.0495	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0237		0.00885	U	0.0412	J	0.000478	U	0.000500	J	0.00625
CP MH SS 1015		J	9.8		0.0668	J	0.0023			U	0.00091	U	0.0025	J	0.060		0.0289		0.01030	U	0.0412	J	0.000651	U	0.000500	J	0.00793
LM No. 2		J	16.0		0.0401	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.00662	U	0.0412	U	0.000400	U	0.000500	J	0.00957
November 30, 2019	0.02																										
002			14.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00900
BF D MH SS 2316		J	7.8		0.0456	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0230		0.00797	U	0.0412	U	0.000400	U	0.000500	J	0.00363
BF C MH SS 2816		U	6.1		0.0468	U	0.0012			U	0.0009	U	0.0025	U	0.058		0.0221		0.00568	U	0.0412	U	0.000400	U	0.000500	J	0.00326
CP MH SS 1015		J	9.8		0.0480	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0222		0.00545	U	0.0412	J	0.000550	U	0.000500	J	0.00729
LM No. 2		J	7.8		0.0421	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0221	J	0.00458	U	0.0412	J	0.000550	U	0.000500	J	0.00522
December 1, 2019	0.25																										
002			12.0		0.1100	U	0.0020			U	0.00091	U	0.0060		0.140		0.0280	J	0.00560	J	0.0180	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	12.0		0.0480	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0221		0.00765	U	0.0412	U	0.000400	U	0.000500	J	0.00398
BF C MH SS 2816		J	12.0		0.0471	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0203		0.00808	U	0.0412	U	0.000400	U	0.000500	J	0.00365
CP MH SS 1015		J	12.0	J	0.0313	J	0.0031			U	0.00091	U	0.0025	U	0.058		0.0222		0.00851	U	0.0412	U	0.000400	U	0.000500	J	0.00334
LM No. 2		J	7.8		0.0443	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0202	J	0.00396	U	0.0412	U	0.000400	U	0.000500	J	0.00304

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
December 2, 2019	0.24																										
002			12.0	J	0.0820	U	0.0020			U	0.00091	U	0.0060		0.150		0.0270	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	12.0		0.0431	J	0.0014			J	0.00110	U	0.0025	U	0.058		0.0274		0.00756	U	0.0412	U	0.000400	U	0.000500	J	0.00381
BF D MH SS 2316 (rerun)						U	0.0012			U	0.00091															
BF C MH SS 2816		J	12.0		0.0445	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0238		0.00795	U	0.0412	U	0.000400	U	0.000500	J	0.00316
BF C MH SS 2816 (rerun)						U	0.0012																				
CP MH SS 1015		J	16.0		0.0383		0.0100				0.00720	U	0.0025	U	0.058		0.0249		0.01370	U	0.0412	U	0.000400	U	0.000500	J	0.00280
CP MH SS 1015 (rerun)						J	0.0032				0.00750																
LM No. 2		J	14.0		0.0358	J	0.0015			U	0.00091	U	0.0025	U	0.058		0.0245		0.00787	U	0.0412	J	0.000450	U	0.000500	J	0.00364
LM No. 2 (rerun)						U	0.0012																				
December 3, 2019	0.00																										
002			12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0350	J	0.00400	U	0.0120	U	0.003300	U	0.000053	J	0.00850
BF D MH SS 2316		J	9.8		0.0432	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0292		0.00505	U	0.0412	U	0.000400	U	0.000500	J	0.00398
BF C MH SS 2816		J	14.0		0.0377		0.0093				0.00670	U	0.0025	U	0.058		0.0245		0.00655	U	0.0412	J	0.000447	U	0.000500	J	0.00745
CP MH SS 1015		J	12.0		0.0365	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0204		0.00565	U	0.0412	J	0.000447	U	0.000500	J	0.00447
LM No. 2		J	9.8		0.0420	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0211		0.00867	U	0.0412	U	0.000400	U	0.000500	J	0.00305
December 4, 2019	0.00																										
002			16.0	J	0.0790	U	0.0020			U	0.00091	U	0.0060		0.130		0.0300	J	0.00460	U	0.0120	U	0.003300	U	0.000053	J	0.00980
BF D MH SS 2316		J	20.0	U	0.0098	J	0.0035			U	0.00091	U	0.0025	U	0.058		0.0225		0.01020	U	0.0412	J	0.000568	U	0.000500		0.01030
BF C MH SS 2816		J	16.0	U	0.0098	J	0,0022			U	0.00091	U	0.0025	U	0.058		0.0226		0.01870	U	0.0412	J	0.000508	U	0.000500	J	0.00503
CP MH SS 1015		J	14.0	J	0.0099		0.0056			J	0.00097	U	0.0025	U	0.058		0.0215		0.00633	U	0.0412	J	0.000403	U	0.000500	J	0.00654
LM No. 2		J	18.0	U	0.0098	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0222		0.00615	U	0.0412	J	0.000420	U	0.000500		0.01140
December 5, 2019	0.00																										
002		U	9.3		0.1600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0		0.0377	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0230		0.00871	U	0.0412	U	0.000400	U	0.000500	J	0.00590
BF C MH SS 2816			24.0	J	0.0318	J	0.0012			U	0.00091	U	0.0025	U	0.058		0.0259		0.01060	U	0.0412	J	0.001820	U	0.000500	J	0.00968
CP MH SS 1015		J	14.0		0.0492	J	0.0048				0.00250	J	0.0056	U	0.058		0.0217		0.00649	U	0.0412	U	0.000400	U	0.000500	J	0.00483
LM No. 2		J	14.0	J	0.0250	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0221		0.00571	U	0.0412	U	0.000400	U	0.000500	J	0.00509
December 6, 2019	0.00																										
002			13.0	U	0.0540	U	0.0020			U	0.00091		0.0120		0.130		0.0270	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0253	J	0.0016			J	0.00180	U	0.0025	U	0.058		0.0320	J	0.00226	U	0.0412	U	0.000400	U	0.000500	J	0.00159
BF C MH SS 2816		J	12.0	J	0.0236	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0236	J	0.00332	U	0.0412	U	0.000400	U	0.000500	J	0.00173
CP MH SS 1015		J	18.0		0.0482	J	0.0016			J	0.00180	J	0.0027	U	0.058		0.0262	J	0.00086	U	0.0412	U	0.000400	U	0.000500	J	0.00224
LM No. 2		J	14.0	J	0.0268	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249	J	0.00095	U	0.0412	U	0.000400	U	0.000500	J	0.00244
December 7, 2019	0.00																										
002		J	9.6	U	0.0540	U	0.0020			U	0.00091		0.0260		0.130		0.0250	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00730
BF D MH SS 2316		J	14.0	J	0.0284	J	0.0020				0.00220	J	0.0030	U	0.058		0.0203		0.00574	U	0.0412	U	0.000400	U	0.000500	J	0.00285
BF C MH SS 2816		J	18.0	J	0.0252	U	0.0012			J	0.00140	U	0.0025	U	0.058		0.0211	J	0.00463	U	0.0412	J	0.000576	U	0.000500	J	0.00281
CP MH SS 1015		J	12.0	J	0.0261	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0199	J	0.00284	U	0.0412	U	0.000400	U	0.000500	J	0.00207
LM No. 2		J	16.0	J	0.0219	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0204	U	0.00060	U	0.0412	U	0.000400	U	0.000500	J	0.00150

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
December 8, 2019	0.00																										
002			10.0	U	0.0540	U	0.0020			U	0.00091		0.0160		0.130		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	18.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0219		0.00610	U	0.0412	U	0.000400	U	0.000500	J	0.00245
BF C MH SS 2816		J	20.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0206		0.00927	U	0.0412	U	0.000400	U	0.000500	J	0.00286
CP MH SS 1015		J	18.0	U	0.0098	J	0.0031				0.00320	J	0.0028	U	0.058		0.0216		0.01080	U	0.0412	U	0.000400	U	0.000500	J	0.00614
LM No. 2		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0213		0.00731	U	0.0412	U	0.000400	U	0.000500	J	0.00178
December 9, 2019	0.40																										
002			11.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00760
BF D MH SS 2316			22.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0246		0.00931	U	0.0412	U	0.000400	U	0.000500	J	0.00803
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0240		0.00595	U	0.0412	U	0.000400	U	0.000500	J	0.00197
CP MH SS 1015			24.0	U	0.0098		0.0096				0.00970	J	0.0035	U	0.058		0.0240		0.00501	U	0.0412	U	0.000400	U	0.000500	J	0.00980
LM No. 2		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0244	J	0.00419	U	0.0412	U	0.000400	U	0.000500	J	0.00540
December 10, 2019	0.00																										
002		U	9.3	J	0.0750	J	0.0026			U	0.00091	U	0.0060		0.120		0.0250	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00740
BF D MH SS 2316		J	14.0		0.0355	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0280		0.01840	U	0.0412	U	0.000400	U	0.000500	J	0.00541
BF C MH SS 2816		J	14.0		0.0419	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268		0.00844	U	0.0412	U	0.000400	U	0.000500	J	0.00325
CP MH SS 1015		J	14.0		0.0573		0.0430				0.04100		0.0066	U	0.058		0.0280		0.01840	U	0.0412	U	0.000400	U	0.000500	J	0.00541
CP MH SS 1015 (rerun)																	0.0391	J	0.00382			U	0.000400	U	0.000500	J	0.00278
LM No. 2		J	14.0		0.0424	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0267	J	0.00232	U	0.0412	U	0.000400	U	0.000500	J	0.00367
December 11, 2019	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	J	0.0076		0.120		0.0290	J	0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	12.0		0.0374	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00485	U	0.0412	J	0.000359	U	0.000260	J	0.00503
BF C MH SS 2816		J	14.0		0.0344	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0291		0.00577	U	0.0412	J	0.000322	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0		0.0407	U	0.0012			J	0.00190	U	0.0025	U	0.058		0.0403	J	0.00286	U	0.0412	J	0.000460	U	0.000260	U	0.00470
LM No. 2		J	14.0		0.0409	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0302	J	0.00238	U	0.0412	J	0.000319	U	0.000260	U	0.00470
December 12, 2019	0.00																										
002		U	9.3	J	0.0970	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.00770
BF D MH SS 2316		J	7.8		0.0338	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00420	J	0.0549	J	0.000230	U	0.000260	J	0.00517
BF C MH SS 2816		J	7.8		0.0327	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0261		0.00534	U	0.0470	U	0.000220	U	0.000260	J	0.00517
CP MH SS 1015		J	12.0		0.0573	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0226	J	0.00239	J	0.0788	J	0.000279	U	0.000260	U	0.00470
LM No. 2		J	7.8		0.0036	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0283	J	0.00232		0.0863	J	0.000320	U	0.000260	U	0.00470
December 13, 2019	0.00																										
002		U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00500	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.8		0.0364	U	0.0012			U	0.00091	J	0.0026	U	0.058		0.0242	J	0.00357	U	0.0470	U	0.000220	U	0.000260	J	0.00478
BF C MH SS 2816		J	9.8	J	0.0282	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0216	J	0.00414	U	0.0470	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0		0.0470	U	0.0012			J	0.00140	J	0.0060	U	0.058		0.0258	J	0.00197	U	0.0470	U	0.000220	U	0.000260	J	0.00586
LM No. 2		J	9.8		0.0365	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0237	J	0.00117	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 14, 2019	0.00																										
002			11.0	J	0.0600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0		0.0494	U	0.0012			U	0.00091	J	0.0029	U	0.058		0.0212	J	0.00351	J	0.0794	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	14.0		0.0383	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0217	J	0.00403	J	0.0604	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	16.0		0.0357	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0233	U	0.00130	J	0.0606	U	0.000220	U	0.000260	J	0.00522
LM No. 2		J	16.0	J	0.0307	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0218	U	0.00130	J	0.0533	U	0.000220	U	0.000260	J	0.00593

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
December 15, 2019	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0		0.0377	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0362	J	0.00319		0.0935	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0		0.0437	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0240		0.00540		0.0923	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	20.0	J	0.0163	U	0.0012				0.00370	J	0.0041	U	0.058		0.0269	U	0.00130		0.1040	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	12.0		0.0350	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268	J	0.00188		0.0910	U	0.000220	U	0.000260	U	0.00470
December 16, 2019	0.00																										
002			14.0	J	0.0690	U	0.0020			U	0.00091	U	0.0060		0.120		0.0500	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00750
BF D MH SS 2316		J	12.0		0.0377	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.2120	J	0.00282	J	0.0523	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	16.0	J	0.0319	U	0.0012			J	0.00150	U	0.0025	U	0.058		0.0298	J	0.00425	J	0.0743	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0		0.0367	U	0.0012			J	0.00150	U	0.0025	U	0.058		0.0318	U	0.00130	J	0.0666	U	0.000220	U	0.000260	U	0.00470
LM No. 2			24.0		0.0338	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0308	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 17, 2019	0.00																										
002			15.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	16.0		0.0365	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0375	J	0.00260		0.1120	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	14.0		0.0387	U	0.0012			U	0.00091	J	0.0025	U	0.058		0.0318	J	0.00433		0.0993	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	18.0	J	0.0254		0.0071				0.01400	J	0.0053	U	0.058		0.0342	U	0.00130		0.1610	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	16.0		0.0334	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0327	U	0.00130	J	0.0582	U	0.000220	U	0.000260	U	0.00470
December 18, 2019	0.00																										
002			11.0	U	0.0540	U	0.0020			J	0.00120	U	0.0060		0.130		0.0300	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00930
BF D MH SS 2316		J	14.0	J	0.0111	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0373	J	0.00297		0.1060	J	0.000231	U	0.000260	U	0.00470
BF C MH SS 2816		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0369		0.00512		0.3500	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	18.0	J	0.0168	U	0.0012			J	0.00130	J	0.0052	U	0.058		0.0492	J	0.00222		0.2370	J	0.000400	U	0.000260	U	0.00470
LM No. 2		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0342	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 19, 2019	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00246	J	0.0559	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	J	0.0228	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00401		0.0863	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0	J	0.0142	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0364	U	0.00130		0.1300	J	0.000265	U	0.000260	U	0.00470
LM No. 2		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0316	U	0.00130	J	0.0547	J	0.000265	U	0.000260	U	0.00470
December 20, 2019	0.00																										
002		U	9.3	U	0.0540	J	0.0020			U	0.00091	U	0.0060		0.120		0.0250	J	0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.00820
BF D MH SS 2316		J	14.0	J	0.0128	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0347	J	0.00242	J	0.0633	J	0.000287	U	0.000260	U	0.00470
BF C MH SS 2816		J	9.8	U	0.0098	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0291	J	0.00405	J	0.0728	J	0.000224	U	0.000260	U	0.00470
CP MH SS 1015		J	9.8		0.0329	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0311	U	0.00130		0.0905	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130	J	0.0627	J	0.000226	U	0.000260	U	0.00470
December 21, 2019	0.00																										
002			11.0	J	0.0580	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00740
BF D MH SS 2316		J	9.8	J	0.0104	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0286	J	0.00216	J	0.0590	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	9.8	J	0.0101	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00362	U	0.0470	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0		0.0373	U	0.0012			U	0.00091	J	0.0061	U	0.058		0.0301	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	J	0.0148	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0290	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
December 22, 2019	0.00																										
002			11.0	J	0.0630	J	0.0028			U	0.00091	U	0.0060		0.120		0.0250	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00223	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0298	J	0.00383	U	0.0470	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0		0.0808	U	0.0012			U	0.00091		0.0110	U	0.058		0.0276	U	0.00130		0.0855	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0332	U	0.00130	J	0.0493	J	0.000228	U	0.000260	U	0.00470
December 23, 2019	0.00																										
002		U	9.3		0.2600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00740
BF D MH SS 2316		U	6.1	J	0.0109	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0298	J	0.00279	J	0.0478	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.1870	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0332	J	0.00404		0.1750	J	0.000547	U	0.000260	U	0.00470
CP MH SS 1015		J	18.0	J	0.0275	U	0.0012			U	0.00091	J	0.0032	U	0.058		0.0310	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130	J	0.0589	U	0.000220	U	0.000260	U	0.00470
December 24, 2019	0.00																										
002			13.0		0.2200	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00730
BF D MH SS 2316		U	6.1	J	0.0178	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0347	J	0.00245	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	J	0.0147	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0322	J	0.00393	J	0.0498	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0360	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	20.0	J	0.0215	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0327	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 25, 2019	0.00																										
002			12.0		0.1700	J	0.0040			U	0.00091	U	0.0060		0.150		0.0260	J	0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	20.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0262	J	0.00281		0.0817	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	14.0	J	0.0317	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0272		0.00504	J	0.0555	J	0.000233	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0	J	0.0102	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00388	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0273	J	0.00336	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 26, 2019	0.00																										
002			12.0	J	0.0680	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.00780
BF D MH SS 2316		U	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00412	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF D MH SS 2316 (rerun)		J	6.4																								
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0292		0.03670	U	0.0470	J	0.000962	U	0.000260		0.13100
CP MH SS 1015		J	10.0	U	0.0098	J	0.0037			J	0.00190	U	0.0025	U	0.058		0.0294	J	0.00416	U	0.0470	U	0.000220	U	0.000260	J	0.00542
LM No. 2		J	8.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00208	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 27, 2019	0.00																										
002			16.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.140		0.0280	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00890
BF D MH SS 2316		U	12.0	J	0.0136	U	0.0012			J	0.00110	U	0.0025	U	0.058		0.0278		0.00621		0.2490	U	0.000220	U	0.000260	J	0.00577
BF D MH SS 2316 (rerun)		J	8.4																								
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0279		0.00629	U	0.0470	J	0.000274	U	0.000260	J	0.00526
CP MH SS 1015		U	6.1	U	0.0098	J	0.0013				0.00210	U	0.0025	U	0.058		0.0277	B	0.27400	U	0.0470	J	0.002040	U	0.000260		0.42600
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0315	J	0.00202	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 28, 2019	0.00																										
002			13.0	J	0.0650	U	0.0020			U	0.00091	U	0.0060		0.130		0.0270	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00950
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0273	J	0.00405	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.0578	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0262		0.00552	U	0.0470	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0262	J	0.00209	U	0.0470	U	0.000220	U	0.000260	J	0.00598
LM No. 2		J	10.0	U	0.0098	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0262	J	0.00168	U	0.0470	U	0.000220	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
December 29, 2019	0.55																										
002			19.0		invalid result	J	0.0034			U	0.00091	U	0.0060		0.130		0.0280	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.01200
002 (rerun)				U	0.0540	U	0.0020																				
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276	J	0.00388	J	0.0578	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0250	U	0.058		0.0266		0.06700	U	0.0470	J	0.001320	U	0.000260		0.13100
CP MH SS 1015		U	6.1	U	0.0098		0.0064			U	0.00460	U	0.0025	U	0.058		0.0268	J	0.00236	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266	J	0.00338	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 30, 2019	0.75																										
002			12.0	J	0.0620	U	0.0020			U	0.00091	U	0.0060		0.130		0.0280	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	10.0	J	0.0213	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00362	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.4	J	0.0182	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0243		0.00545	J	0.0537	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4	J	0.0159	J	0.0022			J	0.00170	U	0.0025	U	0.058		0.0249		0.00850	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	J	0.0104	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247	J	0.00173	U	0.0470	U	0.000220	U	0.000260	U	0.00470
December 31, 2019	0.00																										
002			16.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0250	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00870
BF D MH SS 2316		J	6.4	J	0.0184	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0328	J	0.00268	J	0.0532	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0203	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0258		0.00571		0.2480	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0180	J	0.0036			U	0.00091	U	0.0025	U	0.058		0.0272	U	0.00130	J	0.0619	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	6.4	J	0.0120	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0263	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
January 1, 2020	0.00																										
002			11.0	J	0.0750	U	0.0020			J	0.00200	J	0.0076		0.140		0.0270	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		U	6.1	J	0.0162	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0242	J	0.00261	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.4	J	0.0168	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0298	J	0.00438	J	0.0581	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4	J	0.0126	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0242	U	0.00130	J	0.0757	U	0.000220	U	0.000260	J	0.00536
LM No. 2		J	6.4	J	0.0106	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0250	U	0.00130	J	0.0757	U	0.000220	U	0.000260	J	0.00536
January 2, 2020	0.00																										
002			15.0	J	0.0700	U	0.0020			U	0.00091		0.0150		0.140		0.0300	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00850
BF D MH SS 2316		J	8.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0322	J	0.00139	J	0.0588	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	10.0		0.0535	U	0.0120			U	0.00180	U	0.0025	U	0.058		0.0295	J	0.00367	J	0.0733	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	6.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0311	U	0.00130		0.1200	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00180	J	0.0038	U	0.058		0.0300	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
January 3, 2020	0.00																										
002			12.0	J	0.0680	U	0.0020			U	0.00091	J	0.0098		0.130		0.0250	J	0.00460	U	0.0120	U	0.003300	U	0.000053	J	0.00860
BF D MH SS 2316		J	6.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247	J	0.00299	J	0.0501	J	0.000448	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.4	U	0.0098	U	0.0012			U	0.00180	J	0.0050	U	0.058		0.0258	J	0.00487	U	0.0470	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0291	U	0.0012			U	0.00091		0.0067	U	0.058		0.0260		0.02980	U	0.0470	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0043	U	0.058		0.0249	U	0.00130	J	0.0603	U	0.000220	U	0.000260	U	0.00470
January 4, 2020	0.80																										
002			14.0	U	0.0540	U	0.0020			U	0.00091		0.0110		0.140		0.0240	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00830
BF D MH SS 2316		J	16.0	J	0.0101	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0255		0.00600		0.8010	J	0.000823	U	0.000260	J	0.00643
BF C MH SS 2816		J	8.4	J	0.0188	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0271	J	0.00476	J	0.0790	U	0.000220	U	0.000260	U	0.00447
CP MH SS 1015		J	12.0	J	0.0144	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0263	J	0.00144		0.1560	J	0.000473	U	0.000260	U	0.00447
LM No. 2		U	6.1	J	0.0157	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0256	U	0.00130		0.0853	U	0.000220	U	0.000260	U	0.00447

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
January 5, 2020	0.00																										
002			19.0	U	0.0540	U	0.0020			U	0.00091		0.0068		0.140		0.0250	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	8.4	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0266	J	0.00279	J	0.0602	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0261	J	0.00453		0.1300	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276	U	0.00130		0.2230	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0268	U	0.00130		0.1000	U	0.000220	U	0.000260	U	0.00470
January 6, 2020	0.00																										
002		J	9.6	U	0.0540	U	0.0020			U	0.00091	J	0.0092		0.130		0.0250	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00760
BF D MH SS 2316		J	6.4	J	0.0216	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0353	J	0.00196	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.4	J	0.0112		0.0980			U	0.00091	U	0.0025	U	0.058		0.0314	J	0.00384	J	0.0500	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4	J	0.0202	J	0.0038				0.00310	U	0.0025	U	0.058		0.0331	U	0.00130	J	0.0471	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	8.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0319	U	0.00130		0.1680	U	0.000220	U	0.000260	U	0.00470
January 7, 2020	0.00																										
002			13.0		0.1100	U	0.0020			U	0.00091		0.0140		0.140		0.0270	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00810
BF D MH SS 2316		U	6.1	J	0.0178	J 1	0.0021			J	0.00120	U	0.0025	U	0.058		0.0375	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0314	J 1	0.0019			U	0.00091	U	0.0025	U	0.058		0.0278	J	0.00362		0.0853	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	6.4	U	0.0098	1	0.0069				0.00450	U	0.0025	U	0.058		0.0305	U	0.00130		0.1240	J	0.000254	U	0.000260	U	0.00470
LM No. 2		J	6.4	J	0.0141	J 1	0.0036			J	0.00110	U	0.0025	U	0.058		0.0286	U	0.00130		0.1440	J	0.000289	U	0.000260	U	0.00470
January 8, 2020	0.00																										
002			63.0	J	0.0830	U	0.0020			U	0.00091	U	0.0060		0.150		0.0230	J	0.00490	J	0.0290	U	0.003300	U	0.000053	J	0.00750
BF D MH SS 2316		J	8.4	J	0.0133	1	0.0051			U	0.00091	U	0.0025	U	0.058		0.0294	J	0.00225	J	0.0674	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.4	J	0.0216	J 1	0.0031			U	0.00091	U	0.0025	U	0.058		0.0280	J	0.00430	J	0.0663	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1		0.0472	1	0.0100			U	0.00091	J	0.0035	U	0.058		0.0286	U	0.00130		0.0943	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	6.1	J	0.0149	J 1	0.0040			U	0.00091	U	0.0025	U	0.058		0.0279	U	0.00130	J	0.0491	U	0.000220	U	0.000260	U	0.00470
January 9, 2020	0.00																										
002			16.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00550	J	0.0190	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	12.0	J	0.0126	J 1	0.0031			U	0.00091	U	0.0025	U	0.058		0.0330		0.00585		0.1360	J	0.000371	U	0.000260	J	0.00681
BF C MH SS 2816		J	6.4	U	0.0098	J 1	0.0039			U	0.00091	U	0.0025	U	0.058		0.0269	J	0.00421	J	0.0684	U	0.000220	U	0.000260	J	0.00601
CP MH SS 1015		J	6.4		0.0683	1	0.0056			J	0.00120		0.0067	U	0.058		0.0287	U	0.00130	J	0.0734	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	16.0	U	0.0098	J 1	0.0037			U	0.00091	U	0.0025	U	0.058		0.0278	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
January 10, 2020	0.02																										
002			30.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00560	U	0.0120	J	0.004500	U	0.000053	J	0.00780
BF D MH SS 2316		J	6.4		0.0499	U	0.0012			J	0.00100	U	0.0025	U	0.058		0.0291	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0289	J	0.00208	U	0.0470	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	6.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0317	U	0.00130	J	0.0506	J	0.000312	U	0.000260	U	0.00470
LM No. 2		J	12.0		0.1340	U	0.0012			U	0.00091	U	0.0025		0.200		0.0289	U	0.00130	J	0.0610	U	0.000220	U	0.000260		0.01030
January 11, 2020	2.75																										
002			16.0	U	0.0540	U	0.0020			U	0.00091	J	0.0084		0.150		0.0250	J	0.00780	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	6.4	J	0.0218	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	U	0.00130		0.1370	J	0.000251	U	0.000260	U	0.00470
BF C MH SS 2816		J	10.0	J	0.0156	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0351	J	0.00262		0.3540	J	0.000584	U	0.000260	J	0.00718
CP MH SS 1015		J	12.0	J	0.0115	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	U	0.00130		0.4820	J	0.000733	U	0.000260	U	0.00470
LM No. 2		J	8.4	J	0.0180	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0364	U	0.00130		0.5990	J	0.000696	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
January 12, 2020	0.50																										
002			14.0		0.1300	U	0.0020			U	0.00091	J	0.0063		0.140		0.0250	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	6.4	J	0.0236	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0334	U	0.00130		0.3020	J	0.000398	U	0.000260	U	0.00470
BF C MH SS 2816		J	18.0	J	0.0212	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0321	J	0.00382		0.5840	J	0.000807	U	0.000260	J	0.00639
CP MH SS 1015		J	10.0	J	0.0117	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0347	U	0.00130		0.4800	J	0.000656	U	0.000260	U	0.00470
LM No. 2		J	10.0	J	0.0167	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0335	U	0.00130		0.5270	U	0.001300	U	0.000260	U	0.00470
January 13, 2020	0.00																										
002		U	9.3		0.1100	U	0.0020			U	0.00091		0.0170		0.130		0.0280	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00890
BF D MH SS 2316		J	14.0	J	0.0241	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0305	J	0.00192		0.1790	J	0.000406	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.4		0.1030	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00486		0.2830	J	0.000556	U	0.000260	U	0.00470
CP MH SS 1015		J	18.0	J	0.0246	U	0.0012				0.00230	U	0.0025	U	0.058		0.0296	U	0.00130		0.3130	J	0.000673	U	0.000260	U	0.00470
LM No. 2		J	14.0	J	0.0166	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	U	0.00130		0.1660	J	0.000381	U	0.000260	U	0.00470
January 14, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00180	U	0.0060		0.130		0.0280	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00930
BF D MH SS 2316		J	6.4	J	0.0180	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00318		0.2150	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.4		0.0339	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0298		0.00520		0.1370	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	J	0.0126	J	0.0032				0.00310	U	0.0025	U	0.058		0.0275	U	0.00130		0.1560	U	0.000220	U	0.000260	U	0.00470
LM No. 2		J	14.0	J	0.0174	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0297	U	0.00130		0.1520	U	0.000220	U	0.000260	U	0.00470
January 15, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00850
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00231		0.1440	J	0.000222	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0187	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00394		0.1490	J	0.000231	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4	J	0.0172	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00131		0.2160	J	0.000319	U	0.000260	U	0.00470
LM No. 2		U	6.1	J	0.0234	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	U	0.00130		0.2120	J	0.000282	U	0.000260	U	0.00470
January 16, 2020	0.00																										
002		U	9.3	J	0.0860	U	0.0020			U	0.00091	U	0.0060		0.150		0.0260	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00870
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00231		0.1440	J	0.000222	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.4	J	0.0264	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0255		0.00532		0.3200	J	0.000628	U	0.000260	U	0.00470
CP MH SS 1015		J	8.4		0.0332	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0273	J	0.00281		0.7090	J	0.001020	U	0.000260	J	0.00614
LM No. 2		J	8.4	J	0.0187	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0259	J	0.00199		0.5540	J	0.000843	U	0.000260	U	0.00470
January 17, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	18.0	J	0.0299	U	0.0012			U	0.00091	J	0.0026	U	0.058		0.0255		0.00784		1.3400	J	0.001890	U	0.000260		0.01200
BF C MH SS 2816		J	6.4	J	0.0278	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0246		0.00544		0.3380	J	0.000628	U	0.000260	U	0.00470
CP MH SS 1015		J	6.4	J	0.0200	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0246	J	0.00164		0.3130	J	0.000585	U	0.000260	U	0.00470
LM No. 2 (Microbac)		U	9.3									U	0.0060		0.200		0.0780	J	0.00230	U	0.0120	U	0.003300	U	0.000053	J	0.02000
LM No. 2 (ALS)		J	18.0	J	0.0147	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242	J	0.00145		0.4980	J	0.000705	U	0.000260	U	0.00470
January 18, 2020	0.00																										
002		U	9.3		0.1200	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00870
BF D MH SS 2316		J	12.0		0.0357	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248	J	0.00362		0.5160	J	0.000736	U	0.000260	U	0.00470
BF C MH SS 2816		J	14.0	J	0.0204	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0278		0.00584		0.3180	J	0.000632	U	0.000260	U	0.00470
CP MH SS 1015		J	16.0	J	0.0193	U	0.0012				0.00300	U	0.0025	U	0.058		0.0300	J	0.00163		0.3660	J	0.000745	U	0.000260	U	0.00470
LM No. 2		J	18.0	J	0.0241	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251	J	0.00151		0.5270	J	0.000613	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
January 19, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00770
BF D MH SS 2316		U	6.1	J	0.0282	U	0.0012			U	0.00091	U	0.0025		0.120		0.0275	J	0.00404		0.4960	J	0.000758	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.4	J	0.0181	U	0.0012			U	0.00091	U	0.0025		0.100		0.0267		0.00545		0.4510	J	0.000627	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0		0.0503	U	0.0012			U	0.00091	J	0.0026		0.130		0.0308	J	0.00192		0.4850	J	0.001850	U	0.000260	J	0.00517
LM No. 2		J	6.4	J	0.0158	U	0.0012			U	0.00091	U	0.0025		0.100		0.0258	J	0.00164		0.4670	J	0.000635	U	0.000260	U	0.00470
January 20, 2020	0.00																										
002		U	9.3		0.2300	U	0.0020			U	0.00091	U	0.0060		0.150		0.0300	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	6.2		0.0429	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276	U	0.00130		0.1990	J	0.000305	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.0693	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0261	J	0.00147		0.2770	J	0.000377	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0267	U	0.00130		0.2650	J	0.000295	U	0.000260	U	0.00470
LM No. 2		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0287	U	0.00130		0.1950	J	0.000331	U	0.000260	U	0.00470
January 21, 2020	0.00																										
002		U	9.3	J	0.0730	U	0.0020			U	0.00091	J	0.0062		0.140		0.0330	J	0.00660	U	0.0120	U	0.003300	U	0.000053	J	0.00940
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0013			J	0.00180	U	0.0025	J	0.090		0.0309	J	0.00256		0.1710	J	0.000321	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.0573	J	0.0012			J	0.00150	U	0.0025	J	0.080		0.0246	J	0.00421		0.1800	J	0.000296	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0314	J	0.0022			J	0.00180	J	0.0042	J	0.080		0.0253	U	0.00130		0.1860	J	0.000276	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0690	U	0.0020			U	0.00091	U	0.0060		0.140		0.0300	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 22, 2020	0.00																										
002			14.0	J	0.0810	U	0.0020			U	0.00091	J	0.0063		0.140		0.0260	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	6.2	J	0.0277	J	0.0015			U	0.00091	U	0.0025	U	0.058		0.0329	J	0.00248		0.1770	J	0.000328	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.0507	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00398		0.1660	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.2	J	0.0227	J	0.0023			U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130		0.1750	J	0.000289	U	0.000260	U	0.00470
LM No. 2			18.0	U	0.0540	U	0.0020			U	0.00091	J	0.0073		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000260	U	0.00730
January 23, 2020	0.00																										
002			20.0		0.1600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	8.2		0.0323	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00235		0.1430	J	0.000246	U	0.000246	U	0.00470
BF C MH SS 2816		U	6.1		0.0466	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00456		0.1390	J	0.000290	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0280	U	0.00130		0.1880	J	0.000311	U	0.000260	U	0.00470
LM No. 2			14.0		0.1300	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 24, 2020	0.00																										
002			14.0		0.2100	U	0.0020			U	0.00091		0.0160		0.140		0.0260	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00920
BF D MH SS 2316		J	6.2		0.0435	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0280	J	0.00340		0.1770	J	0.000293	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00427		0.2030	J	0.000477	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	J	0.0225	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0297	U	0.00130		0.1770	J	0.000312	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1200		0.0120			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 25, 2020	0.00																										
002			15.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00970
BF D MH SS 2316		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00276		0.1560	J	0.000248	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0		0.0563	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00438		0.1650	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0286	U	0.00130		0.1930	J	0.000231	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0970	J	0.0020			U	0.00091	U	0.0060		0.140		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.01200

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Amendola Engineering, Inc.

October 11, 2021

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Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
January 26, 2020	0.00																										
002			13.0		0.1200	J	0.0026			U	0.00091	J	0.0090		0.140		0.0280	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0366	J	0.00264		0.1600	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00467		0.1580	J	0.000221	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012				0.00280	U	0.0025	U	0.058		0.0282	U	0.00130		0.1410	J	0.000276	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0720	J	0.0024			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 27, 2020	0.00																										
002		U	9.3	U	0.0540	J	0.0026			U	0.00091	U	0.0060		0.140		0.0280	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00960
BF D MH SS 2316		J	6.2	J	0.0321	U	0.0012			J	0.00170	U	0.0025	U	0.058		0.0258	J	0.00263		0.1350	J	0.000240	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.0644	U	0.0012			J	0.00098	U	0.0025	U	0.058		0.0276	J	0.00457		0.1560	J	0.000361	U	0.000260	U	0.00026
CP MH SS 1015		J	8.2	J	0.0129	U	0.0012			J	0.00170	U	0.0025	U	0.058		0.0251	U	0.00130		0.2070	J	0.000323	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1100	J	0.0023			U	0.00091	U	0.0060		0.150		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 28, 2020	0.00																										
002		U	9.3	U	0.0540	J	0.0022			U	0.00091	U	0.0060		0.140		0.0250	J	0.00520		0.0680	U	0.003300	U	0.000053	J	0.01600
BF D MH SS 2316		U	6.1		0.0545	J	0.0026			J	0.00098	U	0.0025	U	0.058		0.0291	J	0.00428		0.0815	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0		0.0781	U	0.0012			J	0.00098	U	0.0025	U	0.058		0.0279		0.00588	J	0.0628	J	0.000263	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1		0.0581	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0282	J	0.00204		0.0858	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0940	J	0.0026			U	0.00091	U	0.0060		0.140		0.0240	U	0.00130	U	0.0120	J	0.004600	U	0.000053	U	0.00730
January 29, 2020	0.00																										
002		U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.140		0.0240	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1		0.0329	J	0.0034			U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00320		0.0865	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	14.0	J	0.0183	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0295	J	0.00459	J	0.0777	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	8.2		0.0346	U	0.0012			U	0.00091	J	0.0040	U	0.058		0.0298	U	0.00130		0.0948	U	0.000220	U	0.000260	U	0.00470
LM No. 2			18.0	J	0.0950	J	0.0022			U	0.00091	U	0.0060		0.140		0.0280	J	0.00340	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 30, 2020	0.00																										
002		U	9.3		0.0540	J	0.0026			U	0.00091	U	0.0060		0.120		0.0490	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	3.0	J	0.0091	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00224	J	0.0671	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	4.8	U	0.0047	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0254	J	0.00338		0.1110	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015			5.7		0.0450	U	0.0012			U	0.00091		0.0079	U	0.058		0.0275	U	0.00130	J	0.0676	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0670	J	0.0042			U	0.00091	U	0.0060		0.130		0.0360	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 31, 2020	0.00																										
002		U	9.3	J	0.0720	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			J	0.00140	U	0.0025	U	0.058		0.0257	J	0.00229		0.0874	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251	J	0.00495	J	0.0687	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266	U	0.00130		0.0886	U	0.000220	U	0.000260	U	0.00470
LM No. 2			11.0		0.1000	J	0.0022			J	0.00130	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 1, 2020	0.00																										
002			14.0	J	0.0570	U	0.0020			U	0.00091	U	0.0060		0.130		0.0240	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00930
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00251		0.1880	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0255	J	0.00379		0.0957	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0123	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250	U	0.00130	J	0.0719	U	0.000220	U	0.000260	U	0.00470
LM No. 2			13.0		0.1100	J	0.0021			U	0.00091	J	0.0064		0.130		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
February 2, 2020	0.00																										
002			13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0320	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0314	J	0.00130		0.0826	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0302	J	0.00446		0.0929	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	J	0.0161	U	0.0012			J	0.00120	J	0.0052	U	0.058		0.0303	U	0.00130	J	0.0797	J	0.000503	U	0.000260	U	0.00470
LM No. 2			12.0		0.1000	J	0.0032			U	0.00091	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 3, 2020	0.00																										
002			12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0390	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		J	10.0	J	0.0159	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00279		0.1730	J	0.000294	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	J	0.0120	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00458		0.1300	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	6.2	J	0.0303	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0296	U	0.00130		0.1050	U	0.000220	U	0.000260	U	0.00470
LM No. 2			11.0	J	0.0680	J	0.0022			U	0.00091	U	0.0060		0.130		0.0320	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 4, 2020	0.00																										
002		J	9.6	J	0.0720	J	0.0022			U	0.00091	U	0.0060		0.140		0.0270	J	0.00860	U	0.0120	J	0.004200	U	0.000053	J	0.01400
BF D MH SS 2316		U	3.0	J	0.0260	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0308	J	0.00230		0.0888	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	3.0	J	0.0150	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0319	J	0.00428		0.1330	J	0.000307	U	0.000260	U	0.00470
CP MH SS 1015		U	3.0		0.0260	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0324	U	0.00130		0.1990	J	0.000293	U	0.000260	U	0.00470
LM No. 2			12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 5, 2020	0.00																										
002		U	9.3		0.1300	U	0.0020			U	0.00091	U	0.0060		0.130		0.0230	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00930
BF D MH SS 2316		J	6.2	J	0.0249	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0300	U	0.00130		0.1420	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1		0.0409	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0314	J	0.00299		0.1750	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0		0.0366	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0353	U	0.00130		0.2070	J	0.000250	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.2100	U	0.0020			U	0.00091	U	0.0060		0.130		0.0230	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 6, 2020	0.00																										
002		U	9.3	U	0.0540	J	0.0026			U	0.00091	U	0.0060		0.140		0.0310	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	8.2	J	0.0122	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0274	J	0.00246		0.1490	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00120	U	0.0025	U	0.058		0.0276	J	0.00434		0.1760	J	0.000252	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	J	0.0102	U	0.0012				0.00290	U	0.0025	U	0.058		0.0278	U	0.00130		0.1600	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1300	U	0.0020			U	0.00120	U	0.0060		0.140		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 7, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0240	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.2	J	0.0173	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00238		0.1510	J	0.000242	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.2	J	0.0149	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00447		0.1430	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012			J	0.00100	U	0.0025	U	0.058		0.0308	U	0.00130		0.2370	J	0.000245	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.2500	J	0.0028			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 8, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0240	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	10.0	J	0.0248	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0282	J	0.00266		0.1260	J	0.000275	U	0.000260	U	0.00470
BF C MH SS 2816		Sample Not Collected																									
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	U	0.00130		0.1300	J	0.000245	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.2700	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
February 9, 2020	0.00																										
002		U	9.3	J	0.0610	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00440	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.2	J	0.1630	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0274	J	0.00368		0.5940	J	0.000540	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0120	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00479		0.2530	J	0.005190	U	0.000260	J	0.00604
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	U	0.00130		0.1750	J	0.000229	U	0.000260	U	0.00470
LM No. 2		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0230	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 10, 2020	0.00																										
002		U	9.3	J	0.0780	U	0.0020			U	0.00091	U	0.0060		0.130		0.0270	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00910
BF D MH SS 2316		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0270	J	0.00280		0.1490	J	0.000226	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.2	J	0.0162	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00433		0.1530	J	0.000305	U	0.000260	U	0.00470
CP MH SS 1015		J	8.2	U	0.0098	J	0.0028				0.00400	U	0.0025	U	0.058		0.0279	U	0.00130		0.2500	J	0.000249	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0300	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 11, 2020	0.00																										
002		U	9.3	J	0.0900	U	0.0020			U	0.00091	U	0.0060		0.120		0.0280	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00950
BF D MH SS 2316		J	6.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00256		0.0883	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0283	J	0.00422		0.0912	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0300	U	0.00130		0.3750	J	0.000397	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0820	U	0.0020			U	0.00091	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053		0.04100
February 12, 2020	0.00																										
002			13.0		0.1800	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00420	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0328	J	0.00262	J	0.0724	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	8.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0319		0.00599		0.0956	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0329	U	0.00130		0.0994	U	0.000220	U	0.000260	U	0.00470
LM No. 2			14.0	J	0.0580	U	0.0020			U	0.00091		0.0110		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 13, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091		0.0240		0.120		0.0280	J	0.00660	U	0.0120	J	0.004000	U	0.000053	J	0.01200
BF D MH SS 2316		Sample Not Collected																									
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00440	J	0.0767	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	6.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0304	U	0.00130		0.1890	J	0.000397	U	0.000260	U	0.00470
LM No. 2			11.0	J	0.0580	U	0.0020			U	0.00091		0.0130		0.130		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 14, 2020	0.00																										
002			14.0	J	0.0930	U	0.0020			U	0.00091		0.0220		0.120		0.0260	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00990
BF D MH SS 2316		J	12.0	J	0.0146	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00330		0.5270	J	0.000908	U	0.000260	J	0.00550
BF C MH SS 2816		J	18.0	J	0.0158	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0308		0.00711		1.4900	J	0.002530	J	0.000285		0.03210
CP MH SS 1015		J	8.2	J	0.0114	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271	U	0.00130		0.2650	J	0.000497	U	0.000260	U	0.00470
LM No. 2			15.0		0.2400	U	0.0020			U	0.00091	U	0.0060		0.200	U	0.0190	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01100
February 15, 2020	0.00																										
002		U	9.3		0.1400	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00870
BF D MH SS 2316		J	18.0	J	0.0169	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0278		0.00554		0.2250	J	0.000392	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	J	0.0155	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0285	J	0.00460		0.1660	J	0.000334	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0271	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0322	U	0.00130		0.2140	J	0.000359	U	0.000260	U	0.00470
LM No. 2			11.0	J	0.0680	U	0.0020			U	0.00091	U	0.0060		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
February 16, 2020	0.00																										
002			14.0		0.1600	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	16.0	J	0.0163	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0277	J	0.00296		0.2110	J	0.000337	U	0.000260	U	0.00470
BF C MH SS 2816		J	6.2	J	0.0158	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0271	J	0.00411		0.1290	J	0.000306	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.1170	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0259	U	0.00130		0.3040	J	0.000330	U	0.000260	U	0.00470
LM No. 2			12.0		0.1700	U	0.0020			U	0.00091	U	0.0060		0.150		0.0210	J	0.00250	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 17, 2020	0.00																										
002			13.0	J	0.0600	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	6.2	J	0.0206	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0319	J	0.00248		0.1330	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0230	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0289	J	0.00416		0.1330	J	0.000236	U	0.000260	U	0.00470
CP MH SS 1015		J	8.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0329	U	0.00130		0.1630	J	0.000290	U	0.000260	U	0.00470
LM No. 2			10.0		0.2700	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 18, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0460	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00960
BF D MH SS 2316		J	8.0	J	0.0299	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00280		0.1160	J	0.000248	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0212	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0280	J	0.00419		0.1340	J	0.000258	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0157	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	U	0.00130		0.1810	J	0.000336	U	0.000260	U	0.00470
LM No. 2		J	9.9		0.1700	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 19, 2020	0.00																										
002			13.0		0.1800	U	0.0020			U	0.00091	U	0.0060		0.140		0.0300	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01500
BF D MH SS 2316		U	6.1	J	0.0292	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00252		0.1520	J	0.000330	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	J	0.0207	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00437		0.1500	J	0.000368	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	J	0.0215	U	0.0012			U	0.00091	J	0.0029	U	0.058		0.0298	U	0.00130		0.1350	J	0.000279	U	0.000260	U	0.00470
LM No. 2			12.0		0.1400	U	0.0020			J	0.00100	U	0.0060		0.120		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 20, 2020	0.00																										
002			14.0	J	0.0570	J	0.0028			U	0.00091	U	0.0060		0.170		0.0270	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		U	6.1	J	0.0130	U	0.0012			J	0.00100	U	0.0025	U	0.058		0.0329	J	0.00379		0.2850	J	0.000734	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0125	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0299	J	0.00452		0.1380	J	0.000411	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0318	J	0.00154		0.1210	J	0.000493	U	0.000260	U	0.00470
LM No. 2			13.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.160		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 21, 2020	0.00																										
002			13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0260	J	0.00480	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0346	J	0.00157		0.0908	J	0.000295	U	0.000260	U	0.00470
BF C MH SS 2816		J	10.0	U	0.0098	U	0.0012			J	0.00110	U	0.0025	U	0.058		0.0303	J	0.00359		0.1360	J	0.000480	U	0.000260	J	0.00819
CP MH SS 1015		U	6.1		0.0432	U	0.0012				0.00240		0.0065	U	0.058		0.0316	U	0.00130		0.1110	J	0.000283	U	0.000260	U	0.00470
LM No. 2			12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 22, 2020	0.00																										
002			13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0240	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01500
BF D MH SS 2316		J	8.0	J	0.0168	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0304	U	0.00130		0.1030	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00347		0.1020	J	0.000223	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1		0.0392	U	0.0012			J	0.00110	J	0.0044	U	0.058		0.0340	U	0.00130		0.1070	J	0.000236	U	0.000260	U	0.00470
LM No. 2			23.0	J	0.0590	J	0.0026			U	0.00091	U	0.0060		0.150		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
February 23, 2020	0.00																										
002			15.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0240	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012				0.00280	U	0.0025	U	0.058		0.0299	J	0.00135		0.1150	J	0.000232	U	0.000260	U	0.00470
BF C MH SS 2816		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0300	J	0.00269		0.1230	J	0.000285	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0		0.0563	U	0.0012			J	0.00190		0.0073	U	0.058		0.0293	U	0.00130		0.0957	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0740	J	0.0032			U	0.00091	U	0.0060		0.140		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 24, 2020	0.00																										
002			14.0		0.1100	U	0.0020			U	0.00091	U	0.0060		0.150		0.0290	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01100
002 (rerun)																											
BF D MH SS 2316		U	6.1	J	0.0245	U	0.0012			J	0.00180	U	0.0025	U	0.058		0.0302	U	0.00130		0.1450	J	0.000249	U	0.000260	U	0.00470
BF D MH SS 2316 (rerun)						JH	0.0016			UH	0.00091																
BF C MH SS 2816		J	8.0	J	0.0241	U	0.0012			J	0.00091	U	0.0025	U	0.058		0.0286	J	0.00175		0.2070	J	0.000234	U	0.000260	U	0.00470
BF C MH SS 2816 (rerun)						IH	0.0012			UH	0.00091																
CP MH SS 1015		U	6.1		0.0580	U	0.0012			J	0.00120	J	0.0025	U	0.058		0.0290	U	0.00130		0.1340	J	0.000263	U	0.000260	U	0.00470
CP MH SS 1015 (rerun)						JH	0.0027			JH	0.00140																
LM No. 2			14.0		0.1500	U	0.0020			U	0.00091	U	0.0060		0.150		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)																											
February 25, 2020	0.18																										
002			12.0	U	0.0540	J	0.0038			U	0.00091	U	0.0060		0.150		0.0270	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.01100
002 (rerun)																											
BF D MH SS 2316		J	10.0		0.0403	J	0.0029			U	0.00091	U	0.0025	U	0.058		0.0252		0.00560		0.1120	J	0.000315	U	0.000260	U	0.00470
BF D MH SS 2316 (rerun)						JH	0.0016			UH	0.00091																
BF C MH SS 2816		J	12.0	J	0.0194	J	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248		0.00792		0.1420	J	0.000348	U	0.000260	U	0.00470
BF C MH SS 2816 (rerun)						UH	0.0012			UH	0.00091																
CP MH SS 1015		J	8.0		0.0355	J	0.0025			J	0.00100	J	0.0038	U	0.058		0.0257	J	0.00406		0.1340	J	0.000372	U	0.000260	U	0.00470
CP MH SS 1015 (rerun)						JH	0.0020			JH	0.00140																
LM No. 2		J	9.6		0.1400	U	0.0020			J	0.00100	U	0.0060		0.160		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)																											
February 26, 2020	0.00																										
002		U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.150		0.0280	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		U	6.1	J	0.0282	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0746	J	0.00337		0.1570	J	0.000388	U	0.000260	U	0.00470
BF C MH SS 2816		J	10.0	J	0.0203	J	0.0019			U	0.00091	U	0.0025	U	0.058		0.0369	J	0.00432		0.2670	J	0.000815	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0		0.0724	J	0.0025			U	0.00091	J	0.0039	U	0.058		0.0410	U	0.00130		0.2190	J	0.000483	U	0.000260	U	0.00470
LM No. 2			13.0		0.2200	U	0.0020			U	0.00091	U	0.0060		0.140		0.0270	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 27, 2020	0.00																										
002			12.0		0.1300	U	0.0020			U	0.00091	U	0.0060		0.160		0.0280		0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01200
002 (rerun)																											
BF D MH SS 2316		J	10.0	J	0.0203	U	0.0012				0.00310	U	0.0025	U	0.058		0.0494	U	0.00130		0.1840	J	0.000462	U	0.000260	U	0.00470
BF D MH SS 2316 (rerun)						UH	0.0012			JH	0.00160																
BF C MH SS 2816		J	10.0	J	0.0239	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0452	J	0.00275		0.4190	J	0.000829	U	0.000260	U	0.00470
BF C MH SS 2816 (rerun)						UH	0.0012			UH	0.00091																
CP MH SS 1015		J	12.0	J	0.0201	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0504	U	0.00130		0.3090	J	0.000898	U	0.000260	U	0.00470
CP MH SS 1015 (rerun)						UH	0.0012			UH	0.00091																
LM No. 2			13.0		0.1500	J	0.0022			U	0.00091	U	0.0060		0.150		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)																											

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
February 28, 2020	0.00																										
002		U	9.3		0.1500	U	0.0020			U	0.00091		0.0140		0.150		0.0300	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.00780
BF D MH SS 2316		J	12.0	J	0.0174	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0344	J	0.00469		0.2310	J	0.000527	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0206	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0310		0.00593		0.2190	J	0.000453	U	0.000260	U	0.00470
CP MH SS 1015		J	10.0	J	0.0154	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0332	J	0.00261		0.2680	J	0.000415	U	0.000260	U	0.00470
LM No. 2		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0310	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 29, 2020	0.00																										
002		U	9.3		0.1800	U	0.0020			U	0.00091		0.0140		0.150		0.0290	J	0.00850	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	10.0	J	0.0247	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0310	J	0.00468		0.2710	J	0.000507	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0148	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0313		0.00590		0.2650	J	0.000443	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1		0.0753	U	0.0012			U	0.00091		0.0085	U	0.058		0.0326	J	0.00267		0.3300	J	0.000440	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0730	U	0.0040			U	0.00091	U	0.0060		0.150		0.0290	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 1, 2020	0.00																										
002		U	9.3		0.1600	U	0.0020			U	0.00091		0.0160		0.150		0.0300	J	0.00710	U	0.0120	U	0.003300	U	0.000053	J	0.00790
BF D MH SS 2316		U	6.1	J	0.0118	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0329	J	0.00359	B	0.1580	J	0.000385	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0207	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0413		0.00562		0.3430	J	0.000459	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8		0.0974	U	0.0012			J	0.00110		0.0082	U	0.058		0.0457	J	0.00175		0.4680	J	0.000493	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1100	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 2, 2020	0.00																										
002		U	9.3	J	0.0810	J	0.0032			U	0.00091	U	0.0060		0.150		0.0290	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.00820
BF D MH SS 2316		J	7.8	J	0.0262	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0341	J	0.00343		0.2060	J	0.000292	U	0.000260	J	0.00580
BF C MH SS 2816		U	6.1		0.0539	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0323		0.00506		0.2070	J	0.000275	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0		0.0587	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0332	J	0.00407		0.1510	J	0.000394	U	0.000260		0.01330
LM No. 2		U	9.3		0.3200	U	0.0040			U	0.00091	U	0.0060		0.150		0.0280	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 3, 2020	0.00																										
002		U	9.3		0.2500	U	0.0040			U	0.00091	J	0.0076		0.150		0.0310	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00750
BF D MH SS 2316		U	6.1	J	0.0204	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0340	J	0.00331		0.2060	J	0.000238	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0243	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00468		0.1630	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1		0.0817	J	0.0023			U	0.00091		0.0110	U	0.058		0.0313	J	0.00153		0.1720	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 4, 2020	0.02																										
002		U	9.3		0.1500	U	0.0040			U	0.00091	J	0.0079		0.150		0.0260	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00760
BF D MH SS 2316		J	7.8	U	0.0098	J	0.0037			U	0.00091	U	0.0025	U	0.058		0.0338	J	0.00239		0.5500	J	0.000285	U	0.000260	U	0.00470
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0317	J	0.00361		0.1940	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0		0.0510	J	0.0017			U	0.00091	U	0.0025	U	0.058		0.0324	U	0.00130		0.1760	J	0.000272	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 5, 2020	0.00																										
002		U	9.3	J	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00890
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0286	J	0.00319		0.2090	J	0.000282	U	0.000260	J	0.00930
BF C MH SS 2816		U	6.1	J	0.0257	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00491		0.1770	J	0.000243	U	0.000243	U	0.00470
CP MH SS 1015		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0341	U	0.00130		0.1940	J	0.000455	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1100	U	0.0040			U	0.00091	U	0.0060		0.150		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
March 6, 2020	0.01																										
002		U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00700	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	J	0.0262	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248	J	0.00334		0.5800	J	0.000756	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	J	0.0221	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.00686		1.0800	J	0.000908	U	0.000260	J	0.00543
CP MH SS 1015		U	6.1		0.0946	J	0.0015			U	0.00091		0.0140	U	0.058		0.0255	J	0.00173		0.6660	J	0.001040	U	0.000260	J	0.00546
LM No. 1		J	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2		U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 7, 2020	0.00																										
002			11.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0155	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0244	J	0.00273		0.2250	J	0.004970	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	J	0.0231	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252		0.00550		0.2870	J	0.000713	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0288	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266	U	0.00130		0.3130	J	0.000603	U	0.000260	U	0.00470
LM No. 1		U	9.3		0.1200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2		U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.280		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 8, 2020	0.00																										
002		U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.00800
BF D MH SS 2316		J	12.0	J	0.0180	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247	J	0.00305		0.3000	J	0.000466	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0165	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288		0.00502		0.3090	J	0.000462	U	0.000260	U	0.00470
CP MH SS 1015		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0292	U	0.00130		0.6370	J	0.000460	U	0.000260	U	0.00470
LM No. 1		U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2		U	9.3		0.2200	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 9, 2020	0.00																										
002		U	9.3	J	0.0870	U	0.0040			U	0.00091	U	0.0060		0.150		0.0300	J	0.00690	J	0.0130	J	0.004300	U	0.000053	J	0.01100
BF D MH SS 2316		J	14.0	J	0.0247	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0334	J	0.00327		0.3910	J	0.000449	J	0.000425	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0187	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0294		0.00566		0.1940	J	0.000400	U	0.000260	U	0.00470
CP MH SS 1015		J	9.8	J	0.0191	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0361	J	0.00163		0.2660	J	0.000544	U	0.000260	U	0.00470
LM No. 1			13.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2			14.0	J	0.0960	U	0.0040			U	0.00091	U	0.0060		0.150		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 10, 2020	0.54																										
002			18.0	J	0.0810	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00620		0.0160	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	7.8	J	0.0124	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0304	J	0.00308		0.4230	J	0.000481	U	0.000260	U	0.00470
BF C MH SS 2816		J	9.8	J	0.0105	U	0.0012			J	0.00110	U	0.0025	U	0.058		0.0276	J	0.00474		0.3510	J	0.000517	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0313	J	0.0014			J	0.00110	J	0.0041	U	0.058		0.0292	J	0.00334		0.2830	J	0.000671	U	0.000260	U	0.00470
LM No. 1			14.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2			12.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 11, 2020	0.00																										
002		J	9.6		0.1300	U	0.0040			U	0.00091		0.0220		0.140		0.0300	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00251		0.4090	J	0.000308	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266		0.00542		0.2340	J	0.000385	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1		0.0349	J	0.0017			J	0.00110	U	0.0025	U	0.058		0.0288	U	0.00130		0.4130	J	0.000549	U	0.000260	U	0.00470
LM No. 2			12.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Amendola Engineering, Inc.

October 11, 2021

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Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
March 12, 2020	0.00																										
002		U	9.3		0.1200	U	0.0040			U	0.00091		0.0260		0.140		0.0250	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00100	U	0.0025	U	0.058		0.0331		0.00640		0.6080	J	0.000566	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0270		0.00570		0.1610	J	0..00392	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8	U	0.0098	J	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00465		0.1520	J	0.000367	U	0.000260	U	0.00470
LM No. 2			13.0		0.1500	U	0.0040			U	0.00091		0.0150		0.140		0.0210	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 13, 2020	0.00																										
002			13.0		0.1300	U	0.0040			U	0.00091		0.0220		0.150		0.0270	J	0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00447		0.1420	J	0.000294	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00445		0.1480	J	0.000400	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0255		0.00688		0.3210	J	0.000411	U	0.000260	U	0.00470
LM No. 2			13.0		0.1000	U	0.0040			U	0.00091		0.0290		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 14, 2020	0.00																										
002			12.0		0.1900	U	0.0040			U	0.00091		0.0130		0.140		0.0220		0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.00830
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248	J	0.00437		0.1690	J	0.000274	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00910	U	0.0025	U	0.058		0.0248		0.00606		0.1660	J	0.000278	U	0.000260	U	0.00470
CP MH SS 1015		J	9.8	U	0.0098	J	0.0015			U	0.00091	J	0.0034	U	0.058		0.0262	J	0.00254		0.1690	J	0.000282	U	0.000260	U	0.00470
LM No. 2			11.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 15, 2020	0.02																										
002			13.0	J	0.0940	U	0.0040			U	0.00091		0.0180		0.130		0.0290	J	0.00700	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316			24.0	U	0.0098	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0317		0.00509		0.2920	J	0.000418	U	0.000260	J	0.00542
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0282		0.00651		0.3710	J	0.000609	U	0.000260	J	0.00963
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00270		0.2890	J	0.000503	U	0.000260	J	0.00681
LM No. 2			14.0	J	0.0088	U	0.0040			U	0.00091		0.0120		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 16, 2020	0.00																										
002			16.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00790	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00382		0.1580	J	0.000276	U	0.000260	J	0.00506
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0250		0.00537		0.1570	J	0.000275	U	0.000260	J	0.00503
CP MH SS 1015		J	12.0	U	0.0098	J	0.0023			U	0.00091	U	0.0025	J	0.080		0.0259	J	0.00234		0.3420	J	0.000455	U	0.000260	J	0.00713
LM No. 2			12.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 17, 2020	0.04																										
002			12.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0330	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0289	J	0.00354		0.1770	J	0.000233	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276	J	0.00452		0.2600	J	0.000310	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	U	0.00130		0.2130	J	0.000312	U	0.000260	U	0.00470
LM No. 2			18.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 18, 2020	0.00																										
002			15.0	J	0.0750	U	0.0040			U	0.00091	U	0.0060		0.130		0.0310	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	7.8	J	0.0130	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0278	J	0.00241		0.2270	J	0.000366	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268	J	0.00399		0.1060	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0144	J	0.0029			U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130		0.2060	J	0.000326	U	0.000260	U	0.00470
LM No. 2		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
March 19, 2020	0.35																										
002			14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	J	0.0226	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0311	J	0.00414		0.3910	J	0.000240	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	U	0.0098	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00489		0.2310	J	0.000210	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0179	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00214		0.2230	J	0.000246	U	0.000266	J	0.00609
LM No. 2		U	9.3	J	0.0950	U	0.0040			U	0.00091	U	0.0060		0.130		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 20, 2020	0.40																										
002			12.0	J	0.0980	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		J	7.8		0.0365	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0338	J	0.00497		0.3190	J	0.000760	U	0.000260	J	0.00618
BF C MH SS 2816		U	6.1	J	0.0187	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0296		0.00573		0.1670	J	0.000580	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	J	0.0145	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0314	U	0.00130		0.3190	J	0.000306	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0840	U	0.0040			U	0.00091	U	0.0060		0.140		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 21, 2020	0.00																										
002			14.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00660	U	0.0120	U	0.003300	U	0.000053	J	0.02000
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0290	J	0.00327		0.3740	J	0.000488	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0017			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00454		0.2840	J	0.000433	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	J	0.0019			U	0.00091	U	0.0025	U	0.058		0.0315	J	0.00144		0.4030	J	0.000566	U	0.000260	U	0.00470
LM No. 2			14.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 22, 2020	0.00																										
002			11.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01600
BF D MH SS 2316		J	7.8	J	0.0105	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00305		3.3300	J	0.000431	U	0.000260	U	0.00470
BF C MH SS 2816		J	16.0	U	0.0098	J	0.0023			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00488		0.2550	J	0.000286	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0	U	0.0098	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0327	J	0.00178		0.3640	J	0.000548	U	0.000260	J	0.00496
LM No. 2			17.0	J	0.0550	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 23, 2020	0.00																										
002			11.0	J	0.0830	U	0.0040			U	0.00091	U	0.0060		0.130		0.0250	J	0.00740	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	7.8	J	0.0103	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00292		0.1740	J	0.000264	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0271		0.00519		0.1470	J	0.000275	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	J	0.0027			U	0.00091	U	0.0025	U	0.058		0.0295	J	0.00267		0.5320	J	0.000220	U	0.000260	U	0.00470
LM No. 2			10.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.130		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 24, 2020	0.00																										
002			11.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		U	6.1	J	0.0117	U	0.0012			J	0.00640	U	0.0580	U	0.058		0.0253	J	0.00294		0.2850	J	0.000351	U	0.000260	U	0.00470
BF C MH SS 2816		J	9.8	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0261	J	0.00449		0.2040	J	0.000230	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00900	U	0.0025	U	0.058		0.0284	U	0.00130		0.2060	J	0.000246	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0930	U	0.0040			U	0.00091	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 25, 2020	0.00																										
002		J	9.6		0.2500	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0261	J	0.00261		0.1930	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0335	J	0.00459		0.1860	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0269	U	0.00130		0.3200	J	0.000305	U	0.000260	U	0.00470
LM No. 2			12.0	J	0.0760	U	0.0040			U	0.00091	U	0.0060		0.130		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
March 26, 2020	0.00																										
002			13.0	J	0.0920	J	0.0044			U	0.00091	U	0.0060		0.130		0.0280	J	0.00590	J	0.0160	U	0.003300	U	0.000053	J	0.00780
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0310	J	0.00333		0.1470	J	0.000226	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0292	J	0.00480		0.1870	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00460	U	0.0025	U	0.058		0.0295	J	0.00138		0.1750	J	0.000249	U	0.000260	U	0.00470
LM No. 2			14.0		0.2200	U	0.0040			U	0.00091	J	0.0064		0.130		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 27, 2020	0.05																										
002			12.0	J	0.0830	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00560	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.8	U	0.0098	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0394	J	0.00366		0.1770	J	0.000350	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0015			U	0.00091	U	0.0025	U	0.058		0.0316		0.00578		0.3920	J	0.000234	U	0.000260	U	0.00470
CP MH SS 1015		J	9.8	U	0.0098	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0327	U	0.00130		0.1720	J	0.000229	U	0.000260	U	0.00470
LM No. 2			12.0	J	0.0810	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 28, 2020	0.32																										
002			14.0		0.1300	J	0.0042			U	0.00091	U	0.0060		0.130		0.0310	J	0.00660		0.0620	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0307	J	0.00288		0.1600	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0299		0.00541		0.1560	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8	U	0.0098	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0306	U	0.00130		0.1460	U	0.000220	U	0.000260	U	0.00470
LM No. 2			12.0	J	0.0840	U	0.0040			U	0.00091	U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 29, 2020	0.02																										
002			13.0		0.1600	U	0.0040			U	0.00091		0.0160		0.130		0.0280	J	0.00600	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.8	U	0.0098	J	0.0024			U	0.00091	U	0.0025	U	0.058		0.0442	J	0.00250		0.2550	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0023			U	0.00091	U	0.0025	U	0.058		0.0379	J	0.00447		0.2240	J	0.000280	U	0.000260	U	0.00470
CP MH SS 1015		J	9.8	U	0.0098	J	0.0028			U	0.00091	U	0.0025	U	0.058		0.0411	U	0.00130		0.1410	J	0.000300	U	0.000260	U	0.00470
LM No. 2			11.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 30, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0280	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0363	J	0.00245		0.1630	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	J	0.0199	J	0.0019			U	0.00091	U	0.0025	U	0.058		0.0317		0.00508		0.3410	J	0.000428	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0128	J	0.0019			U	0.00091	U	0.0025	U	0.058		0.0368	U	0.00130		0.1770	J	0.002630	U	0.000260	U	0.00470
LM No. 2			13.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0112	U	0.003300	U	0.000053	U	0.00730
March 31, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	J	0.00610	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	U	0.0098	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0307	J	0.00301		0.2940	J	0.000328	U	0.000260	U	0.00470
BF C MH SS 2816		J	18.0	U	0.0098	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00472		0.1890	J	0.000277	U	0.000260	U	0.00470
CP MH SS 1015		J	16.0	U	0.0098	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0299	J	0.00151		0.1320	U	0.000220	U	0.000260	U	0.00470
LM No. 2			13.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 1, 2020	0.00																										
002		U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0320	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.00950
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0026			U	0.00091	U	0.0025	U	0.058		0.0315	J	0.00278		0.2480	J	0.000442	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	J	0.0144	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00398		0.1830	J	0.000243	U	0.000260	U	0.00470
CP MH SS 1015		J	9.8	U	0.0098	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0346	U	0.00130		0.1190	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1800	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
April 2, 2020	0.00																										
002		U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0220	J	0.00600	U	0.0120	J	0.004100	U	0.000053	J	0.00760
BF D MH SS 2316		J	9.8	U	0.0098	J	0.0026			U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00356		0.1870	J	0.000416	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	U	0.0098	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0305	J	0.00491		0.1190	J	0.000406	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0321	U	0.00130		0.1030	J	0.000221	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0750	U	0.0040			U	0.00091	U	0.0060		0.130		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 3, 2020	0.00																										
002			27.0	J	0.0930	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098		0.0055			U	0.00091	J	0.0025	J	0.070		0.0353	J	0.00340		0.1240	J	0.000242	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0317	J	0.00496	J	0.0785	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	14.0	U	0.0098	J	0.0025			U	0.00091	J	0.0038	J	0.070		0.0330	U	0.00130		0.1240	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0770	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 4, 2020	0.00																										
002		U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00560	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0307	J	0.00323		0.1360	J	0.000260	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0327	J	0.00324		0.1720	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0347	U	0.00130		0.1710	J	0.000223	U	0.000260	U	0.00470
LM No. 2		U	9.3	J	0.0770	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 5, 2020	0.08																										
002			14.0	J	0.0600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00590	J	0.0130	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0294	J	0.00184		0.1660	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0302	J	0.00334		0.1200	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0321	U	0.00130		0.1040	U	0.000220	U	0.000260	U	0.00470
LM No. 2		U	9.3		0.1700	U	0.0040			U	0.00091	U	0.0060		0.160		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 6, 2020	0.00																										
002			12.0		0.4000		0.0062			U	0.00091	U	0.0060		0.120		0.0300	J	0.00590	J	0.0410	J	0.003700	U	0.000053	J	0.01300
002 (rerun 1)						U	0.0040																				
002 (rerun 2)						U	0.0040																				
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0014			J	0.00110	U	0.0025	U	0.058		0.0281	J	0.00242		0.0978	U	0.000220	J	0.000416	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0027	U	0.058		0.0257	J	0.00454		0.0906	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00110	U	0.0025	U	0.058		0.0303	J	0.00131		0.0963	U	0.000220	J	0.000298	U	0.00470
LM No. 2		U	9.3		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 7, 2020	0.63																										
002			16.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.150		0.0270	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0254	J	0.00328		0.1510	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0267	J	0.00451		0.0893	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0263	U	0.0012			U	0.00091	J	0.0029	U	0.058		0.0288	U	0.00130		0.1100	J	0.000228	U	0.000260	U	0.00470
LM No. 2			20.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 8, 2020	0.21																										
002			17.0	J	0.0570		0.0076			U	0.00091	U	0.0060		0.160		0.0300	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.00970
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00096	J	0.0027	U	0.058		0.0538	J	0.00412		0.0873	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0381		0.00613	J	0.0758	U	0.000220	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0259	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0426	J	0.00249		0.1040	U	0.000220	U	0.000260	U	0.00470
LM No. 2			16.0		0.2100	J	0.0044			U	0.00091	J	0.0063		0.160		0.0370	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
April 9, 2020	0.14																										
002			20.0	U	0.0540	U	0.0040			J	0.00150	U	0.0060		0.150		0.0280	J	0.00720	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0368	J	0.00423		0.1220	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0305		0.00632		0.1310	J	0.000304	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	J	0.0157	U	0.0012			U	0.00091	J	0.0031	U	0.058		0.0326	J	0.00207		0.1290	J	0.000332	U	0.000260	U	0.00470
LM No. 2			16.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.150		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 10, 2020	0.00																										
002			12.0	J	0.0880	U	0.0040			U	0.00091	J	0.0084		0.150		0.0280	J	0.00580	J	0.0130	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0306	J	0.00272		0.1270	U	0.000220	U	0.000260	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0303	J	0.00425		0.1170	J	0.000239	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0325	U	0.00130		0.1450	J	0.000286	U	0.000260	U	0.00470
LM No. 2			14.0		0.1100	U	0.0044			U	0.00091	U	0.0060		0.160		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 11, 2020	0.00																										
002			16.0	J	0.0740	U	0.0040			U	0.00091	U	0.0060		0.160		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0295	J	0.00264		0.1300	J	0.000257	U	0.000260	U	0.00470
BF C MH SS 2816		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00413		0.1480	J	0.000233	U	0.000260	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0326	U	0.00130		0.1350	J	0.000235	U	0.000260	U	0.00470
LM No. 2			15.0		0.2100	U	0.0040			J	0.00110	U	0.0060		0.150		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 12, 2020	0.14																										
002			16.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.150		0.0250	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00271		0.1080	U	0.000220	J	0.001650	U	0.00470
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00406		0.2490	U	0.000220	J	0.000798	U	0.00470
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0037	U	0.058		0.0293	U	0.00130		0.1100	U	0.000220	J	0.001090	U	0.00470
LM No. 2			12.0		0.1300	U	0.0040			J	0.00011	U	0.0060		0.150		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 13, 2020	0.04																										
002			16.0	U	0.0540	U	0.0040			J	0.00140		0.0280		0.160		0.0300	J	0.00700	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00267		0.1570	U	0.000220	J	0.000518	U	0.00470
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00449		0.1530	J	0.000305	U	0.000260	U	0.00470
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0289	U	0.00130		0.2900	J	0.000384	J	0.000396	U	0.00470
LM No. 2			12.0		0.2100	J	0.0041			U	0.00091		0.0220		0.150		0.0280	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 14, 2020	0.00																										
002			14.0		0.1600	U	0.0040			J	0.00110		0.0180		0.140		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00770
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	J	0.0040	U	0.058	J	0.0196		0.01730	U	0.0160	J	0.000227	U	0.000298	J	0.00101
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	J	0.0026	U	0.058	J	0.0194		0.01060	U	0.0160	J	0.000221	U	0.000298	J	0.00218
CP MH SS 1015		U	6.1	J	0.0098	U	0.0012			U	0.00091	J	0.0054	U	0.058		0.0236		0.01170		0.3430	J	0.000396	U	0.000298	J	0.00402
LM No. 2			14.0	J	0.0880	U	0.0040			J	0.00110	J	0.0072		0.140		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 15, 2020	0.00																										
002		U	9.3		0.1000		0.0050			U	0.00091	U	0.0060		0.150		0.0380	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058	J	0.0172		0.00999	U	0.0160	J	0.000165	U	0.000298	J	0.00218
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0027	U	0.058	J	0.0139		0.00954	U	0.0160	J	0.000172	U	0.000298	J	0.00196
CP MH SS 1015		U	6.1		0.1270	J	0.0013				0.00270		0.0300	U	0.058	J	0.0148		0.01530	U	0.0160	J	0.000252	U	0.000298	J	0.00328
LM No. 2		U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.150		0.0340	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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April 16, 2020	0.00																										
002			10.0	J	0.0780	U	0.0040			U	0.00091	U	0.0060		0.150		0.0310	J	0.00590	U	0.0112	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0143		0.00547		0.0876	J	0.000158	U	0.000298	J	0.00195
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0029	U	0.058	J	0.0148		0.00748	U	0.0160	J	0.000179	U	0.000298	J	0.00245
CP MH SS 1015		J	7.8	J	0.0143	U	0.0012			U	0.00091		0.0071	U	0.058	J	0.0144		0.00677	U	0.0160	J	0.000229	U	0.000298	J	0.00316
LM No. 2			10.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0310	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 17, 2020	0.00																										
002			12.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			J	0.00150	U	0.0025	J	0.060	U	0.0135		0.00743	U	0.0160	J	0.000184	U	0.000298	J	0.00203
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012				0.00220	U	0.0025	U	0.058	U	0.0135		0.01540	U	0.0160	J	0.000203	U	0.000298	J	0.00205
CP MH SS 1015		U	6.1	J	0.0111	U	0.0012			U	0.00091	U	0.0025	J	0.070	J	0.0155		0.00910	U	0.0160	J	0.000260	U	0.000298	J	0.00271
LM No. 2			11.0		0.1300	U	0.0040			U	0.00091	J	0.0084		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 18, 2020	0.00																										
002			12.0	J	0.0890	U	0.0040			J	0.00095	U	0.0060		0.150		0.0300	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01250	U	0.0160	J	0.000168	U	0.000298	J	0.00215
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00148
CP MH SS 1015		J	7.8	U	0.0098		0.0065				0.00550	U	0.0025	U	0.058	U	0.0135		0.00649	U	0.0160	U	0.000148	U	0.000298	J	0.00171
LM No. 2			11.0		0.2600	U	0.0040			U	0.00091	J	0.0062		0.150		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 19, 2020	0.00																										
002			12.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.150		0.0270	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00864	U	0.0160	U	0.000148	U	0.000298	J	0.00184
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00582	U	0.0160	J	0.000184	U	0.000298	J	0.00116
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058	U	0.0135		0.00603	U	0.0160	U	0.000148	U	0.000298	J	0.00195
LM No. 2			14.0		0.2000	U	0.0040			U	0.00091		0.0100		0.160		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 20, 2020	0.00																										
002			13.0		0.1400	U	0.0040			U	0.00091	J	0.0097		0.160		0.0310	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060	U	0.0135		0.00887	U	0.0160	J	0.000192	U	0.000298	J	0.00232
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0149		0.01510	U	0.0160	J	0.000224	U	0.000298	J	0.00285
CP MH SS 1015		U	6.1		0.0565	U	0.0012			U	0.00091	J	0.0055	U	0.058	J	0.0181		0.00501	U	0.0160	J	0.000273	U	0.000298	J	0.00216
LM No. 2			13.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.160		0.0280	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 21, 2020	0.14																										
002			12.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00660	J	0.0130	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0178		0.01050	U	0.0160	J	0.000305	U	0.000298	J	0.00233
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0190		0.00986	U	0.0160	J	0.000319	U	0.000298	J	0.00213
CP MH SS 1015		J	7.8		0.0691	J	0.0012			U	0.00091		0.0086	U	0.058		0.0238		0.00592	U	0.0160	J	0.000263	U	0.000298	J	0.00177
LM No. 2			12.0	J	0.0610	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 22, 2020	0.00																										
002		U	9.3	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00910
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0165		0.00793	U	0.0160	J	0.000199	U	0.000298	J	0.00258
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0163		0.01630	U	0.0160	J	0.000178	U	0.000298	J	0.00176
CP MH SS 1015		U	6.1		0.0460	U	0.0012			U	0.00091	J	0.0056	U	0.058	J	0.0165		0.00723	U	0.0160	J	0.000319	U	0.000298	J	0.00438
LM No. 2		U	9.3		0.1700	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
April 23, 2020	0.04																										
002			12.0		0.3000	U	0.0040			U	0.00091	J	0.0078		0.130		0.0220	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00900
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0195		0.01380	U	0.0160	U	0.000148	U	0.000298	J	0.00231
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0182		0.01670	U	0.0160	J	0.000212	U	0.000298	J	0.00279
CP MH SS 1015		U	6.1	J	0.0262	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0191		0.00556	U	0.0160	J	0.000286	U	0.000298	J	0.00274
LM No. 2		U	9.3	J	0.0860	U	0.0040			U	0.00091	U	0.0060		0.130		0.0210	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 24, 2020	0.00																										
002			42.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00890
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012				0.00360	U	0.0025	U	0.058	J	0.0184		0.01460	U	0.0160	J	0.000173	U	0.000298	J	0.00323
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	J	0.0026	U	0.058	J	0.0183		0.01260	J	0.0259	J	0.000257	U	0.000298	J	0.00303
CP MH SS 1015		U	6.1	J	0.0159	U	0.0012			J	0.00140	J	0.0039	U	0.058		0.0220		0.01450	U	0.0160	J	0.000179	U	0.000298	J	0.00279
LM No. 2		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
April 25, 2020	0.20																										
002		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060	Sample not collected						U	0.0120	Sample not collected					
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012			J	0.00110	U	0.0025	U	0.058		0.0222	U	0.01600	U	0.0160	J	0.000209	U	0.000298	J	0.00350
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0217		0.01680	U	0.0160	J	0.000177	U	0.000298	J	0.00225
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00098	U	0.0025	U	0.058		0.0234		0.00864	U	0.0160	J	0.000165	U	0.000298	J	0.00318
LM No. 2		U	9.3	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 26, 2020	0.68																										
002		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00690	J	0.0140	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0202		0.01000	U	0.0160	U	0.000148	U	0.000298	J	0.00281
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0221		0.01070	U	0.0160	J	0.000210	U	0.000298	J	0.00278
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0180		0.01480	U	0.0160	J	0.000352	U	0.000298	J	0.00561
LM No. 2			15.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 27, 2020	0.00																										
002		U	9.3		0.2000	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	J	0.00700	U	0.0120	J	0.004100	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0012			J	0.00180	U	0.0025	U	0.058		0.0229		0.01390	U	0.0160	J	0.000351	U	0.000298	J	0.00413
BF C MH SS 2816		U	6.1	U	0.0098	U	0..0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.00819	U	0.0160	J	0.000281	U	0.000298	J	0.00218
CP MH SS 1015		J	7.8		0.0468	U	0.0012			J	0.00099	J	0.0038	U	0.058		0.0271		0.01030	U	0.0160	J	0.000386	U	0.000298	J	0.00347
LM No. 2			15.0	J	0.0820	U	0.0040			U	0.00091	J	0.0068		0.140		0.0290	J	0.00140	U	0.0120	U	0.003300	U	0..000053	U	0.00730
April 28, 2020	0.56																										
002			19.0	J	0.0640	U	0.0040			U	0.00091	U	0.0060		0.140		0.0310	J	0.00660	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	12.0	J	0.0217	U	0.0012			J	0.00170	U	0.0025	U	0.058	J	0.0198		0.01240	U	0.0160	J	0.000763	U	0.000298	J	0.00667
BF C MH SS 2816		U	6.1	J	0.0121	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0264		0.02760	U	0.0160	J	0.000176	U	0.000298	J	0.00334
CP MH SS 1015		J	9.8		0.0603	J	0.0017			U	0.00091	U	0.0025	U	0.058	J	0.0193		0.00885	J	0.0252	J	0.000187	U	0.000296	J	0.00333
LM No. 2			11.0	J	0.0650	U	0.0040			U	0.00091	U	0.0060		0.130		0.0300	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 29, 2020	0.50																										
002			18.0		0.1700	U	0.0040			U	0.00091		0.0280		0.140		0.0290	J	0.00810	U	0.0120	U	0.003300	U	0.000053	J	0.00940
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0241		0.01030	U	0.0160	J	0.000421	U	0.000298	J	0.00312
BF C MH SS 2816		U	6.1	J	0.0157	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0189		0.01590	U	0.0160	U	0.000148	U	0.000298	J	0.00236
CP MH SS 1015		U	6.1		0.0508	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0193		0.00783	U	0.0160	U	0.000148	U	0.000298	J	0.00294
LM No. 2			14.0		0.1600	U	0.0040			U	0.00091	J	0.0068		0.140		0.0280	J	0.00190	U	0.0120	J	0.003900	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
April 30, 2020	1.06																										
002			14.0	J	0.0890	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00770	J	0.0130	U	0.003300	U	0.000053	J	0.01900
BF D MH SS 2316		J	7.8	J	0.0232	U	0.0012			U	0.00091	J	0.0030	U	0.058		0.0242		0.00615	U	0.0160	J	0.000594	U	0.000298	J	0.00347
BF C MH SS 2816		J	12.0	J	0.0186	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0231		0.00782	U	0.0160	J	0.000682	U	0.000298	J	0.00467
CP MH SS 1015		J	9.8	J	0.0210	U	0.0012			U	0.00091	J	0.0031	U	0.058		0.0253		0.00655	U	0.0160	J	0.000574	U	0.000298	J	0.00330
LM No. 2			11.0	U	0.0540	U	0.0040			J	0.00120	U	0.0060		0.130		0.0250	J	0.00250	U	0.0120	J	0.004100	U	0.000053	U	0.00730
May 1, 2020	0.04																										
002			13.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00640	J	0.0140	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0250		0.00873	U	0.0160	J	0.000739	U	0.000298	J	0.00479
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0222		0.01270	U	0.0160	J	0.000536	U	0.000298	J	0.00357
CP MH SS 1015		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0255		0.01310	U	0.0160	J	0.000527	U	0.000298	J	0.00491
LM No. 2			11.0	J	0.0710	U	0.0040			U	0.00091	U	0.0060		0.130	J	0.0200	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 2, 2020	0.00																										
002			12.0	J	0.0930	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00833		0.0630	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012				0.00300	U	0.0025	J	0.080		0.0210		0.01330	U	0.0160	J	0.000839	U	0.000298	J	0.00518
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070	J	0.0188		0.01720	U	0.0160	J	0.000489	U	0.000298	J	0.00393
CP MH SS 1015		U	6.1	J	0.0201	J	0.0012			J	0.00190	J	0.0044	J	0.080		0.0203		0.00557	U	0.0160	J	0.000584	U	0.000298	J	0.00341
LM No. 2			12.0	J	0.0630	U	0.0040			U	0.00091	U	0.0060		0.120		0.0200	U	0.00130	U	0.0120	J	0.005200	U	0.000053	U	0.00730
May 3, 2020	0.00																										
002			11.0	J	0.0190	U	0.0040			J	0.00140	J	0.0078		0.130		0.0250	J	0.00820	J	0.0270	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080	J	0.0200		0.00809	U	0.0160	J	0.000478	U	0.000298	J	0.00401
BF C MH SS 2816		J	7.8	J	0.0199	U	0.0012			U	0.00091	U	0.0025	J	0.080	J	0.0193		0.00985	U	0.0160	J	0.000550	U	0.000298	J	0.00347
CP MH SS 1015		U	6.1		0.0516	J	0.0012			J	0.00110	U	0.0250	J	0.080	J	0.0197		0.00927	J	0.0173	J	0.000517	U	0.000298	J	0.00353
LM No. 2			14.0	J	0.0560	U	0.0040			J	0.00100	U	0.0060		0.130		0.0240	J	0.00140	J	0.0260	U	0.003300	U	0.000053	U	0.00730
May 4, 2020	0.00																										
002			15.0	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00840	J	0.0220	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		J	9.8	U	0.0098	J	0.0014			U	0.00091	U	0.0025	U	0.058	J	0.0192		0.01690	U	0.0160	J	0.000641	U	0.000298	J	0.00538
BF C MH SS 2816		J	12.0		0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0215		0.01100	U	0.0160	J	0.000808	U	0.000053	J	0.00485
CP MH SS 1015		J	9.8	J	0.0275	J	0.0012			U	0.00091	J	0.0034	U	0.058		0.0253		0.00865	U	0.0160	J	0.000676	U	0.000298	J	0.00453
LM No. 2			14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00180	J	0.0210	U	0.003300	U	0.000053	U	0.00730
May 5, 2020	0.05																										
002			15.0	J	0.0790	U	0.0040			U	0.00091		0.0110		0.130		0.0300	J	0.00730	U	0.0120	U	0.003300	U	0.000053	J	0.01900
BF D MH SS 2316		J	7.8	J	0.0170	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0194		0.01020	U	0.0160	J	0.000520	U	0.000298	J	0.00363
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0170		0.00908	U	0.0160	J	0.000498	U	0.000298	J	0.00413
CP MH SS 1015		U	6.1	J	0.0312	J	0.0014			U	0.00091	J	0.0055	U	0.058	J	0.0180		0.01220	U	0.0160	J	0.000586	U	0.000298	J	0.00436
LM No. 2			14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 6, 2020	0.16																										
002			25.0	U	0.0540	U	0.0040			J	0.00093	U	0.0060		0.130		0.0320	J	0.00650		0.1900	U	0.003300	U	0.000053		0.02200
BF D MH SS 2316		J	16.0	U	0.0098	U	0.0012			J	0.00110	U	0.0025	U	0.058	U	0.0135		0.01060	U	0.0160	J	0.000390	U	0.000298	J	0.00363
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00977	U	0.0160	J	0.000363	U	0.000298	J	0.00430
CP MH SS 1015		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00874	U	0.0160	J	0.000347	U	0.000053	J	0.00356
LM No. 2			11.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
May 7, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.160		0.0290	J	0.00720	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		J	12.0	J	0.0169	J	0.0018			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00786	U	0.0160	J	0.000314	U	0.000298	J	0.00765
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01460	U	0.0160	J	0.000273	U	0.000298	J	0.00285
CP MH SS 1015		J	9.8		0.0865	J	0.0016				0.00220		0.0260	U	0.058	U	0.0135		0.01070	U	0.0160	J	0.000470	U	0.000298	J	0.00470
LM No. 2			20.0	J	0.0650	U	0.0040			U	0.00091	U	0.0060		0.160		0.0280	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
May 8, 2020	0.00																										
002			16.0	J	0.0720	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00680	U	0.0120	U	0.003300	U	0.000053		0.02100
BF D MH SS 2316		J	14.0	J	0.0162	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0166		0.01110	U	0.0160	J	0.000365	U	0.000298	J	0.00376
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0194		0.00817	U	0.0160	J	0.000391	U	0.000298	J	0.00342
CP MH SS 1015		J	9.8		0.0934	J	0.0021			J	0.00097		0.0170	U	0.058		0.0235		0.00877	U	0.0160	J	0.000421	U	0.000298	J	0.00340
LM No. 2			17.0	J	0.0690	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 9, 2020	0.00																										
002			17.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01500
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0174		0.00875	U	0.0160	J	0.000286	U	0.000298	J	0.00278
BF C MH SS 2816		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0162		0.02610	U	0.0160	J	0.000365	U	0.000298	J	0.00294
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0170		0.00702	U	0.0160	J	0.000275	U	0.000298	J	0.00282
LM No. 2			13.0	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00160	U	0.0120	J	0.003300	U	0.000053	U	0.00730
May 10, 2020	0.00																										
002			14.0	J	0.0870	U	0.0040			U	0.00091	U	0.0060		0.150		0.0270	J	0.00740	U	0.0120	U	0.003300	U	0.000053		0.02100
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			J	0.00110	U	0.0025	U	0.058	J	0.0149		0.00603	U	0.0160	J	0.000317	U	0.000298	J	0.00265
BF C MH SS 2816		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01550	U	0.0160	J	0.000412	U	0.000298	J	0.00441
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0146		0.00702	U	0.0160	J	0.000400	U	0.000298	J	0.00435
LM No. 2			13.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 11, 2020	0.25																										
002			15.0		0.1500	U	0.0040			no sample		U	0.0060		0.130		0.0290	J	0.00780	U	0.0120	U	0.003300	U	0.000053		0.02500
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100	J	0.0159		0.01710	J	0.0333	J	0.000500	U	0.000298	J	0.00507
BF C MH SS 2816		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.110	J	0.0172		0.02720	U	0.0160	J	0.000484	U	0.000298	J	0.00596
CP MH SS 1015		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.120		0.0219		0.00655	U	0.0160	J	0.000289	U	0.000298	J	0.00293
LM No. 2			14.0		0.1900	U	0.0040			U	0.00091	J	0.0076		0.130		0.0270	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 12, 2020	0.00																										
002			15.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00720	U	0.0120	U	0.003300	U	0.000053		0.02000
BF D MH SS 2316		J	18.0	J	0.0139	U	0.0012				0.00260	U	0.0025		0.100	J	0.0153		0.01290	U	0.0160	J	0.000246	U	0.000298	J	0.00314
BF C MH SS 2816		J	12.0	J	0.0117	U	0.0012			U	0.00091	U	0.0025	J	0.090	J	0.0180		0.00836	U	0.0160	J	0.000152	U	0.000298	J	0.00261
CP MH SS 1015		J	12.0	U	0.0098	J	0.0012			U	0.00091	U	0.0025	J	0.090		0.0215		0.01620	U	0.0160	J	0.002020	U	0.000298	J	0.00231
LM No. 2			10.0		0.1500	U	0.0040			U	0.00091		0.0110		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 13, 2020	0.00																										
002			15.0		0.2200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00670	J	0.0120	U	0.003300	U	0.000053	J	0.01900
BF D MH SS 2316		J	18.0	U	0.0098	J	0.0013			J	0.00140	U	0.0025	U	0.058	J	0.0194		0.00716	U	0.0160	J	0.000180	U	0.000298	J	0.00235
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0177		0.01410	U	0.0160	J	0.000201	U	0.000298	J	0.00241
CP MH SS 1015		J	7.8	U	0.0098	J	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0183	J	0.00381	U	0.0160	J	0.000194	U	0.000298	J	0.00264
LM No. 2			15.0		0.2200	U	0.0040			J	0.00096		0.0120		0.120		0.0280	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730

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Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
May 14, 2020	0.10																										
002			14.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00690	U	0.0120	J	0.004500	U	0.000053		0.02600
BF D MH SS 2316		J	14.0	J	0.0124	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0216		0.02020	U	0.0160	J	0.000411	U	0.000298	J	0.00520
BF C MH SS 2816		J	7.8	U	0.0098	J	0.0024			U	0.00091	U	0.0025	U	0.058		0.0208		0.01900	U	0.0160	J	0.004200	U	0.000298		0.01540
CP MH SS 1015		J	12.0	U	0.0098	J	0.0017			U	0.00091	U	0.0025	U	0.058		0.0239		0.00803	U	0.0160	J	0.000286	U	0.000298	J	0.00532
LM No. 2		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 15, 2020	3.05																										
002			16.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01500
BF D MH SS 2316		J	7.8	U	0.0098	U	0.0012				0.00270	J	0.0026	U	0.058		0.0292		0.01480	U	0.0160	J	0.000621	U	0.000298	J	0.00669
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0235		0.01220	U	0.0160	J	0.001650	U	0.000298	J	0.00969
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00180	J	0.0026	J	0.060		0.0252		0.00508	U	0.0120	U	0.001480	U	0.000298	J	0.00467
LM No. 2		U	9.3		0.2400	U	0.0040			U	0.00091	J	0.0075		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 16, 2020	0.07																										
002			14.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	7.8	J	0.0142	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0240		0.00886	U	0.0160	J	0.000245	U	0.000298	J	0.00461
BF C MH SS 2816		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0229		0.00742	U	0.0160	J	0.001100	U	0.000298	J	0.00761
CP MH SS 1015		J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.01730	U	0.0160	U	0.000148	U	0.000298	J	0.00190
LM No. 2		U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 17, 2020	0.18																										
002			12.0		0.1900	U	0.0040			U	0.00091	J	0.0082		0.120		0.0250	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0306		0.01000	U	0.0160	J	0.000241	U	0.000298	J	0.00887
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			J	0.00092	U	0.0025	U	0.058		0.0230		0.01330	U	0.0160	J	0.000202	U	0.000298	J	0.00504
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0230		0.00763	U	0.0160	U	0.000148	U	0.000298	J	0.00406
LM No. 2		U	9.3		0.1000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 18, 2020	0.72																										
002			11.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012				0.00220	U	0.0025	U	0.058	J	0.0197		0.01270	U	0.0160	J	0.000218	U	0.000298	J	0.00437
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0220		0.00823	J	0.0216	J	0.000391	U	0.000298	J	0.00698
CP MH SS 1015		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0179		0.00651	J	0.0191	J	0.000195	U	0.000298	J	0.00520
LM No. 2			13.0		0.1600	U	0.0040			U	0.00091	J	0.0092		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 19, 2020	0.14																										
002			14.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	9.8	U	0.0098	J	0.0023			J	0.00170	U	0.0025	J	0.080	J	0.0195		0.00724	U	0.0160	J	0.000246	U	0.000298	J	0.00404
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070	J	0.0189	J	0.00455	U	0.0160	J	0.000229	U	0.000298	J	0.00363
CP MH SS 1015		J	9.8	U	0.0098	U	0.0012			J	0.00140	U	0.0025	J	0.080		0.0226	J	0.00279	U	0.0160	J	0.002840	U	0.000298	J	0.00303
LM No. 2			14.0		0.3000	U	0.0040			U	0.00091	J	0.0067		0.120		0.0260	J	0.00150	J	0.0260	U	0.003300	U	0.000053	U	0.00730
May 20, 2020	0.02																										
002		J	9.9	U	0.0540	U	0.0040			U	0.00091	J	0.0087		0.140		0.0250	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.01600
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00180	U	0.0025	J	0.080		0.0239		0.01110	U	0.0160	J	0.000267	U	0.000298	J	0.00326
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070	J	0.0198		0.01110	U	0.0160	J	0.000332	U	0.000298	J	0.00392
CP MH SS 1015		J	16.0	U	0.0098	U	0.0012			U	0.00091	J	0.0049	J	0.080		0.0204		0.00740	U	0.0160	J	0.000163	U	0.000298	J	0.00245
LM No. 2			15.0		0.1200	U	0.0040			U	0.00091		0.0220		0.150		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
May 21, 2020	0.00																										
002			17.0	J	0.0640	U	0.0040			U	0.00091		0.0250		0.140		0.0230	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01500
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00093	J	0.0026	U	0.058		0.0238		0.00931	U	0.0160	J	0.000179	U	0.000298	J	0.00468
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091		0.0090	U	0.058		0.0215		0.00928	U	0.0160	J	0.000225	U	0.000298	J	0.00379
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091		0.0100	U	0.058		0.0227		0.00542	J	0.0213	U	0.000148	U	0.000298	J	0.00277
LM No. 2			13.0		0.1100	U	0.0040			U	0.00091		0.0120		0.140		0.0230	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 22, 2020	0.02																										
002			17.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	J	0.00650	U	0.0160	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091		0.0080	J	0.080	J	0.0186		0.01930	U	0.0160	U	0.000148	U	0.000298	J	0.00284
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0059	J	0.070	J	0.0190		0.00933	U	0.0160	J	0.000265	U	0.000298	J	0.00339
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00140		0.0072		0.100		0.0216	J	0.00431	U	0.0160	U	0.000148	U	0.000298	J	0.00480
LM No. 2		U	9.3	J	0.0920	U	0.0040			U	0.00091	J	0.0077		0.130		0.0230	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 23, 2020	0.00																										
002			16.0		0.1900	U	0.0040			U	0.00091	J	0.0084		0.140		0.0240	J	0.00680	J	0.0120	U	0.003300	U	0.000053	J	0.01600
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0052	U	0.058	J	0.0185		0.01450	U	0.0160	J	0.000258	U	0.000298	J	0.00493
BF C MH SS 2816		J	7.8	U	0.0098	U	0.0012			U	0.00091	J	0.0045	U	0.058	J	0.0149		0.00713	U	0.0160	U	0.000148	U	0.000298	J	0.00277
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0042	U	0.058	J	0.0181	J	0.00459	U	0.0160	J	0.000268	U	0.000298	J	0.00787
LM No. 2		U	9.3		0.1200	U	0.0040			U	0.00091		0.0130		0.130		0.0220	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
May 24, 2020	2.55																										
002			11.0		0.2900	U	0.0040			U	0.00091		0.0120		0.140		0.0230	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	J	0.0026	U	0.058		0.0201		0.00735	U	0.0160	U	0.000148	U	0.000298	J	0.00293
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0167		0.01310	U	0.0160	J	0.000241	U	0.000298	J	0.00316
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00100	J	0.0030	U	0.058	J	0.0177	J	0.00303	U	0.0160	U	0.000148	U	0.000298	J	0.00737
LM No. 2			17.0		0.1400	U	0.0040			U	0.00091	J	0.0077		0.130		0.0220	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 25, 2020	0.54																										
002			15.0		0.3500	U	0.0040			U	0.00091	J	0.0064		0.130		0.0230	J	0.00680	U	0.0120	U	0.003300	U	0.000053		0.02700
BF D MH SS 2316		J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0217		0.00622	U	0.0160	J	0.000194	U	0.000298	J	0.00472
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0190		0.01540	U	0.0160	U	0.000148	U	0.000298	J	0.00529
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0243		0.01230	U	0.0160	U	0.000148	U	0.000298	J	0.00373
LM No. 2			13.0	J	0.0780	U	0.0040			U	0.00091	U	0.0060		0.130		0.0220	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 26, 2020	0.00																										
002		U	9.3	J	0.0890	U	0.0040			U	0.00091	J	0.0086		0.130		0.0430	J	0.00650	U	0.0120	U	0.003300	U	0.000053		0.02600
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0200		0.00894	U	0.0160	U	0.000148	U	0.000298	J	0.00157
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0181		0.01100	U	0.0160	U	0.000148	U	0.000298	J	0.00172
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0188		0.01770	U	0.0160	J	0.000164	U	0.000298	J	0.00287
LM No. 2		U	9.3	J	0.0760	U	0.0040			U	0.00091		0.0170		0.120		0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 27, 2020	0.00																										
002			13.0	J	0.0980	J	0.0043			U	0.00091	U	0.0060		0.120		0.0300	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0239		0.01050	U	0.0160	U	0.000148	U	0.000298	J	0.00198
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0201		0.01040	U	0.0160	J	0.000336	U	0.000298	J	0.00331
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0209		0.00845	U	0.0160	U	0.000148	U	0.000298	J	0.00248
LM No. 2		U	9.3		0.1000	U	0.0040			U	0.00091		0.0270		0.120		0.0280	J	0.00180	J	0.0360	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
May 28, 2020	0.35																										
002		U	9.3		0.1100	U	0.0040			U	0.00091		0.0240		0.120		0.0220	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01900
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0213		0.00688	U	0.0160	U	0.000148	U	0.000298	J	0.00224
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0209		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00347
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0240		0.00533	U	0.0160	U	0.000148	U	0.000298	J	0.00316
LM No. 2			11.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 29, 2020	0.82																										
002			13.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.01400
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			J	0.00099	U	0.0025	U	0.058		0.0202		0.00780	U	0.0160	U	0.000148	U	0.000298	J	0.00320
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0194		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00347
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0195		0.00552	J	0.0207	U	0.000148	U	0.000298	J	0.00393
LM No. 2			11.0	J	0.0780	U	0.0040			U	0.00091	B	0.0120		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 30, 2020	0.00																										
002			12.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01900
BF D MH SS 2316		J	18.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0199		0.01660	U	0.0160	J	0.000161	U	0.000298	J	0.00446
BF C MH SS 2816		U	6.1	J	0.0116	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0198		0.00930	J	0.0221	U	0.000148	U	0.000298	J	0.00305
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	J	0.0180		0.01170	J	0.0181	U	0.000148	U	0.000298	J	0.00257
LM No. 2		U	9.3		0.1300	U	0.0040			U	0.00091	BU	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 31, 2020	0.00																										
002		U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01800
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0228		0.00849	U	0.0160	U	0.000148	U	0.000298	J	0.00362
BF C MH SS 2816		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0235		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00693
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271		0.00903	U	0.0160	J	0.000185	U	0.000298	J	0.00310
LM No. 2			9.9	U	0.0054	U	0.0040			U	0.00091	B	0.0210		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 1, 2020	0.00																										
002			11.0		0.2100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01700
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0228		0.00647	U	0.0160	U	0.000148	U	0.000298	J	0.00132
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.01270	U	0.0160	U	0.000148	U	0.000298	J	0.00216
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0263		0.00669	U	0.0160	U	0.000148	U	0.000298	J	0.00306
LM No. 2			12.0		0.1300	U	0.0040			U	0.00091	J	0.0077		0.110		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 2, 2020	0.00																										
002		U	9.3	J	0.0099	U	0.0040			U	0.00091	U	0.0060		0.120		0.0450	J	0.00680	U	0.0120	U	0.003300	U	0.000053		0.02000
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			J	0.00110		0.0100	U	0.058		0.0248		0.00763	U	0.0160	U	0.000148	U	0.000298	J	0.00421
BF C MH SS 2816		J	8.0	U	0.0098	U	0.0012			U	0.00091		0.0079	U	0.058		0.0231		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00420
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012			U	0.00091		0.0087	U	0.058		0.0237		0.00527	U	0.0160	U	0.000148	U	0.000298	J	0.00223
LM No. 2			9.9		0.1500	U	0.0040			U	0.00091		0.0220		0.120		0.0410	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 3, 2020	0.00																										
002			14.0	J	0.0990	U	0.0040			U	0.00091	U	0.0060		0.120		0.0320	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0063	J	0.090		0.0249		0.01580	U	0.0160	U	0.000148	U	0.000298	J	0.00374
BF C MH SS 2816		J	10.0	U	0.0098	U	0.0012			U	0.00091		0.0075	J	0.090		0.0266		0.02380	U	0.0160	J	0.000158	U	0.000298	J	0.00511
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0059		0.120		0.0302		0.00597	U	0.0160	J	0.000228	U	0.000298	J	0.00374
LM No. 2		U	9.3		0.1900	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
June 4, 2020	0.00																										
002			12.0		0.1800	U	0.0040			U	0.00091		0.0120		0.110		0.0270	J	0.00310	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012				0.00260		0.0068	U	0.058		0.0293		0.00756	U	0.0160	U	0.000148	U	0.000298	J	0.00288
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			J	0.00094	J	0.0047	U	0.058		0.0257		0.00844	U	0.0160	U	0.000148	U	0.000298	J	0.00720
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			J	0.00140	J	0.0049	U	0.058		0.0301	J	0.00264	U	0.0160	U	0.000148	U	0.000298	J	0.00606
LM No. 2		J	9.9	J	0.0890	U	0.0040			U	0.00091	U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 5, 2020	0.00																										
002			11.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00360	U	0.0120	U	0.003300	U	0.000053	J	0.00840
BF D MH SS 2316		U	6.1	J	0.0108		0.0051			U	0.00091	J	0.0037	U	0.058		0.0253		0.00515	U	0.0160	U	0.000148	U	0.000298	J	0.00225
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			J	0.00100	J	0.0040	U	0.058		0.0220		0.01240	U	0.0160	U	0.000148	U	0.000298	J	0.00555
CP MH SS 1015		U	6.1	U	0.0098	J	0.0014			J	0.00110	J	0.0039	U	0.058		0.0223		0.01010	U	0.0160	U	0.000148	U	0.000298	J	0.00371
LM No. 2			12.0		0.1100	U	0.0040			U	0.00091	J	0.0065		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 6, 2020	0.00																										
002		U	9.3		0.1000	U	0.0040			U	0.00091	U	0.0060		0.110		0.0250	J	0.00380	U	0.0120	U	0.003300	U	0.000053	J	0.00950
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012			J	0.00094	J	0.0037	U	0.058		0.0228		0.00746	U	0.0160	U	0.000148	U	0.000298	J	0.00264
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0037	U	0.058		0.0219		0.00625	U	0.0160	U	0.000148	U	0.000298	J	0.00396
CP MH SS 1015		U	6.1	U	0.0098	J	0.0013			U	0.00091	J	0.0055	U	0.058		0.0216		0.00560	U	0.0160	U	0.000148	U	0.000298	J	0.00206
LM No. 2		U	9.3	B	0.1700	U	0.0040			U	0.00091	U	0.0060		0.110		0.0260	U	0.00130	J	0.0330	U	0.003300	U	0.000053	U	0.00730
June 7, 2020	0.00																										
002			11.0	J	0.0630	U	0.0040			U	0.00091	U	0.0060		0.110		0.0260	J	0.00320	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0028			U	0.00091	J	0.0042	U	0.058		0.0306		0.00585	U	0.0160	U	0.000148	U	0.000298	J	0.00456
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0272		0.00981	U	0.0160	U	0.000148	U	0.000298		0.01530
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0026	J	0.070		0.0356		0.00735	U	0.0160	J	0.000317	U	0.000298	J	0.00666
LM No. 2		U	9.3	U	0.0540	U	0.0040			U	0.00091	J	0.0064		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 8, 2020	0.00																										
002			12.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00160	U	0.0120	U	0.003300	U	0.000053	J	0.00870
BF D MH SS 2316			22.0	U	0.0098	U	0.0012				0.00340		0.0140	U	0.058		0.0267		0.01000	U	0.0160	U	0.000148	U	0.000298	J	0.00485
BF C MH SS 2816		J	8.0	U	0.0098	U	0.0012			U	0.00091	J	0.0063	U	0.058		0.0229		0.00580	U	0.0160	U	0.000148	U	0.000298	J	0.00598
CP MH SS 1015		J	10.0	U	0.0098	U	0.0012			U	0.00091		0.0065	U	0.058		0.0249		0.00720	U	0.0160	U	0.000148	U	0.000298	J	0.00655
LM No. 2		U	11.0	B	0.1500	U	0.0040			U	0.00091	U	0.0060		0.110		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 9, 2020	0.00																										
002		U	9.3		0.0860	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.130		0.0274	J	0.00488	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.01010	U	0.0160	J	0.000151	U	0.000298	J	0.00349
CP MH SS 1015		J	10.0	U	0.0098	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0291		0.00642	U	0.0160	J	0.000150	U	0.000298	J	0.00309
LM No. 2		U	9.3		0.1200	U	0.0040			U	0.00091	U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 10, 2020	0.04																										
002		U	9.3	J	0.0860	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00740
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0045			U	0.00091	U	0.0025	U	0.058		0.0260		0.00737	U	0.0160	U	0.000148	U	0.000298	J	0.00235
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0221		0.00783	U	0.0160	U	0.000148	U	0.000298	J	0.00134
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0229		0.00593	U	0.0160	U	0.000148	U	0.000298	J	0.00192
LM No. 2			10.0		0.2300	U	0.0040			U	0.00091	J	0.0065		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
June 11, 2020	0.05																										
002			14.0	U	0.0540	U	0.0040			U	0.00091		0.0160		0.120		0.0240	J	0.00610	U	0.0120	U	0.003300	U	0.000053		0.02100
BF D MH SS 2316		J	10.0	U	0.0098	U	0.0012			J	0.00150	U	0.0025	U	0.058		0.0329		0.00716	U	0.0160	J	0.000238	U	0.000298	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.01510	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0265		0.00711	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2			11.0	J	0.0950	U	0.0040			U	0.00091	JB	0.0092		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 12, 2020	0.00																										
002			12.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0220	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	10.0	U	0.0098	J	0.0037			U	0.00091	U	0.0025	U	0.058		0.0243		0.00951	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	12.0	J	0.0129	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0228		0.01140	U	0.0160	U	0.000148	U	0.000298	J	0.00104
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0239		0.00996	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2		J	9.6		0.1900	U	0.0040			U	0.00091	B	0.0140		0.120		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 13, 2020	0.09																										
002			13.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012				0.00280	U	0.0025	U	0.058		0.0226		0.01560	U	0.0160	J	0.000154	U	0.000298	U	0.00101
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0221		0.02230	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0204		0.00926	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2			11.0	J	0.0740	U	0.0040			U	0.00091	B	0.0120		0.120		0.0240	U	0.00130	U	0.0160	U	0.003300	U	0.000053	U	0.00730
June 14, 2020	0.00																										
002			12.0		0.2600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	12.0	U	0.0098	J	0.0016			J	0.00190	U	0.0025	U	0.058		0.0259		0.01110	U	0.0160	J	0.000222	U	0.000298	J	0.00348
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0226		0.00612	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0226		0.01090	U	0.0160	U	0.000148	U	0.000298	J	0.00156
LM No. 2		U	9.3		0.1100	U	0.0040			U	0.00091	B	0.0140		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 15, 2020	0.00																										
002		U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00610	J	0.0160	U	0.003300	U	0.000053	J	0.01600
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0306		0.01100	U	0.0160	U	0.000148	U	0.000298	J	0.00180
BF C MH SS 2816		U	6.1	J	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0258		0.00935	U	0.0160	U	0.000148	U	0.000298	J	0.00256
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0312	J	0.00308	J	0.0207	J	0.000229	U	0.000298	J	0.00127
LM No. 2		U	9.3		0.1900	U	0.0040			U	0.00091	J	0.0068		0.120		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 16, 2020	0.00																										
002		J	9.9		0.2600	U	0.0040			U	0.00091	B	0.0140		0.120		0.0260	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01600
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0255		0.00860	U	0.0160	U	0.000148	U	0.000298	J	0.00228
BF C MH SS 2816		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0235		0.00666	U	0.0160	U	0.000148	U	0.000298	J	0.00241
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0261	J	0.00402	U	0.0160	U	0.000148	U	0.000298	J	0.00338
LM No. 2			11.0		0.1500	U	0.0040			U	0.00091	J	0.0089		0.120		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 17, 2020	0.00																										
002			10.0	J	0.0580	U	0.0040			U	0.00091	J	0.0087		0.120		0.0240	J	0.00480	U	0.0120	U	0.003300	U	0.000053	J	0.00860
BF D MH SS 2316		J	12.0	U	0.0098	J	0.0031			U	0.00091	U	0.0025	U	0.058	B	0.0286	J	0.00305	U	0.0160	U	0.000148	U	0.000298	J	0.00151
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0242	J	0.00483	U	0.0160	U	0.000148	U	0.000298	J	0.00271
CP MH SS 1015		J	10.0	U	0.0098	J	0.0014			U	0.00091	U	0.0025	U	0.058	B	0.0256	J	0.00491	U	0.0160	J	0.000169	U	0.000298	J	0.00472
LM No. 2			11.0		0.4600	U	0.0040			U	0.00091		0.0180		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
June 18, 2020	0.00																										
002			12.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00500	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0013			U	0.00091	J	0.0030	U	0.058	B	0.0343		0.02450	U	0.0160	U	0.000148	U	0.000298	J	0.00306
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0265		0.00876	U	0.0160	U	0.000148	U	0.000298	J	0.00401
CP MH SS 1015		U	6.1	U	0.0098	J	0.0023			U	0.00091	U	0.0025	U	0.058	B	0.0275	J	0.00385	U	0.0160	J	0.000211	U	0.000298	J	0.00217
LM No. 2			11.0		0.2700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 19, 2020	0.00																										
002		U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.120		0.0210	J	0.00520	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0338		0.01090	U	0.0160	U	0.000148	U	0.000298	J	0.00129
BF C MH SS 2816		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0269		0.00947	U	0.0160	U	0.000148	U	0.000298	J	0.00206
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0286		0.02280	U	0.0160	J	0.000185	U	0.000298	J	0.00604
LM No. 2			12.0	B	0.2100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 20, 2020	0.00																										
002		U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.110		0.0210	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0257		0.01820	U	0.0160	U	0.000148	U	0.000298	J	0.00283
BF C MH SS 2816		J	10.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0273		0.01420	U	0.0160	U	0.000148	U	0.000298	J	0.00391
CP MH SS 1015		J	8.0	U	0.0098	J	0.0028				0.00250	U	0.0025	U	0.058	B	0.0284		0.01940	U	0.0160	J	0.000200	U	0.000200	J	0.00311
LM No. 2		U	9.3	B	0.2500	U	0.0040			U	0.00091		0.0110		0.110		0.0200	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 21, 2020	0.03																										
002		U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.110		0.0220	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00780
BF D MH SS 2316		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0260		0.02080	U	0.0160	U	0.000148	U	0.000298	J	0.00285
BF C MH SS 2816		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0280		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00853
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0314		0.01320	U	0.0160	J	0.000174	U	0.000298	J	0.00416
LM No. 2		U	9.3	B	0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 22, 2020	0.00																										
002			12.0		0.2000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0272		0.01240	U	0.0160	U	0.000148	U	0.000298	J	0.00216
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0243		0.01210	U	0.0160	U	0.000148	U	0.000298		0.01200
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0278		0.01180	U	0.0160	J	0.000299	U	0.000298	J	0.00499
LM No. 2			11.0	JB	0.0860	U	0.0040			U	0.00091	JB	0.0062		0.110		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 23, 2020	1.48																										
002		U	9.3		0.2200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0290	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			U	0.00091	J	0.0037	U	0.058	B	0.0234		0.01920	U	0.0160	U	0.000148	U	0.000298	J	0.00375
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0041	U	0.058	B	0.0260		0.01190	U	0.0098	U	0.000148	U	0.000298		0.01430
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0054	U	0.058	B	0.0284		0.00994	U	0.0160	J	0.000389	U	0.000298	J	0.00723
LM No. 2			13.0		0.3300	U	0.0040			U	0.00091	B	0.0100		0.110		0.0290	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 24, 2020	0.02																										
002		U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0239		0.01450	U	0.0160	U	0.000148	U	0.000298	J	0.00243
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0028	U	0.058	B	0.0229		0.01400	U	0.0160	U	0.000148	U	0.000298	J	0.00949
CP MH SS 1015		J	10.0	U	0.0098	J	0.0021				0.00220	U	0.0025	U	0.058	B	0.0237		0.02270	U	0.0160	J	0.000394	U	0.000298	J	0.00480
LM No. 2			11.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
June 25, 2020	0.92																										
002			18.0	B	0.2200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0210	J	0.00480	J	0.0200	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.00840	U	0.0160	U	0.000148	U	0.000298	J	0.00270
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276		0.00600	U	0.0160	U	0.000148	U	0.000298	J	0.00407
CP MH SS 1015		J	8.0	U	0.0098	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0534		0.00726	U	0.0160	J	0.000219	U	0.000298	J	0.00677
LM No. 2			17.0		0.1000	U	0.0040			U	0.00091	J	0.0080		0.120		0.0200	U	0.00130	J	0.0140	J	0.004100	U	0.000053	U	0.00730
June 26, 2020	0.00																										
002			18.0		0.2700	U	0.0040			U	0.00091	J	0.0090		0.120		0.0250	J	0.00530	J	0.0130	U	0.003300	U	0.000053	J	0.00760
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			U	0.00091		0.0089	U	0.058		0.0279		0.01690	U	0.0160	J	0.000265	U	0.000298	J	0.00506
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251		0.00813	U	0.0160	U	0.000148	U	0.000298		0.02320
CP MH SS 1015		J	8.0	U	0.0098	J	0.0022			J	0.00160	J	0.0036	U	0.058		0.0296		0.00763	U	0.0160	J	0.000193	U	0.000298	J	0.00279
LM No. 2			18.0		0.1100	J	0.0042			U	0.00091	J	0.0071		0.120		0.0250	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
June 27, 2020	1.05																										
002			14.0		0.1500	U	0.0040			U	0.00091		0.1100		0.120		0.0250	J	0.00460	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.0	U	0.0098	U	0.0012			U	0.00091	J	0.0043	U	0.058		0.0250		0.01240	U	0.0160	J	0.000149	U	0.000298	J	0.00286
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0051	U	0.058		0.0248		0.01440	U	0.0160	U	0.000148	U	0.000298	J	0.00280
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251		0.00814	U	0.0160	J	0.000232	U	0.000298	J	0.00317
LM No. 2			18.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
June 28, 2020	0.00																										
002			18.0		0.2500	U	0.0040			U	0.00091	J	0.0097		0.120		0.0250	J	0.00510	J	0.0140	U	0.003300	U	0.000053	J	0.00840
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0030			U	0.00091	U	0.0025	U	0.058		0.0287		0.00755	U	0.0160	U	0.000148	U	0.000298	J	0.00271
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	J	0.0034	U	0.058		0.0268		0.00779	U	0.0160	J	0.000214	U	0.000298	J	0.00419
CP MH SS 1015		J	8.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0304		0.01030	U	0.0160	J	0.000193	U	0.000298	J	0.00295
LM No. 2			17.0	J	0.0570	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
June 29, 2020	0.00																										
002			17.0		0.1700	U	0.0040			U	0.00091	J	0.0076		0.120		0.0270	J	0.00630	J	0.0130	U	0.003300	U	0.000053	J	0.00810
BF D MH SS 2316		J	9.5	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0253		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00404
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0244		0.01210	U	0.0160	U	0.000148	U	0.000298	J	0.00425
CP MH SS 1015		U	6.1	U	0.0098	J	0.0015			U	0.00091	U	0.0025	U	0.058		0.0251		0.00999	U	0.0160	U	0.000148	U	0.000298	J	0.00409
LM No. 2			17.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00150	J	0.0140	U	0.003300	U	0.000053	U	0.00730
June 30, 2020	0.02																										
002			14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.110		0.0780	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		J	7.3	U	0.0098	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0244		0.00831	U	0.0160	U	0.000148	U	0.000298	J	0.00264
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0234		0.00862	U	0.0160	U	0.000148	U	0.000298	J	0.00364
CP MH SS 1015		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0239		0.00798	U	0.0160	U	0.000148	U	0.000298	J	0.00342
LM No. 2			13.0		0.2400	U	0.0040			U	0.00091	U	0.0060		0.110		0.0320	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 1, 2020	0.00																										
002			14.0	J	0.0580	U	0.0040			U	0.00091	U	0.0060		0.120		0.0330	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00760
BF D MH SS 2316		J	7.3	U	0.0098	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0243		0.01920	U	0.0160	U	0.000148	U	0.000298	J	0.00264
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0240		0.01240	U	0.0160	U	0.000148	U	0.000298	J	0.00458
CP MH SS 1015		J	9.5	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0234		0.01070	U	0.0160	U	0.000148	U	0.000298	J	0.00265
LM No. 2			12.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
July 2, 2020	0.00																										
002			16.0		0.3900	U	0.0040			U	0.00091	U	0.0060		0.110		0.0300	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0225		0.01490	U	0.0160	U	0.000148	U	0.000298	J	0.00382
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0223		0.01730	U	0.0160	U	0.000148	U	0.000298	J	0.00505
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0032	U	0.058		0.0227		0.02400	U	0.0160	U	0.000148	U	0.000298	J	0.00317
LM No. 2			16.0	J	0.0600	U	0.0040			U	0.00091	U	0.0060		0.110		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 3, 2020	0.00																										
002			12.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0303		0.00922	U	0.0160	U	0.000148	U	0.000298	J	0.00359
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0261		0.01010	U	0.0160	U	0.000148	U	0.000298	J	0.00881
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0316		0.00824	U	0.0160	U	0.000148	U	0.000298	J	0.00507
LM No. 2			13.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
July 4, 2020	0.00																										
002			13.0		0.2400	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00530	J	0.0170	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252		0.01010	U	0.0160	U	0.000148	U	0.000298		0.02060
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0234		0.01910	U	0.0160	U	0.000148	U	0.000298		0.01130
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252		0.01080	U	0.0160	U	0.000148	U	0.000298	J	0.00421
LM No. 2			11.0	J	0.0590	U	0.0040			U	0.00091	U	0.0060		0.110		0.0270	U	0.00130	J	0.0210	U	0.003300	U	0.000053	U	0.00730
July 5, 2020	0.00																										
002			12.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.110		0.0270	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0286		0.01510	U	0.0160	U	0.000148	U	0.000298	J	0.00424
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248		0.00752	U	0.0160	U	0.000148	U	0.000298	J	0.00569
CP MH SS 1015		U	6.1	U	0.0098	J	0.0028			U	0.00091	U	0.0025	U	0.058		0.0294		0.01570	U	0.0160	J	0.000177	U	0.000053	J	0.00175
LM No. 2			12.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 6, 2020	0.00																										
002			9.6		0.1100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00530	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0231		0.01460	U	0.0160	U	0.000148	U	0.000298	J	0.00394
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0223		0.01190	U	0.0160	U	0.000148	U	0.000298	J	0.00618
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0231		0.00680	U	0.0160	U	0.000148	U	0.000298	J	0.00217
LM No. 2		U	9.3		0.3400	U	0.0040			U	0.00091	U	0.0060		0.110		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 7, 2020	0.00																										
002			11.0		0.1600	U	0.0040			U	0.00091	J	0.0080		0.110		0.0340	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00900
BF D MH SS 2316		J	12.0	U	0.0098	J	0.0026				0.00230	U	0.0025	U	0.058		0.0234		0.00897	U	0.0160	U	0.000148	U	0.000298	J	0.00165
BF C MH SS 2816		J	9.5	U	0.0098	U	0.0012			J	0.00095	U	0.0025	U	0.058		0.0238		0.01630	U	0.0160	U	0.000148	U	0.000298	J	0.00845
CP MH SS 1015		U	6.1		0.0812	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0236		0.00835	U	0.0160	U	0.000148	U	0.000298	J	0.00259
LM No. 2		U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	J	0.00180	U	0.0120	U	0.003300	U	0.000053	J	0.00900
July 8, 2020	0.02																										
002			11.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.110		0.0300	J	0.00470	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0258		0.01050	U	0.0160	U	0.000148	U	0.000298	J	0.00175
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.00802	U	0.0160	U	0.000148	U	0.000298	J	0.00399
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0253		0.00889	U	0.0160	U	0.000148	U	0.000298	J	0.00125
LM No. 2		J	9.9	U	0.0540	U	0.0040			U	0.00091	J	0.0660		0.110		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
July 9, 2020	0.00																									
002			13.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120	0.0240	J	0.00440	U	0.0120	U	0.003300	U	0.000053	J	0.01100
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0287	J	0.00371	U	0.0160	U	0.000148	U	0.000298	J	0.00142
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0241		0.00516	U	0.0160	U	0.000148	U	0.000298	J	0.00480
CP MH SS 1015		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0254		0.00644	U	0.0160	U	0.000148	U	0.000298	J	0.00113
LM No. 2			15.0		0.2500	U	0.0040			U	0.00091	U	0.0060		0.110	0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 10, 2020	0.20																									
002			15.0		0.1300	U	0.0040			U	0.00091	J	0.0068		0.120	0.0280	J	0.00490	U	0.0120	U	0.003300	J	0.000110	J	0.00900
BF D MH SS 2316		U	6.1	U	0.0098		0.0055			J	0.00130	U	0.0025	U	0.058	0.0254		0.01480	U	0.0160	J	0.000199	U	0.000298	J	0.00254
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0014			U	0.00140	U	0.0025	U	0.058	0.0261		0.02750	U	0.0160	J	0.000179	U	0.000298	J	0.00308
CP MH SS 1015		J	7.3		0.0420	J	0.0015			U	0.00091	U	0.0025	U	0.058	0.0289		0.01210	U	0.0160	J	0.000239	U	0.000298	J	0.00232
LM No. 2			15.0		0.1800	U	0.0040			U	0.00091	J	0.0087		0.120	0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 11, 2020	0.90																									
002			14.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120	0.0260	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0013			U	0.00091	U	0.0025	U	0.058	0.0252		0.01650	U	0.0160	U	0.000148	U	0.000298	J	0.00191
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0235		0.00869	U	0.0160	U	0.000148	U	0.000298	J	0.00230
CP MH SS 1015		J	9.5	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0257		0.00857	U	0.0160	U	0.000148	U	0.000298	J	0.00188
LM No. 2		J	9.6	J	0.0820	U	0.0040			U	0.00091	J	0.0072		0.120	0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 12, 2020	0.07																									
002			12.0		0.1700	U	0.0040			U	0.00091	J	0.0084		0.120	0.0240	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.00840
BF D MH SS 2316		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0284		0.01430	U	0.0160	J	0.000222	U	0.000298	J	0.00393
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0259		0.02370	U	0.0160	J	0.000237	U	0.000298	J	0.00345
CP MH SS 1015		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0251	J	0.00487	U	0.0160	U	0.000148	U	0.000298	J	0.00321
LM No. 2			15.0		0.1300	U	0.0040			U	0.00091		0.0110		0.120	0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 13, 2020	0.00																									
002			17.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.120	0.0310	J	0.00560	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0		0.0460	J	0.0013			U	0.00091	U	0.0025	U	0.058	0.0283		0.00798	J	0.0237	J	0.000328	U	0.000298	J	0.00459
BF C MH SS 2816		U	6.1		0.0388	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0280		0.01880	U	0.0160	U	0.000265	U	0.000298	J	0.00708
CP MH SS 1015		J	9.5		0.0380	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0267		0.01190	U	0.0160	J	0.000237	U	0.000298	J	0.00525
LM No. 2			14.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.120	0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 14, 2020	0.00																									
002			14.0		0.1400	U	0.0040			U	0.00091	J	0.0110		0.120	0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053		0.02500
BF D MH SS 2316		J	14.0		0.0444	J	0.0022			U	0.00091	U	0.0025	U	0.058	0.0252		0.01330	U	0.0160	J	0.000297	U	0.000298	J	0.00419
BF C MH SS 2816		J	7.3		0.0386	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0239		0.00792	U	0.0160	U	0.000148	U	0.000298	J	0.00510
CP MH SS 1015		J	12.0		0.0418	J	0.0045			U	0.00091	U	0.0025	U	0.058	0.0266	J	0.00280	U	0.0160	J	0.000181	U	0.000298	J	0.00367
LM No. 2			13.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.130	0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 15, 2020	0.00																									
002			15.0	J	0.0750	U	0.0040			U	0.00091	J	0.0091		0.140	0.0700	J	0.00430	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		No Access to Sample Location / Blast Furnace Idle																								
BF C MH SS 2816		J	16.0	U	0.0098	U	0.0012			U	0.00091	J	0.0033	U	0.058	0.0250		0.01460	U	0.0160	U	0.000148	U	0.000298	J	0.00423
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			J	0.00130	J	0.0028	U	0.058	0.0264		0.00767	U	0.0160	J	0.000169	U	0.000298	J	0.00306
LM No. 2			13.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.110	0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
July 16, 2020	0.95																									
002			14.0		0.2600	U	0.0040			U	0.00091		0.0140		0.140	0.0290	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00840
BF D MH SS 2316		No Access to Sample Location / Blast Furnace Idle																								
BF C MH SS 2816		U	6.1	J	0.0225	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0299		0.01070	U	0.0160	U	0.000148	U	0.000298	J	0.00580
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0266		0.01870	U	0.0160	J	0.000288	U	0.000298	J	0.00444
LM No. 2			14.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.140	0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 17, 2020	0.00																									
002			16.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.130	0.0260	J	0.00450	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0		0.0449	J	0.0014			U	0.00091	J	0.0036	U	0.058	0.0320		0.00830	U	0.0160	J	0.000184	U	0.000298	J	0.00257
BF C MH SS 2816		J	7.3		0.0489	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0272		0.01020	U	0.0160	J	0.000208	U	0.000298	J	0.00280
CP MH SS 1015			20.0		0.0534	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0296		0.00593	U	0.0160	J	0.000171	U	0.000298	J	0.00243
LM No. 2			14.0	J	0.0640	U	0.0040			U	0.00091	U	0.0060		0.130	0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 18, 2020	0.00																									
002			13.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.130	0.0290	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0497	U	0.0012			U	0.00091	J	0.0037	U	0.058	0.0267		0.01340	U	0.0160	U	0.000148	U	0.000298	J	0.00241
BF C MH SS 2816		J	14.0		0.0486	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0267		0.00911	U	0.0160	J	0.000246	U	0.000298	J	0.00409
CP MH SS 1015		J	9.5		0.0472	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0269		0.00543	U	0.0160	J	0.000212	U	0.000298	J	0.00259
LM No. 2			15.0	J	0.0740	U	0.0040			U	0.00091	U	0.0060		0.120	0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 19, 2020	0.00																									
002			19.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.130	0.0260	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0033			U	0.00091	U	0.0025	U	0.058	0.0229		0.01060	U	0.0470	U	0.000220	U	0.000260	J	0.00392
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0225		0.02880	U	0.0470	J	0.000266	U	0.000260	J	0.00741
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0240		0.00876	U	0.0470	U	0.000220	U	0.000260	J	0.00423
LM No. 2			14.0	J	0.0920	U	0.0040			U	0.00091	J	0.0067		0.120	0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 20, 2020	0.45																									
002			17.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120	0.0320	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0205	U	0.0012				0.00330	U	0.0025	U	0.058	0.0219		0.01170	U	0.0470	U	0.000220	U	0.000260	J	0.00305
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0247		0.01970	U	0.0470	U	0.000220	U	0.000260	J	0.00582
CP MH SS 1015		J	12.0	J	0.0165	U	0.0012			J	0.00110	U	0.0025	U	0.058	0.0300		0.00991	U	0.0470	J	0.000232	U	0.000260	J	0.00759
LM No. 2			17.0		0.2000	U	0.0040			U	0.00091	U	0.0060		0.120	0.0300	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 21, 2020	0.00																									
002			11.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120	0.0280	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.5	J	0.0270	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0214		0.00786	U	0.0160	U	0.000220	U	0.000260	J	0.00535
BF C MH SS 2816		U	6.1	J	0.0179	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0221		0.00930	U	0.0160	U	0.000220	U	0.000260	J	0.00756
CP MH SS 1015		J	9.5	J	0.0103	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0298	J	0.00374	U	0.0160	U	0.000220	U	0.000260	J	0.00395
LM No. 2		J	9.6		0.1300	U	0.0040			U	0.00091	J	0.0076		0.120	0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 22, 2020	0.12																									
002			12.0	J	0.0810	U	0.0040			U	0.00091	U	0.0060		0.130	0.0400	J	0.00510	J	0.0160	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0207	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0254		0.02070	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	7.3	J	0.0133	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0261		0.01020	U	0.0160	J	0.000151	U	0.000298	J	0.00625
CP MH SS 1015		J	7.3	J	0.0213	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0262		0.00831	U	0.0160	J	0.000152	U	0.000298	J	0.00135
LM No. 2		U	9.3		0.1700	U	0.0040			U	0.00091	U	0.0060		0.130	0.0350	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
July 23, 2020	0.04																										
002			12.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00510	J	0.0240	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0308		0.01030	U	0.0160	U	0.000148	U	0.000298	J	0.00299
BF C MH SS 2816		U	6.1	J	0.0124	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0294		0.00929	U	0.0160	U	0.000148	U	0.000298	J	0.00634
CP MH SS 1015		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0308		0.01680	U	0.0160	J	0.000188	U	0.000298	J	0.00425
LM No. 2		J	9.9		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	J	0.0210	U	0.003300	U	0.000053	U	0.00730
July 24, 2020	0.00																										
002		U	9.3	J	0.0950	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275		0.01000	U	0.0160	U	0.000148	U	0.000298	J	0.00621
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0060	U	0.058		0.0261		0.01620	U	0.0160	J	0.000189	U	0.000298	J	0.00495
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0060	U	0.058		0.0275		0.00679	U	0.0160	U	0.000148	U	0.000298	J	0.00383
LM No. 2			10.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 25, 2020	0.00																										
002		U	9.3	J	0.0730	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00470	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.3	J	0.0152	U	0.0012				0.00510	U	0.0025	U	0.058		0.0277		0.02150	U	0.0160	U	0.000148	U	0.000298	J	0.00476
BF D MH SS 2316 (rerun)										J	0.00130																
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0262		0.00517	U	0.0160	U	0.000148	U	0.000298	J	0.00518
BF C MH SS 2816 (rerun)										J	0.00140																
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012				0.00200	U	0.0025	U	0.058		0.0276		0.00695	U	0.0160	U	0.000148	U	0.000298	J	0.00531
CP MH SS 1015 (rerun)										J	0.00100																
LM No. 2			12.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 26, 2020	0.00																										
002			13.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.1100	U	0.0012				0.00460	U	0.0025	U	0.058		0.0219		0.00758	U	0.0160	U	0.000148	U	0.000298	J	0.00219
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			J	0.00140	U	0.0025	U	0.058		0.0221		0.01060	U	0.0160	U	0.000148	U	0.000298	J	0.00773
BF C MH SS 2816 (rerun)										U	0.00091																
CP MH SS 1015		U	6.1	U	0.0098	J	0.0024				0.00360	U	0.0025	U	0.058		0.0224		0.00748	U	0.0160	U	0.000148	U	0.000298	J	0.00347
CP MH SS 1015 (rerun)						J	0.0038				0.00400																
LM No. 2			12.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00240	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 27, 2020	0.08																										
002			14.0	J	0.0890	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0457	U	0.0012			J	0.00160	U	0.0025	U	0.058		0.0288		0.01010	U	0.0160	U	0.000148	U	0.000053	U	0.00101
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0294		0.01750	U	0.0160	U	0.000148	U	0.000298	J	0.00276
CP MH SS 1015		J	9.5	U	0.0098	U	0.0012			J	0.00150	U	0.0025	U	0.058		0.0343		0.00624	U	0.0160	U	0.000148	U	0.000298	J	0.00208
CP MH SS 1015 (rerun)										J	0.00140																
LM No. 2			12.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 28, 2020	0.15																										
002			16.0	J	0.0720	U	0.0040	U	0.00091			J	0.0076		0.110		0.0310	J	0.00500	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0243		0.00723	U	0.0160	U	0.000148	U	0.000298	J	0.00168
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279		0.01190	U	0.0160	J	0.000149	U	0.000298	J	0.00296
CP MH SS 1015		U	6.1	J	0.0147	J	0.0019				0.00240	U	0.0025	U	0.058		0.0233		0.01210	U	0.0160	U	0.000148	U	0.000298	J	0.00263
CP MH SS 1015 (rerun)						J	0.0024			J	0.00190																
LM No. 2			18.0		0.1200	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
July 29, 2020	0.00																										
002			15.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00480	JB	0.0150	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0205	U	0.0012				0.00200	U	0.0025	J	0.080		0.0229		0.00648	U	0.0160	U	0.000148	U	0.000298	J	0.00217
BF C MH SS 2816		J	12.0	J	0.0164	J	0.0013			U	0.00091	U	0.0025	J	0.080		0.0231		0.00949	U	0.0160	U	0.000148	U	0.000298	J	0.00353
CP MH SS 1015		J	9.5	J	0.0226	U	0.0012			U	0.00091	U	0.0025		0.110		0.0237		0.00511	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2			14.0		0.1800	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	JB	0.0150	U	0.003300	U	0.000053	U	0.00730
July 30, 2020	0.00																										
002			10.0	B	0.2300	U	0.0040	U	0.00091			J	0.0062		0.130		0.0460	J	0.00510	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0369	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0254		0.01270	U	0.0160	J	0.000668	U	0.000298	J	0.00472
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0225		0.00691	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.01540	U	0.0160	J	0.000227	U	0.000298	U	0.00101
LM No. 2			14.0	JB	0.0950	U	0.0040	U	0.00091			U	0.0060		0.120		0.0340	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
July 31, 2020	0.00																										
002			[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
BF D MH SS 2316			[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
BF C MH SS 2816			[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
CP MH SS 1015			[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
LM No. 2			[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
August 1, 2020	0.00																										
002		U	9.3		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00520	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.8	J	0.0300	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0236		0.01750	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242		0.01300	U	0.0160	J	0.000184	U	0.000298	U	0.00101
CP MH SS 1015		J	9.5	J	0.0158	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271		0.00806	U	0.0160	J	0.000262	U	0.000298	U	0.00101
LM No. 2			12.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 2, 2020	0.60																										
002		U	9.3	J	0.0940	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.01570	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	9.5	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.01120	U	0.0160	J	0.000667	U	0.000298	J	0.00126
CP MH SS 1015		J	12.0	U	0.0098	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0234		0.01180	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 3, 2020	0.65																										
002		U	9.3	J	0.0870	U	0.0040	U	0.00091			J	0.0064		0.120		0.0240	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			20.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0230		0.00926	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	9.5	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0254		0.00995	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015		J	12.0	J	0.0101	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0278		0.01370	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2		U	9.3	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 4, 2020	0.44																										
002		U	9.3		0.1700	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00590	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.5	J	0.0253	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268	J	0.00203	U	0.0160	J	0.000165	U	0.000298	U	0.00101
BF C MH SS 2816		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00420	U	0.0160	J	0.000301	U	0.000298	U	0.00101
CP MH SS 1015			14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0340	J	0.00167	U	0.0160	J	0.000342	U	0.000298	U	0.00101
LM No. 2			16.0		0.1000	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
August 5, 2020	0.00																										
002			10.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0340	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.5	J	0.0206	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00167	U	0.0160	J	0.000214	U	0.000298	U	0.00101
BF C MH SS 2816		J	9.5	J	0.0132	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00368	U	0.0160	J	0.000274	U	0.000298	U	0.00101
CP MH SS 1015		J	18.0	J	0.0101	J	0.0024				0.00330	U	0.0025	U	0.058		0.0284	J	0.00060	U	0.0160	J	0.000422	U	0.000298	U	0.00101
LM No. 2			18.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 6, 2020	0.01																										
002			18.0	J	0.0800	U	0.0040	U	0.00091			U	0.0060		0.110		0.0290	J	0.00450	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.8	J	0.0122	U	0.0012			J	0.00098	U	0.0025	U	0.058		0.0251		0.01200	J	0.0675	J	0.000192	U	0.000298	J	0.00119
BF C MH SS 2816		J	12.0	J	0.0135	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0261		0.00518	J	0.0550	U	0.000146	U	0.000298	J	0.00152
CP MH SS 1015		J	9.5	J	0.0134	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0299		0.00584		0.1790	J	0.000254	U	0.000298	U	0.00101
LM No. 2			18.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 7, 2020	0.00																										
002			16.0	J	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00464	J	0.0504	J	0.000157	U	0.000298	U	0.00101
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0240		0.00837	U	0.0160	J	0.000170	U	0.000298	J	0.00110
CP MH SS 1015		J	7.3	J	0.0102	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0263		0.00842	U	0.0160	J	0.000227	U	0.000298	U	0.00101
LM No. 2			21.0	J	0.0830	U	0.0040	U	0.00091				0.0170		0.120		0.0260	J	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
August 8, 2020	0.00																										
002			19.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251		0.00935	U	0.0160	J	0.000335	U	0.000298	J	0.00918
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0235		0.00688	U	0.0160	U	0.000148	U	0.000298	J	0.00304
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0244		0.00575	U	0.0160	J	0.000203	U	0.000298	J	0.00318
LM No. 2			17.0		0.2300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 9, 2020	0.00																										
002			15.0	J	0.0830	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0265	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0224		0.00844	U	0.0160	U	0.000148	U	0.000298	J	0.00244
BF C MH SS 2816		J	7.3	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0226		0.01940	U	0.0160	J	0.000164	U	0.000298	J	0.00353
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0229		0.01340	U	0.0160	J	0.000270	U	0.000298	J	0.00836
LM No. 2			13.0	J	0.0580	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 10, 2020	0.02																										
002			18.0	J	0.0630	U	0.0040	U	0.00091			U	0.0060		0.100		0.0230	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01300
BF D MH SS 2316		U	6.1	J	0.0160	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0241		0.01050	U	0.0160	U	0.000148	U	0.000298	J	0.00156
BF C MH SS 2816		J	9.5	J	0.0226	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0227		0.01540	U	0.0160	U	0.000148	U	0.000298	J	0.00289
CP MH SS 1015		J	18.0	J	0.0187	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0232	J	0.00454	U	0.0160	U	0.000148	U	0.000298	J	0.00205
LM No. 2		U	9.3	J	0.0920	U	0.0040	U	0.00091			U	0.0060		0.100		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
August 11, 2020	0.34																										
002			16.0	J	0.0600	U	0.0040		0.00500			U	0.0060		0.120		0.0220	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00860
002 (rerun)								U	0.00091	J	0.00140																
BF D MH SS 2316		J	9.5	J	0.0263	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0230		0.00740	U	0.0160	U	0.000148	U	0.000298	J	0.00260
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		J	7.3	J	0.0194	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0234	J	0.00450	U	0.0160	U	0.000148	U	0.000298	J	0.00475
BF C MH SS 2816 (rerun)										U	0.00091																
CP MH SS 1015		J	7.3	J	0.0183	J	0.0042				0.00410	U	0.0025	J	0.090		0.0233		0.00996	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015 (rerun)											0.00340																
LM No. 2		U	16.0	J	0.0870	U	0.0040	U	0.00091				0.0190		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00091	U	0.00091																
August 12, 2020	0.00																										
002			18.0		0.1800	U	0.0040	U	0.00091				0.0120		0.130		0.0240	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00810
BF D MH SS 2316		J	16.0	U	0.0098	J	0.0013			U	0.00091	U	0.0025	J	0.060		0.0248		0.00533	U	0.0160	J	0.001460	U	0.000298		0.01310
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0020			U	0.00091	U	0.0025	J	0.060		0.0236		0.00753	U	0.0160	U	0.000148	U	0.000298	J	0.00314
CP MH SS 1015		J	14.0	U	0.0098	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0253		0.00742	U	0.0160	U	0.000148	U	0.000298	J	0.00185
LM No. 2			18.0	J	0.0670	U	0.0040	U	0.00091			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 13, 2020	0.00																										
002			13.0	J	0.0550	J	0.0042		0.00320			U	0.0060		0.120		0.0250	J	0.00590	BU	0.0120	U	0.003300	U	0.000053	J	0.01300
002 (rerun)						J	0.0042	U	0.00091	U	0.00091																
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0240	J	0.00425	U	0.0160	U	0.000148	U	0.000298	J	0.00180
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251		0.01140	U	0.0160	J	0.000381	U	0.000298	J	0.00257
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0230		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00163
LM No. 2			13.0	JB	0.0780	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00091	U	0.00091																
August 14, 2020	0.00																										
002			14.0	JB	0.0570	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00490	J	0.0220	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		J	16.0	J	0.0129	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0224	J	0.00412	U	0.0160	U	0.000148	U	0.000298	J	0.00245
BF C MH SS 2816		J	18.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0243		0.01040	U	0.0160	J	0.000491	U	0.000298	J	0.00735
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0234		0.00949	U	0.0160	U	0.000148	U	0.000298	J	0.00261
LM No. 2			12.0	JB	0.0870	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 15, 2020	0.00																										
002		U	9.3	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0238	U	0.0012			J	0.00190	U	0.0025	U	0.058		0.0239		0.01180	U	0.0160	J	0.000203	U	0.000298	J	0.00281
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0245		0.00801	U	0.0160	J	0.000171	U	0.000298	J	0.00197
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257		0.00851	U	0.0160	J	0.000152	U	0.000298	J	0.00256
LM No. 2		U	9.3	J	0.0550	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 16, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091			J	0.0066		0.120		0.0240	J	0.00500	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0126	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0264		0.00686	U	0.0160	J	0.000192	U	0.000298	J	0.00285
BF C MH SS 2816		J	18.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.00997	J	0.0343	U	0.000148	U	0.000298	J	0.00250
CP MH SS 1015		J	18.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0245		0.00698	U	0.0160	U	0.000148	U	0.000298	J	0.00204
LM No. 2		U	9.3	J	0.0720	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
August 17, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00740
BF D MH SS 2316		J	14.0	J	0.0204	U	0.0012			U	0.00091	U	0.0025		0.058		0.0251		0.00611	U	0.0160	J	0.000174	U	0.000298	J	0.00420
BF C MH SS 2816		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.058		0.0256		0.01090	U	0.0160	U	0.000148	U	0.000298	J	0.00511
CP MH SS 1015		J	16.0	U	0.0098	U	0.0012			J	0.00091	U	0.0025		0.058		0.0272		0.00571	U	0.0160	J	0.000185	U	0.000298	J	0.00314
LM No. 2		U	9.3	J	0.0700	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 18, 2020	0.00																										
002		U	9.3	J	0.0560	U	0.0040	no sample				U	0.0060		0.120		0.0330	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0246		0.00994	U	0.0160	U	0.000148	U	0.000298	J	0.00201
BF C MH SS 2816		J	9.2	J	0.0147	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.01340	U	0.0160	U	0.000148	U	0.000298	J	0.00279
CP MH SS 1015		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0258		0.01060	U	0.0160	J	0.000264	U	0.000298	J	0.00313
LM No. 2		U	9.3	J	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 19, 2020	0.00																										
002		U	9.3	J	0.0930	U	0.0040	U	0.00091			U	0.0060		0.120		0.0330	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.1		0.0623	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276		0.00719	U	0.0160	U	0.000148	U	0.000298	J	0.00127
BF C MH SS 2816		J	11.0		0.1400	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0269		0.01310	U	0.0160	U	0.000148	U	0.000298	J	0.00280
CP MH SS 1015		J	9.2		0.0501	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0264		0.00598	U	0.0160	U	0.000148	U	0.000298	J	0.00223
LM No. 2		U	9.3		0.1000	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 20, 2020	0.00																										
002			17.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.1		0.0574	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.00717	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	14.0		0.0455	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0245		0.01160	U	0.0160	U	0.000148	U	0.000298	J	0.00118
CP MH SS 1015		J	11.0		0.0399	J	0.0015			U	0.00091	U	0.0025	U	0.058		0.0279		0.00994	U	0.0160	U	0.000148	U	0.000298	J	0.00112
LM No. 2			17.0	J	0.0760	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
August 21, 2020	0.00																										
002			19.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00530	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0151	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0235		0.01830	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	11.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242		0.00828	U	0.0160	J	0.000233	U	0.000298	U	0.00101
CP MH SS 1015		J	16.0	J	0.0161	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.02420	J	0.0160	J	0.000158	U	0.000298	U	0.00101
LM No. 2			16.0	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 22, 2020	0.00																										
002			14.0		0.1900	U	0.0040	U	0.00091			U	0.0060		0.120		0.0230	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.1	J	0.0208	J	0.0014			U	0.00091	J	0.0034	U	0.058		0.0247		0.00866	U	0.0160	U	0.000148	U	0.000298	J	0.00427
BF C MH SS 2816		J	14.0	J	0.0178	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0236		0.01940	U	0.0160	J	0.000189	U	0.000298	J	0.00780
CP MH SS 1015		J	9.2	J	0.0151	J	0.0013			U	0.00091	J	0.0030	J	0.060		0.0265		0.01560	U	0.0160	U	0.000148	U	0.000298	J	0.00712
LM No. 2			16.0	J	0.0760	U	0.0040	U	0.00091			BU	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 23, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01500
BF D MH SS 2316		J	11.0	J	0.0190	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0235		0.00774	U	0.0160	U	0.000148	U	0.000298	J	0.00349
BF C MH SS 2816		J	9.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0222		0.00979	U	0.0160	U	0.000148	U	0.000298	J	0.00472
CP MH SS 1015			22.0		0.0620	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0237		0.01020	U	0.0160	U	0.000148	U	0.000298	J	0.00550
LM No. 2			16.0		0.1300	U	0.0040	U	0.00091			JB	0.0094		0.110		0.0230	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
August 24, 2020	0.00																										
002			19.0	J	0.0600	U	0.0040	U	0.00091				0.0300		0.110		0.0220	J	0.00590	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00091	J	0.0027	U	0.058		0.0266		0.00979	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	11.0	J	0.0132	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0241		0.00942	U	0.0160	U	0.000148	U	0.000298	J	0.00413
CP MH SS 1015		J	14.0	J	0.0185	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.00520	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2			12.0		0.1300	U	0.0040	J	0.00130			U	0.0060		0.110		0.0190	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 25, 2020	0.00																										
002			13.0	J	0.0910	U	0.0040	U	0.00091			U	0.0600		0.120		0.0250	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00860
BF D MH SS 2316		J	9.2	J	0.0190	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0235		0.01700	U	0.0160	U	0.000148	U	0.000298	J	0.00446
BF C MH SS 2816		J	9.2		0.0438	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0239		0.00773	U	0.0160	U	0.000148	U	0.000298	J	0.00263
CP MH SS 1015		J	16.0	J	0.0119		0.0110				0.00830	U	0.0025	J	0.080		0.0253		0.01080	U	0.0160	U	0.000148	U	0.000298	J	0.00755
LM No. 2			12.0	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 26, 2020	0.00																										
002		J	9.6	J	0.0810	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.2	J	0.0283	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0242		0.01460	U	0.0160	U	0.000148	U	0.000298	J	0.00432
BF C MH SS 2816		J	14.0	J	0.0144	J	0.0019			U	0.00091	U	0.0025	U	0.058		0.0235		0.00958	U	0.0160	J	0.000157	U	0.000298	J	0.00478
CP MH SS 1015		J	14.0	J	0.0113	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0246		0.01150	U	0.0160	U	0.000148	U	0.000298	J	0.00600
LM No. 2			11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 27, 2020	0.00																										
002		U	9.3		0.1500	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.2	J	0.0298	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0280		0.00847	U	0.0160	U	0.000148	U	0.000298	J	0.00238
BF C MH SS 2816		J	14.0	J	0.0122	J	0.0016			U	0.00091	U	0.0025	U	0.058		0.0259		0.01470	U	0.0160	J	0.000165	U	0.000298	J	0.00372
CP MH SS 1015		J	14.0	J	0.0103	J	0.0021			U	0.00091	J	0.0037	U	0.058		0.0282		0.00644	U	0.0160	U	0.000148	U	0.000298	J	0.00243
LM No. 2			12.0		0.1500	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 28, 2020	0.00																										
002			11.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.2	J	0.0259	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0253		0.00984	U	0.0160	U	0.000148	U	0.000298	J	0.00238
BF C MH SS 2816		J	16.0	J	0.0126	J	0.0025			U	0.00091	U	0.0025	U	0.058		0.0248		0.00774	U	0.0160	U	0.000148	U	0.000298	J	0.00474
CP MH SS 1015		J	14.0	U	0.0098	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0262		0.00760	U	0.0160	U	0.000148	U	0.000298	J	0.00207
LM No. 2			15.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
August 29, 2020	0.02																										
002			14.0		0.1800	U	0.0040	U	0.00091			U	0.0060		0.140		0.0250	J	0.00140	J	0.0250	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0239		0.01260	U	0.0160	U	0.000148	U	0.000298	J	0.00117
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0262		0.00959	U	0.0160	J	0.000245	U	0.000298	J	0.00926
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0260		0.00861	U	0.0160	U	0.000148	U	0.000298	J	0.00117
LM No. 2			14.0	J	0.0890	U	0.0040	U	0.00091			U	0.0060		0.130		0.0280	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
August 30, 2020	0.00																										
002			15.0		0.1000	U	0.0040	U	0.00091			U	0.0060		0.140		0.0240	J	0.00130	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0269	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0254		0.00722	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252		0.01470	U	0.0160	J	0.000223	U	0.000298	J	0.00350
CP MH SS 1015		U	6.1	J	0.0119	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.00714	U	0.0160	U	0.000148	U	0.000298	J	0.00205
LM No. 2			13.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.140		0.0220	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
August 31, 2020	0.00																										
002			19.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0230	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0150	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288		0.01570	U	0.0160	J	0.000153	U	0.000298	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248		0.00882	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0270	J	0.00276	U	0.0160	U	0.000148	U	0.000298	U	0.00101
LM No. 2			16.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	U	0.00130	J	0.0310	U	0.003300	U	0.000053	U	0.00730
September 1, 2020	0.00																										
002			16.0	J	0.0960	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00150	J	0.0180	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.2	U	0.0098	U	0.0012			J	0.00120	U	0.0025	U	0.058		0.0229		0.00580	U	0.0160	U	0.000148	U	0.000298	J	0.00161
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0227		0.00783	U	0.0160	J	0.000222	U	0.000298	J	0.00255
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238	J	0.00375	U	0.0160	U	0.000148	U	0.000298	J	0.00184
LM No. 2		U	9.3		0.1500	U	0.0040	U	0.00091			J	0.0062		0.120		0.0260	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
September 2, 2020	0.48																										
002		U	9.3	J	0.0900	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0630	J	0.00240	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00237
BF C MH SS 2816		U	6.1	J	0.0200	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0235		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00327
CP MH SS 1015		U	6.1	J	0.0168	J	0.0017			J	0.00130	U	0.0025	U	0.058		0.0235		0.00553	U	0.0160	U	0.000148	U	0.000298	J	0.00176
LM No. 2		U	9.3	J	0.0800	U	0.0040	U	0.00091			J	0.0074		0.120		0.0450	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 3, 2020	0.00																										
002		U	9.3	J	0.0740		0.0094	U	0.00091	U	0.00091	J	0.0068		0.110		0.0300	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0021			U	0.00091	U	0.0025	U	0.058		0.0226		0.00559	U	0.0160	U	0.000148	U	0.000298	J	0.00130
BF C MH SS 2816		U	6.1	U	0.0098	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0241		0.00514	U	0.0160	U	0.000148	U	0.000298	J	0.00130
CP MH SS 1015		U	6.1	U	0.0098	J	0.0024			U	0.00091	U	0.0025	U	0.058		0.0225	J	0.00404	U	0.0160	U	0.000148	U	0.000298	J	0.00130
LM No. 2			11.0	J	0.0650	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 4, 2020	0.00																										
002		U	9.3	J	0.0610	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0245		0.00625	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250		0.00515	U	0.0160	J	0.000210	U	0.000298	J	0.00139
CP MH SS 1015		U	6.1	U	0.0098	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0266		0.00526	U	0.0160	J	0.000797	U	0.000298	U	0.00101
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
September 5, 2020	0.00																										
002			12.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.1		0.0354	U	0.0012			U	0.00091	J	0.0033	U	0.058		0.0282		0.00814	J	0.0172	J	0.000167	U	0.000298	J	0.00352
BF C MH SS 2816		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285		0.00883	U	0.0160	J	0.000196	U	0.000298	J	0.00157
CP MH SS 1015		U	6.1	U	0.0098	J	0.0022			U	0.00091	J	0.0030	U	0.058		0.0319		0.00524	U	0.0160	J	0.000192	U	0.000298	J	0.00192
LM No. 2		U	9.3		0.1600	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
September 6, 2020	0.08																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0230	J	0.00150	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0210	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0273		0.00549	U	0.0160	J	0.000173	U	0.000053	J	0.00181
BF C MH SS 2816		U	6.1	J	0.0154	U	0.0012			U	0.00091	U	0.0025	U	0.028		0.0258		0.00986	J	0.0233	J	0.000154	U	0.000053	J	0.00219
CP MH SS 1015		U	6.1	J	0.0240	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00339	U	0.0160	U	0.000148	U	0.000298	J	0.00140
LM No. 2		U	9.3		0.1400	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
September 7, 2020	0.18																										
002			11.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0220	J	0.00470	BU	0.0120	U	0.003300	U	0.000053	J	0.01900
BF D MH SS 2316		J	9.2	J	0.0120	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0261		0.01370	U	0.0160	J	0.001200	U	0.000298	J	0.00823
BF C MH SS 2816		U	6.1	J	0.0125	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0239		0.00870	U	0.0160	U	0.000148	U	0.000298	J	0.00146
CP MH SS 1015		U	6.1	J	0.0156	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0243		0.00809	J	0.0235	J	0.000168	U	0.000298	J	0.00313
LM No. 2			30.0	J	0.0970	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
September 8, 2020	0.73																										
002			20.0	J	0.0820	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0240	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0329	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0269		0.02120	U	0.0160	J	0.000191	U	0.000298	J	0.00259
BF C MH SS 2816		U	6.1	J	0.0151	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.00817	U	0.0160	J	0.000187	U	0.000298	J	0.00148
CP MH SS 1015		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.00704	J	0.0238	J	0.000220	U	0.000298	J	0.00458
LM No. 2			18.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
September 9, 2020	0.42																										
002			19.0		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0246	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0233		0.01030	U	0.0160	J	0.000206	U	0.000298	J	0.00144
BF C MH SS 2816		J	9.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0220		0.00910	U	0.0160	J	0.000335	U	0.000298	J	0.00125
CP MH SS 1015		U	6.1	J	0.0225	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0226		0.01560	U	0.0160	J	0.000223	U	0.000298	J	0.00148
LM No. 2			20.0	J	0.0620	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 10, 2020	0.01																										
002			22.0		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0350	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0176	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0245		0.00930	U	0.0160	J	0.000171	U	0.000298	J	0.00451
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0239		0.00809	J	0.0207	J	0.000235	U	0.000298	J	0.00359
CP MH SS 1015		J	7.1	U	0.0098	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0244		0.00787	J	0.0200	J	0.000257	U	0.000298	J	0.00509
LM No. 2			23.0	J	0.0580	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 11, 2020	0.02																										
002		U	9.3		0.1000	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00240	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242		0.01840	U	0.0160	J	0.000226	U	0.000298	J	0.00789
rerun				U	0.0098																						
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0250	U	0.058		0.0236		0.00946	U	0.0160	J	0.000304	U	0.000298	J	0.00769
rerun				U	0.0098																						
CP MH SS 1015		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0250	U	0.058		0.0243	J	0.00435	U	0.0160	J	0.000220	U	0.000298	J	0.00425
rerun				U	0.0098																						
LM No. 2		U	9.3	J	0.0730	U	0.0040	U	0.00091			J	0.0066		0.120		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 12, 2020	0.00																										
002		U	9.3	J	0.0930	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0260	J	0.00180	J	0.0160	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266		0.01310	U	0.0160	J	0.000178	U	0.000298	J	0.00320
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0267		0.01570	J	0.0170	J	0.000284	U	0.000298	J	0.00214
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0314		0.00967	U	0.0160	J	0.000211	U	0.000298	J	0.00242
LM No. 2			20.0	J	0.0810	U	0.0040	U	0.00091			BU	0.0060		0.100		0.0250	J	0.00160	J	0.0130	U	0.003300	U	0.000053	U	0.00730

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Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

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Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
September 13, 2020	0.26																										
002		U	9.3	J	0.0610	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0240	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0126	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250		0.01500	U	0.0160	J	0.000205	U	0.000298	J	0.00139
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0241		0.01180	U	0.0160	J	0.000275	U	0.000298	J	0.00184
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0264		0.00766	U	0.0160	J	0.000225	U	0.000298	J	0.00207
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			BU	0.0060		0.100		0.0240	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
September 14, 2020	0.00																										
002		U	9.3	J	0.0870	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0259	J	0.00498	U	0.0160	U	0.000148	U	0.000298	J	0.00484
BF C MH SS 2816		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0234		0.00638	U	0.0160	J	0.001980	U	0.000298	J	0.00607
CP MH SS 1015		J	9.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00358	U	0.0160	J	0.000551	U	0.000298	J	0.00873
LM No. 2		U	9.3	J	0.0580	U	0.0040	U	0.00091			U	0.0060		0.100		0.0240	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
September 15, 2020	0.00																										
002		U	9.3	J	0.0650	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0300	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0011			U	0.00091	U	0.0025	U	0.058		0.0249		0.00992	U	0.0160	U	0.000148	U	0.000298	J	0.00542
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0011			U	0.00091	U	0.0025	U	0.058		0.0274		0.00861	U	0.0160	U	0.000148	U	0.000298	J	0.00450
CP MH SS 1015		U	6.1	U	0.0098	U	0.0011			U	0.00091	U	0.0025	U	0.058		0.0271		0.01040	U	0.0160	J	0.000149	U	0.000298	J	0.00483
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.100		0.0270	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 16, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0680	J	0.00200	J	0.0150	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	U	0.0098	J	0.0012			U	0.00091	U	0.0025	U	0.058		0.0269		0.02620	U	0.0160	J	0.000762	U	0.000298	J	0.00965
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.01880	U	0.0160	J	0.000211	U	0.000298	J	0.00530
CP MH SS 1015		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250		0.00556	U	0.0160	U	0.000148	U	0.000298	J	0.00460
LM No. 2		U	9.3	J	0.0790	U	0.0040	U	0.00091			U	0.0060		0.100		0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 17, 2020	0.00																										
002			15.0		0.1400	U	0.0040	U	0.00091	U	0.00091	JB	0.0066		0.130		0.0290	J	0.00300	U	0.0120	U	0.003300	U	0.000053	J	0.00730
BF D MH SS 2316		J	9.2	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.01230	U	0.0160	J	0.000148	U	0.000298	J	0.00557
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242		0.01020	U	0.0160	U	0.000148	U	0.000298	J	0.00513
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0255		0.00975	U	0.0160	U	0.000148	U	0.000298	J	0.00506
LM No. 2		U	9.3	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 18, 2020	0.00																										
002		U	9.3		0.1300	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0192	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0278		0.01680	U	0.0160	J	0.000172	U	0.000298	J	0.00778
BF C MH SS 2816		J	11.0	J	0.0100	U	0.0012			U	0.00091	J	0.0032	U	0.058		0.0258		0.00919	U	0.0160	J	0.000178	U	0.000298	J	0.00767
CP MH SS 1015			50.0	U	0.0098	U	0.0012			U	0.00091	J	0.0047	U	0.058		0.0313		0.00654	U	0.0160	U	0.000148	U	0.000298	J	0.00636
LM No. 2		U	9.3		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0220	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 19, 2020	0.00																										
002		U	9.3	J	0.0680	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0240	J	0.00300	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316			31.0	J	0.0177	J	0.0015			J	0.00130	J	0.0030	U	0.058		0.0270		0.00971	U	0.0160	U	0.000148	U	0.000298	J	0.00887
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00091	J	0.0035	U	0.058		0.0267		0.01670	U	0.0160	J	0.000154	U	0.000298	J	0.00707
CP MH SS 1015		U	6.1	U	0.0098	J	0.0013			U	0.00091	J	0.0037	U	0.058		0.0286		0.01220	U	0.0160	J	0.000255	U	0.000298	J	0.00786
LM No. 2		U	9.3		0.1200		0.0060	U	0.00091			U	0.0060		0.130		0.0240	J	0.00220	U	0.0120	J	0.003900	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
September 20, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0230	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	J	0.0018			U	0.00091	J	0.0036	U	0.058		0.0276		0.01660	U	0.0160	J	0.000166	U	0.000298	J	0.00912
BF C MH SS 2816		U	6.1	J	0.0100	J	0.0016			U	0.00091	J	0.0044	U	0.058		0.0242		0.00886	U	0.0160	J	0.000157	U	0.000298	J	0.00749
CP MH SS 1015		U	6.1	U	0.0098	J	0.0014			U	0.00091	J	0.0032	U	0.058		0.0271		0.01170	U	0.0160	U	0.000148	U	0.000298		0.01130
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00300	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 21, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0240	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0378	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0278		0.01210	U	0.0160	J	0.000249	U	0.000298		0.01000
BF C MH SS 2816		U	6.1	J	0.0104	J	0.0015			U	0.00091	J	0.0026	U	0.058		0.0227		0.00990	U	0.0160	J	0.000179	U	0.000298	J	0.00702
CP MH SS 1015		U	6.1	J	0.0101	J	0.0014			U	0.00091	J	0.0030	U	0.058		0.0233		0.01200	U	0.0160	J	0.000169	U	0.000298	J	0.00563
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00130	J	0.0120	U	0.003300	U	0.000053	U	0.00730
September 22, 2020	0.00																										
002			10.0		0.1900	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0230	J	0.00180	U	0.0120	U	0.003300	U	0.000053	J	0.01000
BF D MH SS 2316		U	6.1	J	0.0118	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0258		0.00888	U	0.0160	U	0.000148	U	0.000298	J	0.00355
BF C MH SS 2816		U	6.1	J	0.0102	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0251		0.01230	U	0.0160	J	0.000214	U	0.000298	J	0.00358
CP MH SS 1015		U	6.1	U	0.0098	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0263		0.00537	U	0.0160	U	0.000148	U	0.000298	J	0.00211
LM No. 2		U	9.3	J	0.0810	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 23, 2020	0.00																										
002		U	9.3	JB	0.0540	J	0.0046	U	0.00091	U	0.00091	U	0.0060		0.130		0.0360	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257		0.00966	U	0.0160	U	0.000148	U	0.000298	J	0.00215
BF C MH SS 2816		U	6.1	J	0.0218	J	0.0015			U	0.00091	U	0.0025	U	0.058		0.0236		0.00836	U	0.0160	U	0.000148	U	0.000298	J	0.00192
CP MH SS 1015		J	7.1	J	0.0164	J	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248		0.00838	U	0.0160	J	0.000243	U	0.000298	J	0.00366
LM No. 2		U	9.3	JB	0.0560	U	0.0040	U	0.00091				0.0110		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 24, 2020	0.00																										
002		J	9.6	J	0.0810	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0250	J	0.00210	J	0.0230	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0479	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.01490	U	0.0160	U	0.000148	U	0.000298	J	0.00189
BF C MH SS 2816		J	7.1		0.0535	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.01140	U	0.0160	U	0.000148	U	0.000298	J	0.00195
CP MH SS 1015		J	7.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0281		0.01390	U	0.0160	J	0.000256	U	0.000298	J	0.00352
LM No. 2			12.0	J	0.0700	U	0.0040	U	0.00091			U	0.0060		0.130		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 25, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0244		0.00965	U	0.0160	U	0.000148	U	0.000298	J	0.00212
BF C MH SS 2816		U	6.1		0.0416	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242		0.01550	U	0.0160	J	0.000160	U	0.000298	J	0.00279
CP MH SS 1015		U	6.1		0.0581	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.02120	U	0.0160	J	0.000175	U	0.000298	J	0.00423
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 26, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.6	J	0.0239	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0262		0.00833	U	0.0470	U	0.000148	U	0.000298	J	0.00220
BF C MH SS 2816		J	12.0	J	0.0268	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0239		0.00766	U	0.0470	U	0.000148	U	0.000298	J	0.00176
CP MH SS 1015		J	12.0	J	0.0253	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288		0.00739	U	0.0470	U	0.000148	U	0.000298	J	0.00266
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
September 27, 2020	0.00																										
002		U	9.3	JB	0.0800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0250	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0191	U	0.0012			U	0.00091	J	0.0033	U	0.058		0.0232		0.00929	U	0.0470	U	0.000148	U	0.000298	J	0.00213
BF C MH SS 2816		J	7.6		0.0332	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0227		0.01750	U	0.0470	U	0.000148	U	0.000298	J	0.00234
CP MH SS 1015		J	7.6		0.0686	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0237		0.00652	U	0.0470	U	0.000148	U	0.000298	J	0.00144
LM No. 2		U	9.3	B	0.1100	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 28, 2020	0.20																										
002		U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0250		0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.6	J	0.0123	U	0.0012			J	0.00160	U	0.0025	U	0.058		0.0247	J	0.00275	U	0.0470	U	0.000220	U	0.000260	J	0.00294
BF C MH SS 2816		J	7.6	J	0.0141	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0245	J	0.00444	U	0.0470	U	0.000220	U	0.000260	J	0.00220
CP MH SS 1015		J	7.6	J	0.0212	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0269	J	0.00149	U	0.0470	U	0.000220	U	0.000260	J	0.00266
LM No. 2		U	9.3	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 29, 2020	0.27																										
002 (Microbac)		U	9.3	J	0.0840	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0290	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		U	6.1	U	0.0320	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0251	J	0.00057	J	0.0190	U	0.000220	U	0.000260	J	0.00103
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0262	J	0.00155	U	0.0470	U	0.000220	U	0.000260	U	0.00220
BF C MH SS 2816		J	14.0		0.0358	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0255	J	0.00240	U	0.0470	U	0.000220	U	0.000260	U	0.00220
CP MH SS 1015		J	12.0	J	0.0134	J	0.0042			J	0.00240	U	0.0025	U	0.058		0.0292	U	0.00099	U	0.0470	U	0.000220	U	0.000260	J	0.00445
LM No. 2		U	9.3		0.1200	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
September 30, 2020	0.00																										
002 (Microbac)		U	9.3	J	0.0680	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0340	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6	U	0.0320	J	0.0013	U	0.00091			U	0.0025	U	0.058		0.0255	U	0.00099	U	0.0470	U	0.000220	U	0.000260	U	0.00220
BF D MH SS 2316		J	7.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0259	J	0.00207	U	0.0470	U	0.000220	U	0.000260	J	0.00360
BF C MH SS 2816		J	12.0	J	0.0108	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0255	J	0.00319	J	0.0596	J	0.000338	U	0.000260	J	0.00446
CP MH SS 1015		J	12.0	J	0.0282	J	0.0018			U	0.00091	U	0.0025	U	0.058		0.0264	U	0.00099	U	0.0470	J	0.000562	U	0.000260	J	0.00276
LM No. 2		U	9.3	J	0.0640	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 1, 2020	0.00																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6	U	0.0320	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0278	J	0.00135	J	0.0497		0.000229	U	0.000260	U	0.00220
BF D MH SS 2316		J	12.0	J	0.0202	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0286	J	0.00241	U	0.0470	U	0.000220	U	0.000260	U	0.00220
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0281	U	0.00099		0.0810	U	0.000220	U	0.000260	J	0.00223
CP MH SS 1015		J	16.0	J	0.0144	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0289	J	0.00266	J	0.0551	U	0.000220	U	0.000260	U	0.00220
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0300	J	0.00170	U	0.0120	J	0.003400	U	0.000053	U	0.00730
October 2, 2020	0.64																										
002 (Microbac)		U	9.3	J	0.0720	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	9.6	J	0.0138	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0299	J	0.00109	J	0.0711	U	0.000220	U	0.000260	U	0.00022
BF D MH SS 2316		J	9.6		0.0432	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00198	J	0.0641	U	0.000220	U	0.000260	U	0.00220
BF C MH SS 2816		J	9.6		0.0607	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276	J	0.00290	U	0.0470	U	0.000220	U	0.000260	U	0.00220
CP MH SS 1015		J	12.0	J	0.0114	U	0.0012			J	0.00110	U	0.0025	U	0.058		0.0288	U	0.00099	J	0.0476	U	0.000220	U	0.000260	U	0.00220
LM No. 2		U	9.3	J	0.0870	U	0.0040	U	0.00091			U	0.0060		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
October 3, 2020	0.00																										
002 (Microbac)		U	9.3	J	0.2200	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0290	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	9.6	J	0.0192	U	0.0012	U	0.00091			U	0.0025		0.100		0.0342	U	0.00099		0.1090	U	0.000220	U	0.000260	U	0.00220
BF D MH SS 2316		J	9.6	J	0.0146	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0378	U	0.00099		0.1270	U	0.000220	U	0.000260	J	0.00439
BF C MH SS 2816		J	14.0	J	0.0270	U	0.0012			U	0.00091	U	0.0025		0.160		0.0311	U	0.00099		0.2590	J	0.000410	U	0.000260	J	0.00496
CP MH SS 1015		J	12.0	J	0.0133	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0369	U	0.00099		0.0829	U	0.000220	U	0.000260	J	0.00363
LM No. 2		U	9.3	M	0.1700	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 4, 2020	0.40																										
002 (Microbac)		U	9.3	J	0.1800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	9.6	J	0.0144	U	0.0012	U	0.00091			U	0.0025		0.100		0.0331	U	0.00099	J	0.0567	U	0.000220	U	0.000260	J	0.00690
BF D MH SS 2316		J	14.0	J	0.0192	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0291	U	0.00099	U	0.0470	U	0.000220	U	0.000260	J	0.00418
BF C MH SS 2816		J	16.0	J	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0278	U	0.00099		0.2080	J	0.000336	U	0.000260	J	0.00557
CP MH SS 1015		J	9.6	J	0.0114	U	0.0012			U	0.00091	U	0.0025		0.100		0.0289	U	0.00099	J	0.0517	U	0.000220	U	0.000260	J	0.00434
LM No. 2		U	9.3		0.1900	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 5, 2020	0.02																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00260	U	0.0120	U	0.003300	U	0.000053		0.02400
002 (ALS)		J	12.0	J	0.0240	U	0.0012	U	0.00091			J	0.0056		0.100		0.0326	U	0.00099		0.1510	J	0.000231	U	0.000260	U	0.00220
BF D MH SS 2316		J	9.6	J	0.0159	U	0.0012			J	0.00210	U	0.0025	U	0.058		0.0310	J	0.00111	U	0.0470	U	0.000220	U	0.000260	J	0.00249
BF C MH SS 2816		J	9.6	J	0.0103	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0318	J	0.00207		0.0873	U	0.000220	U	0.000260	J	0.00232
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0312	U	0.00099		0.1140	U	0.000220	U	0.000260	J	0.00480
LM No. 2		U	9.3	J	0.0660	U	0.0040	U	0.00091			U	0.0060		0.130		0.0300	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 6, 2020	0.00																										
002 (Microbac)		U	9.3		0.2300	U	0.0040	U	0.00091	U	0.00091	J	0.0070		0.130		0.0280	J	0.00300	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	14.0		0.1360	U	0.0012	U	0.00091			U	0.0025	U	0.058	J	0.0182		0.01060	J	0.0688	J	0.000361	U	0.000298		0.02110
BF D MH SS 2316		J	7.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250		0.01050	J	0.0232	J	0.000194	U	0.000298		0.02050
BF C MH SS 2816		J	7.6	J	0.0129	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0235		0.00937	U	0.0160	U	0.000148	U	0.000298	J	0.00157
CP MH SS 1015		J	9.6	J	0.0118	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0248		0.00815	U	0.0160	U	0.000148	U	0.000298	J	0.00225
LM No. 2		U	9.3	J	0.0820	U	0.0040	U	0.00091			U	0.0060		0.130		0.0270	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 7, 2020	0.00																										
002 (Microbac)		U	10.0	J	0.0860	U	0.0040	U	0.00091	U	0.00091	J	0.0069		0.130		0.0340	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	12.0		0.1020	U	0.0012	U	0.00091			U	0.0025	J	0.080		0.0204		0.00692	U	0.0800	J	0.000217	U	0.000298	J	0.00199
BF D MH SS 2316		J	9.6	J	0.0184	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0230		0.00575	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816		J	7.6		0.0344	U	0.0012			U	0.00091	U	0.0025	J	0.070	J	0.0191		0.00622	J	0.0200	U	0.000148	U	0.000298	U	0.00101
BF C MH SS 2816 (rerun)																	0.0229										
CP MH SS 1015		J	7.6	J	0.0171	J	0.0017			U	0.00091	U	0.0025		0.120	J	0.0198		0.00619	U	0.0160	U	0.000148	U	0.000298	U	0.00101
CP MH SS 1015 (rerun)																	0.0232										
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 8, 2020	0.00																										
002 (Microbac)		U	10.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0410	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00330
002 (ALS)		J	12.0	U	0.0098	U	0.0012	U	0.00091			U	0.0025	J	0.060		0.0243		0.00817	J	0.0190	U	0.000148	U	0.000298	J	0.00214
BF D MH SS 2316		J	7.6		0.0331	U	0.0012			J	0.00180	U	0.0025	J	0.070		0.0274		0.01250	U	0.0160	U	0.000148	U	0.000298	J	0.00164
BF C MH SS 2816		J	9.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0239		0.00899	U	0.0160	U	0.000148	U	0.000298	J	0.00158
CP MH SS 1015		J	9.6		0.0512	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0250		0.01450	U	0.0160	U	0.000148	U	0.000298	J	0.00133
LM No. 2		U	10.0	J	0.0790	U	0.0040	U	0.00091			BUM	0.0060		0.130		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00330

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
October 9, 2020	0.00																										
002 (Microbac)		U	9.3	J	0.0720	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0270	J	0.00130	BJ	0.0170	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	9.6		0.0636	U	0.0012	U	0.00091			U	0.0025		no sample		0.0233		0.00593	U	0.0160	U	0.000148	U	0.000298	J	0.00129
BF D MH SS 2316		J	7.6	J	0.0205	U	0.0012			J	0.00130	J	0.0025	J	0.080		0.0245		0.00738	U	0.0160	U	0.000148	U	0.000147	J	0.00200
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0235		0.00744	U	0.0160	U	0.000148	U	0.000147	J	0.00186
CP MH SS 1015		J	12.0	J	0.0169	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0239		0.00610	U	0.0160	U	0.000148	U	0.000147	J	0.00187
LM No. 2		U	9.3	BUM	0.0540	U	0.0040	U	0.00091			RUM	0.0060		0.120		0.0270	J	0.00170	BJ	0.0390	U	0.003300	U	0.000053	U	0.00730
October 10, 2020	0.00																										
002 (Microbac)		U	9.3		0.1300		0.0054	U	0.00091	U	0.00091	U	0.0060		0.120		0.0290	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 rerun 1 (Microbac)						U	0.0040																				
002 rerun 2 (Microbac)						U	0.0040																				
002 (ALS)		J	7.6	U	0.0098	U	0.0012	U	0.00091			U	0.0025	J	0.090		0.0229		0.01060	J	0.0315	J	0.000555	U	0.000298	J	0.00076
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0261		0.01560	J	0.0312	U	0.000148	U	0.000147	J	0.00280
BF C MH SS 2816		J	9.6	J	0.0196	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0234		0.01050	J	0.0206	U	0.000148	U	0.000147	J	0.00164
CP MH SS 1015		J	9.6		0.0814	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0240		0.00883	J	0.0179	U	0.000148	U	0.000147	J	0.00189
LM No. 2		U	9.3	J	0.0710	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 11, 2020	0.00																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0250	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	12.0	J	0.0121									J	0.070		0.0228		0.01010	J	0.0260	U	0.000148	U	0.000298	J	0.00181
BF D MH SS 2316		J	7.6	J	0.0258	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0232		0.00714	J	0.0640	U	0.000148	U	0.000147	J	0.00212
BF C MH SS 2816		J	12.0	J	0.0200	J	0.0016			U	0.00091	U	0.0025	J	0.070		0.0227		0.01060	J	0.0352	U	0.000148	U	0.000147	J	0.00242
CP MH SS 1015		J	9.6	J	0.0162	U	0.0012			U	0.00091	U	0.0025		0.100		0.0229		0.01200	J	0.0315	U	0.000148	U	0.000147	J	0.00250
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 12, 2020	0.00																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6	J	0.0184	U	0.0012					U	0.0025	U	0.058		0.0241		0.01090	U	0.0160	U	0.000148	U	0.000147	J	0.00209
BF D MH SS 2316		J	9.6	J	0.0168	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275		0.02260	U	0.0160	U	0.000148	U	0.000147	J	0.00370
BF C MH SS 2816		J	12.0	J	0.0213	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247		0.00943	U	0.0160	U	0.000148	U	0.000147	J	0.00202
CP MH SS 1015		J	14.0	J	0.0168	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268		0.01240	U	0.0160	U	0.000148	U	0.000147	J	0.00359
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 13, 2020	0.14																										
002 (Microbac)		U	9.3	J	0.0830	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	7.6	U	0.0098	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0244		0.00666	U	0.0160	U	0.000148	U	0.000147	J	0.00187
BF D MH SS 2316		J	9.6	J	0.0231	J	0.0014			U	0.00091	U	0.0025	U	0.058		0.0240		0.00958	U	0.0160	U	0.000148	U	0.000147	J	0.00215
BF C MH SS 2816		J	9.6	J	0.0164	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.00506	U	0.0160	U	0.000148	U	0.000147	J	0.00117
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0290		0.01160	U	0.0160	J	0.000163	U	0.000147	J	0.00240
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
October 14, 2020	0.00																										
002 (Microbac)		U	9.3	BJ	0.0580	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0340	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		U	6.1	U	0.0098	U	0.0012					U	0.0025	U	0.058		0.0242		0.00691	U	0.0160	U	0.000148	U	0.000298	U	0.00101
BF D MH SS 2316		U	6.1	J	0.0131	J	0.0027			U	0.00091	U	0.0025	U	0.058		0.0237		0.01430	U	0.0160	U	0.000148	U	0.000147	J	0.00278
BF C MH SS 2816		J	7.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0234	J	0.00376	U	0.0160	U	0.000148	U	0.000147	J	0.00117
CP MH SS 1015		J	12.0	J	0.0110	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0243	J	0.00160	U	0.0160	J	0.000172	U	0.000147	J	0.00466
LM No. 2		U	9.3	BU	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0380	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 15, 2020	0.04																										
002 (Microbac)		U	9.3	J	0.0760	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0290	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	9.6		0.0325	J	0.0013	J	0.00095			U	0.0025	U	0.058		0.0238		0.00665	U	0.0160	J	0.000262	U	0.000147	J	0.00193
BF D MH SS 2316		J	7.6		0.0366	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0236		0.01340	U	0.0160	U	0.000148	U	0.000147	J	0.00301
BF C MH SS 2816		J	9.6	J	0.0247	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0236		0.01230	U	0.0160	U	0.000148	U	0.000147	J	0.00107
CP MH SS 1015		J	12.0	J	0.0155	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0235		0.00636	J	0.0534	U	0.000148	U	0.000147	J	0.00305
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			BU	0.0060		0.130		0.0250	J	0.00130	J	0.0200	U	0.003300	U	0.000053	U	0.00730
October 16, 2020	0.00																										
002 (Microbac)		U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	BJ	0.0069		0.120		0.0280	J	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	12.0	J	0.0188	U	0.0012					U	0.0025	U	0.058		0.0264		0.01260	U	0.0160	U	0.000148	U	0.000298	J	0.00235
BF D MH SS 2316		J	7.6	J	0.0186	U	0.0012			J	0.00100	U	0.0025	U	0.058		0.0276		0.00679	J	0.0419	J	0.000155	U	0.000147	J	0.00328
BF C MH SS 2816		J	9.6	J	0.0299	U	0.0012			J	0.00099	U	0.0025	U	0.058		0.0278		0.00912	J	0.0188	U	0.000148	U	0.000147	J	0.00161
CP MH SS 1015		J	9.6	J	0.0152	J	0.0022			J	0.00170	U	0.0025	U	0.058		0.0268		0.00701	J	0.0325	J	0.000166	U	0.000147	J	0.00351
LM No. 2		U	9.3	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	J	0.00730
October 17, 2020	0.00																										
002 (Microbac)		U	9.3		0.1800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0250	J	0.00140	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	9.6	J	0.0222	U	0.0012					U	0.0025		0.100		0.0259		0.00786	J	0.0272	U	0.000148	U	0.000298	J	0.00128
BF D MH SS 2316		J	12.0	J	0.0104	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0250		0.00642	U	0.0160	U	0.000148	U	0.000147	J	0.00199
BF C MH SS 2816		J	12.0	J	0.0174	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.01730	U	0.0160	U	0.000148	U	0.000147	J	0.00183
CP MH SS 1015		J	14.0	J	0.0253	J	0.0038				0.00230	U	0.0025	U	0.058		0.0260		0.00605	U	0.0160	U	0.000148	U	0.000147	J	0.00163
LM No. 2		U	9.3		0.1500	U	0.0040	U	0.00091			J	0.0086		0.130		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
October 18, 2020	0.00																										
002 (Microbac)		U	9.3	J	0.0670	U	0.0040	U	0.00091	U	0.00091	J	0.0066		0.120		0.0250	J	0.00580	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	14.0		0.0678	U	0.0012					U	0.0025	J	0.090		0.0278		0.02130	U	0.0160	U	0.000148	U	0.000298	J	0.00312
BF D MH SS 2316		J	9.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268		0.01660	U	0.0160	U	0.000148	U	0.000147	J	0.00365
BF C MH SS 2816		J	9.6		0.0332	U	0.0012			U	0.00091	U	0.0025		0.140		0.0290		0.01020	U	0.0160	U	0.000148	U	0.000147	J	0.00195
CP MH SS 1015		J	9.6	J	0.0213	J	0.0014			U	0.00091	U	0.0025		0.100		0.0313		0.01680	U	0.0160	U	0.000148	U	0.000147	J	0.00914
LM No. 2		U	9.3	J	0.0780	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
October 19, 2020	0.30																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0370	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	9.6	J	0.0302	U	0.0012					U	0.0025	J	0.090		0.0254		0.01510	U	0.0160	U	0.000148	U	0.000298	J	0.01550
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0292		0.01940	U	0.0160	U	0.000148	U	0.000147	J	0.00325
BF C MH SS 2816		J	9.6		0.0449	U	0.0012			U	0.00091	J	0.0038	J	0.090		0.0268		0.01570	U	0.0160	U	0.000148	U	0.000147	J	0.00170
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0279		0.01850	U	0.0160	U	0.000148	U	0.000147	J	0.00213
LM No. 2		U	9.3	J	0.0880	U	0.0040	U	0.00091			U	0.0060		0.120		0.0470	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 20, 2020	0.04																										
002 (Microbac)		U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 unfiltered sample (M)								U	0.00091																		
002 (ALS)		J	7.6	J	0.0174	U	0.0012					U	0.0025	J	0.090		0.0240		0.01140	U	0.0160	U	0.000148	U	0.000298	J	0.00110
BF D MH SS 2316		J	14.0	J	0.0243	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0306		0.01520	U	0.0160	U	0.000148	U	0.000147	J	0.00183
BF C MH SS 2816		J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0275		0.01660	U	0.0160	U	0.000148	U	0.000147	J	0.00157
CP MH SS 1015		J	7.6	J	0.0137	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0330		0.01160	U	0.0160	U	0.000148	U	0.000147	J	0.00178
LM No. 2		U	9.3	J	0.0640	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0460	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 21, 2020	0.17																										
002 (Microbac)		U	9.3	J	0.0770	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	9.6	J	0.0200	U	0.0012					U	0.0025	J	0.060		0.0307		0.01380	U	0.0160	U	0.000148	U	0.000147	J	0.00141
BF D MH SS 2316		J	9.6	J	0.0301	J	0.0022			J	0.00120	U	0.0025	J	0.060		0.0291		0.02050	J	0.0194	J	0.000177	U	0.000147	J	0.00355
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			J	0.00200	U	0.0025	J	0.060		0.0263		0.01820	J	0.0185	J	0.000152	U	0.001470	J	0.00214
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0272		0.00886	J	0.0188	U	0.000148	U	0.000147	J	0.01880
LM No. 2		U	9.3		0.1300	U	0.0040	U	0.00091			BUM	0.0060		0.120		0.0370	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 22, 2020	0.62																										
002 (Microbac)		U	9.3		0.1200	U	0.0040	U	0.00091	J	0.00130	U	0.0060		0.120		0.0220	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	14.0	U	0.0098	U	0.0012					U	0.0025	J	0.060		0.0248		0.02310	U	0.0160	U	0.000148	U	0.000298	J	0.00254
BF D MH SS 2316		J	9.6		0.0334	U	0.0012			J	0.00150	U	0.0025	J	0.060		0.0268		0.02260	U	0.0160	U	0.000148	U	0.000147	J	0.00671
BF C MH SS 2816		J	9.6		0.0324	U	0.0012			J	0.00150	U	0.0025	J	0.060		0.0249		0.01060	U	0.0160	U	0.000148	U	0.000147	J	0.00309
CP MH SS 1015		J	12.0	J	0.0161	U	0.0012			J	0.00190	U	0.0025	J	0.060		0.0259		0.01630	U	0.0160	U	0.000148	U	0.000147	J	0.00484
LM No. 2		U	9.3	J	0.0650	U	0.0040	U	0.00091			BU	0.0060		0.120		0.0270	U	0.00130	U	0.1200	U	0.003300	U	0.000053	U	0.00730
October 23, 2020	0.00																										
002 (Microbac)		U	9.3	J	0.0960	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0210	J	0.00210	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	14.0	J	0.0142	U	0.0012					U	0.0025	J	0.060		0.0251		0.04310	U	0.0160	J	0.000233	U	0.000298	J	0.00295
BF D MH SS 2316		J	14.0	J	0.0178	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0255		0.03540	U	0.0160	J	0.000176	U	0.000147	J	0.00311
BF C MH SS 2816		J	12.0	J	0.0278	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0263		0.01820	U	0.0160	U	0.000148	U	0.000147	J	0.00225
CP MH SS 1015		J	14.0	J	0.0114	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0293		0.10000	U	0.0160	J	0.000332	U	0.000147	J	0.00591
LM No. 2		U	9.3	J	0.0790	U	0.0040	U	0.00091			BU	0.0060		0.120		0.0250	J	0.00190	BU	0.0120	U	0.003300	U	0.000053	J	0.00750
October 24, 2020	0.32																										
002 (Microbac)		U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6	J	0.0251	U	0.0012					U	0.0025	U	0.058		0.0238		0.02780	U	0.0160	J	0.000278	U	0.000298	J	0.00504
BF D MH SS 2316		J	14.0		0.0364	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0247		0.02730	U	0.0160	J	0.000213	U	0.000147	J	0.00533
BF C MH SS 2816		J	9.6		0.0510	U	0.0012			J	0.00110	U	0.0025	J	0.060		0.0237		0.06510	U	0.0160	J	0.000507	U	0.000147	J	0.00719
CP MH SS 1015		J	12.0	J	0.0240	U	0.0012			J	0.00130	U	0.0025	J	0.060		0.0246		0.01260	J	0.0213	J	0.000206	U	0.000147	J	0.00618
LM No. 2		U	9.3	J	0.0630	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
October 25, 2020	0.03																									
002 (Microbac)		U	9.3	J	0.0570	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130	0.0280	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	12.0	J	0.0127	U	0.0012					U	0.0025	U	0.058	0.0250		0.02890	J	0.0187	J	0.000214	U	0.000298	J	0.00448
BF D MH SS 2316		J	12.0	J	0.0228	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0247		0.02040	U	0.0160	J	0.000306	U	0.000147	J	0.00601
BF C MH SS 2816		J	12.0	J	0.0320	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0247		0.02160	J	0.0282	J	0.000446	U	0.000147	J	0.00619
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0248		0.02500	J	0.0231	J	0.000285	U	0.000147	J	0.00804
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130	0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 26, 2020	0.08																									
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130	0.0290	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	18.0	U	0.0098	U	0.0012					U	0.0025	U	0.058	0.0252		0.04170	J	0.0200	J	0.000316	U	0.000298	J	0.00442
BF D MH SS 2316		J	9.6		0.0378	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0262		0.01670	J	0.0301	J	0.000207	U	0.000147	J	0.00290
BF C MH SS 2816		J	9.6		0.0438	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0255		0.02560	J	0.0467	J	0.000208	U	0.000147	J	0.00497
CP MH SS 1015		J	18.0	J	0.0228	U	0.0012			U	0.00091	U	0.0025	J	0.080	0.0256		0.01660	U	0.0160	J	0.000544	U	0.000147	J	0.00643
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120	0.0280	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 27, 2020	0.12																									
002 (Microbac)		U	9.3		0.1400	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130	0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (Microbac rerun)						U	0.0040			U	0.00091														
002 (Microbac rerun)						U	0.0040																		
002 (ALS)		J	12.0	U	0.0098	J	0.0016					U	0.0025	U	0.058	0.0271		0.02170	J	0.0223	J	0.000242	U	0.000298	J	0.00317
BF D MH SS 2316		J	14.0		0.0392	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0263		0.01280	J	0.0257	J	0.000208	U	0.000147	J	0.00469
BF C MH SS 2816		J	9.6		0.0394	J	0.0017			U	0.00091	U	0.0025	U	0.058	0.0269		0.01630	J	0.0297	J	0.000218	U	0.000147	J	0.00308
CP MH SS 1015		J	16.0	U	0.0098		0.0053				0.00220	U	0.0025	U	0.058	0.0273		0.01250	U	0.0160	J	0.000285	U	0.000147	J	0.00376
CP MH SS 1015 (rerun)						JH	0.0014			H	0.00310														
LM No. 2		U	9.3		0.1500	U	0.0040	U	0.00091			U	0.0060		0.130	0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)						U	0.0040																		
LM No. 2 (rerun)						U	0.0040																		
October 28, 2020	0.10																									
002 (Microbac)		U	9.3	J	0.0640	J	0.0042	U	0.00091	U	0.00091	U	0.0060		0.130	0.0290	J	0.00170	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (Microbac rerun)						HU	0.0040			U	0.00091														
002 (Microbac rerun)						HU	0.0040																		
002 (ALS)		J	9.6	J	0.0106	J	0.0043					U	0.0025	U	0.058	0.0279		0.02390	J	0.0397	J	0.000309	U	0.000298		0.00359
BF D MH SS 2316		J	9.6		0.0503	J	0.0017			U	0.00091	U	0.0025	U	0.058	0.0295		0.02100	J	0.0173	J	0.000176	U	0.000147	J	0.00383
BF C MH SS 2816		J	12.0	J	0.0235	J	0.0015			U	0.00091	U	0.0025	U	0.058	0.0276		0.01050	J	0.0305	J	0.000156	U	0.000147	J	0.00216
CP MH SS 1015		J	14.0	J	0.0273		0.0140				0.00960	U	0.0025	U	0.058	0.0285		0.01070	J	0.0346	J	0.000213	U	0.000147	J	0.00343
CP MH SS 1015 (rerun)							0.0120			H	0.01100														
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.160	0.0310	J	0.00160	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)						HU	0.0040																		
LM No. 2 (rerun)						HU	0.0040																		
October 29, 2020	0.00																									
002 (Microbac)		U	9.3		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130	0.0310	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	16.0	J	0.0229	U	0.0012					U	0.0025	J	0.070	0.0292	J	0.00423	U	0.0160	J	0.000203	U	0.000298	J	0.00147
BF D MH SS 2316		J	12.0		0.0605	J	0.0014			U	0.00091	U	0.0025	J	0.070	0.0296		0.01070	U	0.0160	J	0.000707	U	0.000147	J	0.00590
BF C MH SS 2816		U	6.1	J	0.0246	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0279		0.01120	U	0.0160	J	0.000244	U	0.000147	J	0.00290
CP MH SS 1015		J	9.6		0.0463	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0287		0.00669	U	0.0160	J	0.000198	U	0.000147	J	0.00580
LM No. 2		J	9.8	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130	0.0290	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
October 30, 2020	0.03																										
002 (Microbac)		U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0340	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6		0.1440	U	0.0012					U	0.0025	J	0.060		0.0263		0.00834	J	0.0342	J	0.000312	U	0.000298	J	0.00727
BF D MH SS 2316		J	7.6	U	0.0098	J	0.0016			U	0.00091	U	0.0025	J	0.060		0.0273		0.00922	J	0.0175	J	0.000228	U	0.000147	J	0.00635
BF C MH SS 2816		J	7.6	J	0.0223	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0268		0.01170	J	0.0263	J	0.000320	U	0.000147	J	0.00371
CP MH SS 1015		J	12.0		0.0499	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0326		0.02070	U	0.0160	J	0.000482	U	0.000147		0.01010
LM No. 2		U	9.3		0.1400	U	0.0040	U	0.00091			U	0.0060		0.140		0.0350	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
October 31, 2020	0.00																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0280	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		U	6.1	J	0.0112	U	0.0012					U	0.0025	J	0.060		0.0244		0.00599	J	0.0342	J	0.000458	U	0.000298		0.01000
BF D MH SS 2316		U	6.1	J	0.0136	J	0.0031			U	0.00091	U	0.0025	J	0.070		0.0260	J	0.00454	U	0.0160	J	0.000294	U	0.000147	J	0.00836
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0247		0.00616	J	0.0268	J	0.000304	U	0.000147		0.01060
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0277		0.01320	J	0.0292	J	0.000443	U	0.000147		0.01274
LM No. 2		U	9.3		0.1400	U	0.0040	U	0.00091			U	0.0060		0.140		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 1, 2020	0.00																										
002 (Microbac)		U	9.3	J	0.0550	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		U	6.1	U	0.0098	U	0.0012					U	0.0025	J	0.060		0.0236		0.00676		0.1250	J	0.000455	U	0.000298		0.01190
BF D MH SS 2316		U	6.1		0.0681	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0237	J	0.00495	J	0.0360	J	0.000299	U	0.000147		0.01100
BF C MH SS 2816		J	12.0		0.0351	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0232		0.00894	J	0.0306	J	0.000413	U	0.000147		0.01420
CP MH SS 1015		J	9.6		0.0439	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0235		0.01120	J	0.0256	J	0.000245	U	0.000147		0.01400
LM No. 2		U	9.3		0.1300	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00170	MU	0.0120	U	0.003300	U	0.000053	U	0.00730
November 2, 2020	0.00																										
002 (Microbac)		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0280	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	12.0	U	0.0098	U	0.0012					U	0.0025	J	0.040		0.0237		0.02180	J	0.0399	J	0.000446	U	0.000298	J	0.00814
BF D MH SS 2316		J	7.6	U	0.0098	J	0.0024			U	0.00091	U	0.0025	J	0.060		0.0242		0.00618	J	0.0260	J	0.000239	U	0.000147	J	0.00891
BF C MH SS 2816		J	9.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0243		0.01450	U	0.0160	J	0.000399	U	0.000147		0.01040
CP MH SS 1015		J	9.6		0.1190	J	0.0016			U	0.00091	U	0.0025	J	0.060		0.0269		0.00533	J	0.0264	J	0.000250	U	0.000147	J	0.00898
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.140		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 3, 2020	0.00																										
002 (Microbac)		U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0300	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (Microbac rerun)						U	0.0040			U	0.00091															
002 (Microbac rerun)						U	0.0040																				
002 (ALS)		J	9.6	U	0.0098	U	0.0012					U	0.0025	U	0.058		0.0229		0.01500	J	0.0536	J	0.000254	U	0.000298	J	0.00226
BF D MH SS 2316		J	7.6		0.0337	U	0.0012				0.00400	U	0.0025	J	0.060		0.0238		0.01560	J	0.0163	J	0.000298	U	0.000147	J	0.00295
BF D MH SS 2316 (rerun)						UH	0.0012			J	0.00110																
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		J	9.6	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0239		0.00783	U	0.0160	J	0.000244	U	0.000147	J	0.00166
CP MH SS 1015			22.0	U	0.0098		0.0051				0.00620	U	0.0025	J	0.060		0.0241		0.01100	J	0.0392	J	0.000260	U	0.000147	J	0.00220
CP MH SS 1015 (rerun)						J	0.0046				0.00450																
LM No. 2		U	9.3	J	0.0750	U	0.0040	U	0.00091			MU	0.0025		0.130		0.0280	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)						U	0.0040																				
LM No. 2 (rerun)						U	0.0040																				

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																							
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 4, 2020	0.00																										
002		U	9.3	J	0.0860	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0360	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)						U	0.0040																				
002 (rerun)						U	0.0040																				
002 (ALS)		J	12.0	J	0.0202	U	0.0012					U	0.0025	U	0.058		0.0238		0.01310	J	0.0608	J	0.000262	U	0.000298	J	0.00280
BF D MH SS 2316		J	12.0	U	0.0098		0.0058			U	0.00091	U	0.0025	U	0.058		0.0266		0.01860	J	0.0363	J	0.000198	U	0.000147	J	0.00337
BF D MH SS 2316 (rerun)						U	0.0012																				
BF C MH SS 2816		J	12.0	J	0.0173	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0238		0.01130	J	0.0305	J	0.000178	U	0.000147	J	0.00176
CP MH SS 1015		J	12.0	U	0.0098	J	0.0026			U	0.00091	U	0.0025	J	0.060		0.0251				0.0105	J	0.000232	U	0.000147	J	0.00213
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			BMJ	0.0073		0.130		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)						U	0.0040																				
LM No. 2 (rerun)						U	0.0040																				
November 5, 2020	0.00																										
002		U	9.3		0.1300	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00180	U	0.0120	U	0.003300	BU	0.000053	U	0.00730
002 (ALS)		J	9.6	J	0.0314	J	0.0013					J	0.0044		0.100		0.0248		0.01180	U	0.0160	U	0.000148	U	0.000298	J	0.00171
002 (ALS rerun)						U	0.0012						0.0160														
BF D MH SS 2316		J	12.0	J	0.0117	J	0.0012			U	0.00091	J	0.0039	U	0.058		0.0303		0.01980	U	0.0160	J	0.000177	U	0.000147	J	0.00331
BF C MH SS 2816		J	12.0		0.0419	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0263		0.01680	J	0.0165	J	0.000727	U	0.000147	J	0.00418
CP MH SS 1015		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0271		0.00701	J	0.0357	U	0.000148	U	0.000147	J	0.00135
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	BU	0.000053	U	0.00730
November 6, 2020	0.00																										
002		U	9.3	B	0.1700	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00170	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		U	6.1	J	0.0271	J	0.0019					U	0.0025	U	0.100		0.0270		0.01570	J	0.0161	U	0.000148	U	0.000298	J	0.00272
002 (ALS rerun)						U	0.0012																				
BF D MH SS 2316		J	7.6	J	0.0228	J	0.0020			U	0.00091		0.0065	U	0.058		0.0285		0.01610	J	0.0245	J	0.000159	U	0.000147	J	0.00320
BF C MH SS 2816		J	7.6	J	0.0121	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0275		0.01380	J	0.0213	J	0.000164	U	0.000147	J	0.00237
CP MH SS 1015		J	7.6	J	0.0215	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0301		0.01480	U	0.0160	J	0.000193	U	0.000147	J	0.00251
LM No. 2		U	9.3	B	0.1600	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00150	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
November 7, 2020	0.00																										
002		U	9.3	J	0.0990	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6	J	0.0290	U	0.0012					U	0.0025		0.100		0.0256		0.01330	J	0.0604	J	0.000220	U	0.000298	J	0.00243
BF D MH SS 2316		J	12.0	J	0.0191	J	0.0022			U	0.00091	U	0.0025	U	0.058		0.0262		0.00629	J	0.0300	U	0.000148	U	0.000147	J	0.00190
BF C MH SS 2816		J	12.0	J	0.0252	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257		0.01050	J	0.0482	U	0.000148	U	0.000147	J	0.00149
CP MH SS 1015		J	9.6	J	0.0241	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0269		0.01020	J	0.0467	U	0.000148	U	0.000147	J	0.00167
LM No. 2			19.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 8, 2020	0.00																										
002			13.0	J	0.0980	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6		0.0374	U	0.0012					U	0.0025		0.100		0.0248		0.00718	J	0.0189	U	0.000148	U	0.000298	J	0.00141
BF D MH SS 2316		J	9.6		0.0519	J	0.0014			U	0.00091		0.0064		0.100		0.0251		0.01300	J	0.0233	U	0.000148	U	0.000147	J	0.00196
BF C MH SS 2816		J	7.6		0.0326	U	0.0012			U	0.00091	U	0.0025		0.100		0.0253		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00304
CP MH SS 1015		J	12.0	J	0.0195	U	0.0012			U	0.00091	J	0.0029		0.130		0.0249		0.01090	U	0.0160	U	0.000148	U	0.000147	J	0.00193
LM No. 2			15.0	J	0.0560	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Amendola Engineering, Inc.

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Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 9, 2020	0.00																										
002			12.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0270	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (ALS)		J	7.6		0.0442	J	0.0016					U	0.0025	J	0.090		0.0246		0.01300	U	0.0160	U	0.000148	U	0.000298	J	0.00191
002 (ALS rerun)						U	0.0012																				
BF D MH SS 2316		J	7.6	J	0.0164	J	0.0012			U	0.00091	U	0.0025		0.100		0.0267		0.02660	J	0.0177	U	0.000148	U	0.000147	J	0.00254
BF C MH SS 2816		J	7.6	J	0.0296	J	0.0031			U	0.00091	U	0.0025		0.120		0.0244		0.01620	J	0.0181	U	0.000148	U	0.000147	J	0.00199
CP MH SS 1015		J	12.0	J	0.0254	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0250		0.00566	J	0.0210	U	0.000148	U	0.000147	J	0.00197
LM No. 2			12.0	J	0.0860	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 10, 2020	0.00																										
002			14.0		0.1700	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0330	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0299	J	0.0018			U	0.00091	U	0.0025	J	0.060		0.0241		0.01550	U	0.0160	U	0.000148	U	0.000147	J	0.00229
BF C MH SS 2816		J	7.6	J	0.0288	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0239		0.01450	J	0.0231	U	0.000148	U	0.000147	J	0.00190
CP MH SS 1015		J	18.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0241		0.01900	U	0.0160	U	0.000148	U	0.000147	J	0.00169
LM No. 2		MU	9.3	J	0.0860	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 11, 2020	0.33																										
002			13.0		0.1800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300	J	0.00170	U	0.0120	J	0.004000	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.6		0.0323	U	0.0012			U	0.00091	U	0.0025		0.058		0.0317		0.00795	U	0.0160	U	0.000148	U	0.000147	J	0.00168
BF C MH SS 2816		J	12.0	J	0.0180	U	0.0012			U	0.00091	U	0.0025		0.058		0.0247		0.02180	U	0.0160	J	0.000242	U	0.000147	J	0.00664
CP MH SS 1015		J	16.0	J	0.0157	U	0.0012			J	0.00094	U	0.0025	U	0.058		0.0286		0.00858	U	0.0160	U	0.000148	U	0.000147	J	0.00271
LM No. 2			13.0		0.1800	M	0.0320	U	0.00091			U	0.0060		0.120		0.0300	J	0.00230	U	0.0120	U	0.003300	U	0.000053	J	0.00930
LM No. 2 (rerun)						U	0.0040																				
LM No. 2 (rerun)						U	0.0040																				
November 12, 2020	0.00																										
002			34.0		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0290	J	0.00170		0.0640	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0246	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0276		0.01090	U	0.0160	U	0.000148	U	0.000147	J	0.00172
BF C MH SS 2816		J	9.6	J	0.0309	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0253		0.01420	U	0.0160	U	0.000148	U	0.000147	J	0.00184
CP MH SS 1015		J	9.6	J	0.0287	J	0.0024			U	0.00091	U	0.0025	U	0.058		0.0258		0.01420	J	0.0217	U	0.000148	U	0.000147	J	0.00152
LM No. 2			15.0		0.1000	U	0.0040	U	0.00091			U	0.0060		0.130		0.0310	J	0.00130		0.3300	U	0.003300	U	0.000053	U	0.00730
November 13, 2020	0.05																										
002			10.0		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.6	J	0.0106	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0274		0.01410	U	0.0160	U	0.000148	U	0.000147	J	0.00352
BF C MH SS 2816		J	9.6	J	0.0236	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0278		0.00921	U	0.0160	U	0.000148	U	0.000147	J	0.00289
CP MH SS 1015		J	9.6	J	0.0182	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0299		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00876
LM No. 2			13.0	J	0.0590	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 14, 2020	0.00																										
002		J	9.8	BU	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0221	J	0.0017			J	0.00120	U	0.0025	U	0.058		0.0285		0.01450	J	0.0226	U	0.000148	U	0.000147	J	0.00184
BF C MH SS 2816		J	12.0	J	0.0100	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0283		0.01300	J	0.0220	U	0.000148	U	0.000147	J	0.00206
CP MH SS 1015		J	14.0	J	0.0133	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0318		0.01600	J	0.0187	U	0.000148	U	0.000147	J	0.00208
LM No. 2		U	9.3	B	0.1000	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	J	0.000110	U	0.00730
LM No. 2 (rerun)																								U	0.000053		
LM No. 2 (rerun)																								U	0.000053		

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 15, 2020	0.31																										
002		U	9.3		0.1400	U	0.0040	U	0.00091	J	0.00097	U	0.0060		0.120	0.0260		J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										U	0.00091																
BF D MH SS 2316		J	7.6	J	0.0115	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0271			0.01110	U	0.0160	U	0.000148	U	0.000147	J	0.00116
BF C MH SS 2816		J	9.6	J	0.0202	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0252			0.01200	U	0.0160	U	0.000148	U	0.000147	J	0.00231
CP MH SS 1015		J	9.6	J	0.0147	J	0.0042			J	0.00170	U	0.0025	U	0.058	0.0265			0.00897	U	0.0160	U	0.000148	U	0.000147	J	0.00119
LM No. 2		U	9.3	BU	0.0540	J	0.0048	U	0.00091			U	0.0060		0.120	0.0230		U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)							0.0066																				
LM No. 2 (rerun)						HU	0.0040																				
November 16, 2020	0.03																										
002			11.0	J	0.0770	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120	0.0230		J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.6		0.0328	U	0.0012	U	0.00091	U	0.00091	U	0.0060	U	0.058	0.0254			0.01020	J	0.0264	J	0.000190	U	0.000147	J	0.00227
BF C MH SS 2816		J	14.0	J	0.0287	U	0.0012			J	0.00094	U	0.0025	U	0.058	0.0279			0.01430	J	0.0194	J	0.000210		0.000147	J	0.00176
CP MH SS 1015		J	12.0		0.0335	U	0.0012			J	0.00094	U	0.0025	U	0.058	0.0312			0.00638	U	0.0160	J	0.000157	U	0.000147	J	0.00142
LM No. 2			13.0	J	0.0750	J	0.0044	J	0.00097			U	0.0060		0.120	0.0240		U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)							0.0051	HU	0.00091																		
LM No. 2 (rerun)						HU	0.0040																				
LM No. 2 (rerun)						HU	0.0040																				
November 17, 2020	0.00																										
002		U	9.3		0.1500	U	0.0040	U	0.00091	J	0.00093	U	0.0060		0.120	0.0310		J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										HU	0.00091																
BF D MH SS 2316		U	6.1	J	0.0164	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0268			0.01070	U	0.0160	U	0.000148	U	0.000147	J	0.00155
BF C MH SS 2816		J	12.0		0.0452	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0253			0.01750	J	0.0173	J	0.000162	U	0.000147	J	0.00324
CP MH SS 1015		J	14.0		0.0338	U	0.0012			J	0.00120	U	0.0025	J	0.070	0.0263			0.03440	U	0.0160	J	0.000176	U	0.000147	J	0.00800
LM No. 2			15.0	J	0.0790	U	0.0040		0.00580			BU	0.0060		0.120	0.0270		J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00091																		
LM No. 2 (rerun)								HU	0.00091																		
November 18, 2020	0.00																										
002			11.0	J	0.0670	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120	0.0300		J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0202	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0261			0.02080	U	0.0160	J	0.000187	U	0.000147	J	0.00275
BF C MH SS 2816		J	12.0		0.0528	U	0.0012			U	0.00091	U	0.0025	U	0.058	0.0286			0.00845	J	0.0253	J	0.000176	U	0.000147	J	0.00156
CP MH SS 1015		J	14.0	J	0.0230	U	0.0012			J	0.00140	U	0.0025	U	0.058	0.0305			0.01710	U	0.0160	J	0.000283	U	0.000147	J	0.00292
LM No. 2		J	9.4		0.1000	U	0.0040	U	0.00091			U	0.0060		0.130	0.0320		J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 19, 2020	0.00																										
002		U	9.3	J	0.0880	J	0.0041	U	0.00091	U	0.00091	U	0.0060		0.140	0.0330		J	0.00180	J	0.0170	U	0.003300	U	0.000053	U	0.00730
002 (rerun)						U	0.0040																				
BF D MH SS 2316		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0271			0.00982	U	0.0160	J	0.000195	U	0.000147	J	0.00442
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0260			0.01330	J	0.0164	U	0.000148	U	0.000147	J	0.00140
CP MH SS 1015		J	14.0	J	0.0151	U	0.0012			U	0.00091	U	0.0025	J	0.060	0.0268			0.00689	U	0.0160	U	0.000148	U	0.000147	J	0.00172
LM No. 2			11.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.140	0.0340		U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
November 20, 2020	0.00																										
002			12.0	J	0.0710	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0300	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)						U	0.0040																				
BF D MH SS 2316		J	9.6	J	0.0243	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0265	J	0.00285	J	0.0181	U	0.000148	U	0.000147	J	0.00187
BF C MH SS 2816		J	9.6	J	0.0254	U	0.0012			J	0.00150	U	0.0025	U	0.058		0.0253	J	0.00372	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	18.0	J	0.0177	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00163	U	0.0160	U	0.000148	U	0.000147	J	0.00167
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0340	J	0.00160	J	0.0150	U	0.003300	U	0.000053	U	0.00730
November 21, 2020	0.00																										
002			10.0	B	0.1200	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300		0.00280	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.6	J	0.0239	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0263	J	0.00250	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	9.6	J	0.0273	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0285		0.01690	U	0.0160	U	0.000148	U	0.000147	J	0.00230
CP MH SS 1015		J	16.0		0.0341	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0299		0.01450	U	0.0160	U	0.000148	U	0.000147	J	0.00108
LM No. 2			14.0	BU	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00330
November 22, 2020	0.10																										
002		J	9.4	B	0.4400	U	0.0040		0.00230	U	0.00091	U	0.0060		0.120		0.0260	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)								HU	0.00091																		
BF D MH SS 2316		J	9.6	J	0.0260	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0260		0.01890	U	0.0160	U	0.000148	U	0.000147	J	0.00273
BF C MH SS 2816		J	9.6		0.0337	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0254		0.01570	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	12.0	J	0.0168	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0263		0.02390	J	0.0177	J	0.000152	U	0.000147	J	0.00275
LM No. 2		U	9.3	B	0.1000	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 23, 2020	0.08																										
002		J	9.4	BJ	0.0810	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0270	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.6		0.0519	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0250		0.01440	U	0.0160	U	0.000148	U	0.000147	J	0.00127
BF C MH SS 2816		J	18.0	J	0.0287	J	0.0015			U	0.00091	U	0.0025	J	0.070		0.0250		0.00618		0.1550	J	0.000642	U	0.000147	J	0.00274
CP MH SS 1015		J	16.0	J	0.0243		0.0069				0.00800	U	0.0025	J	0.070		0.0256		0.01020	U	0.0160	J	0.000185	U	0.000147	J	0.00195
CP MH SS 1015 (rerun)						H	0.0074				0.00700																
LM No. 2		U	9.3	BMU	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260		0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 24, 2020	0.15																										
002			12.0	J	0.0930	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0250	J	0.00240	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	U	0.0098	J	0.0014			U	0.00091	U	0.0025	J	0.080		0.0291		0.02080	U	0.0160	J	0.000930	U	0.000147	J	0.00961
BF C MH SS 2816		J	7.6	J	0.0300	J	0.0024			U	0.00091	U	0.0025	J	0.070		0.0266		0.02280	J	0.0160	J	0.000178	U	0.000178	J	0.00708
CP MH SS 1015		J	14.0	J	0.0262	J	0.0014			U	0.00091	U	0.0025	J	0.070		0.0277		0.01550	U	0.0160	U	0.000148	U	0.000147		0.01380
LM No. 2			12.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 25, 2020	0.22																										
002		U	9.3	J	0.0620	U	0.0040	U	0.00091		0.00470	U	0.0060		0.120		0.0260	J	0.00320	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										J	0.00180																
BF D MH SS 2316		J	9.6	J	0.0145	J	0.0030			U	0.00091	U	0.0025	J	0.070		0.0288		0.01920	U	0.0160	U	0.000148	U	0.000147	J	0.00438
BF C MH SS 2816		J	9.6	J	0.0284	J	0.0017			U	0.00091	U	0.0025	J	0.070		0.0252		0.01900	J	0.0223	U	0.000148	U	0.000147	J	0.00425
CP MH SS 1015		J	12.0	U	0.0098	J	0.0020			U	0.00091	U	0.0025	J	0.070		0.0264		0.01720	U	0.0160	U	0.000148	U	0.000147	J	0.00503
LM No. 2		U	9.3		0.1200	U	0.0040	U	0.00091			U	0.0060		0.110		0.0270	J	0.00280	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
November 26, 2020	0.23																										
002			13.0		0.1400	U	0.0040	U	0.00091	J	0.00100	U	0.0060		0.120		0.0230	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										U	0.00091																
BF D MH SS 2316		J	7.6	U	0.0098	J	0.0039			U	0.00091	U	0.0025	J	0.070		0.0238		0.01280	U	0.0160	U	0.000148	U	0.000147	J	0.00112
BF C MH SS 2816		J	7.6	J	0.0197	J	0.0019			U	0.00091	U	0.0025	J	0.070		0.0237		0.01200	U	0.0160	J	0.000166	U	0.000147	J	0.00129
CP MH SS 1015		J	9.6	U	0.0098		0.0088				0.00440	U	0.0025	J	0.070		0.0251		0.02320	U	0.0160	J	0.000203	U	0.000147	J	0.00261
CP MH SS 1015 (rerun)							0.0110				0.00760																
LM No. 2			11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00220	U	0.0120		0.003300	U	0.000053	U	0.00730
November 27, 2020	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	J	0.0097		0.120		0.0240	J	0.00150	J	0.0310	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.6	J	0.0232	J	0.0016			U	0.00091	U	0.0025	J	0.080		0.0291		0.00887	J	0.0192	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0265		0.01290	U	0.0160	U	0.000148	U	0.000147	J	0.00202
CP MH SS 1015		J	7.6		0.0342		0.0066				0.00680	U	0.0025	J	0.080		0.0266		0.01150	J	0.0177	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015 (rerun)							0.0083				0.00780																
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0230	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 28, 2020	0.00																										
002		U	9.3	J	0.0570	U	0.0040	J	0.00130	J	0.00097	U	0.0060		0.120		0.0300	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0260	U	0.0012				0.00540	U	0.0025	J	0.080		0.0304		0.00844	U	0.0160	U	0.000148	U	0.000147	J	0.00149
BF D MH SS 2316 (rerun)											0.00630																
BF C MH SS 2816		U	6.1	J	0.0287	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0278		0.00859	U	0.0160	U	0.000148	U	0.000053	U	0.00101
CP MH SS 1015		U	6.1	J	0.0187	J	0.0045			U	0.00091	U	0.0025	J	0.070		0.0318		0.00582	U	0.0120	U	0.003300	U	0.000053	U	0.00101
LM No. 2		U	9.3	J	0.0780	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 29, 2020	0.00																										
002		J	9.8	J	0.0660	U	0.0040	U	0.00091	J	0.00098	U	0.0060		0.120		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										U	0.00091																
BF D MH SS 2316		U	6.1	J	0.0115	U	0.0012			J	0.00170	U	0.0025	J	0.070		0.0259		0.01040	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	J	0.0208	U	0.0012			J	0.00140	U	0.0025	J	0.070		0.0246		0.00765	U	0.0160	U	0.000148	U	0.000147	J	0.00132
CP MH SS 1015		J	7.6	J	0.0218	U	0.0012			J	0.00130	U	0.0025	J	0.070		0.0253		0.01010	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2			13.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
November 30, 2020	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	J	0.00200	U	0.0060		0.120		0.0290	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										U	0.00091																
BF D MH SS 2316		J	9.6	U	0.0098	U	0.0012			J	0.00170	U	0.0025	J	0.070		0.0243		0.00994	U	0.0160	U	0.000148	U	0.000147	J	0.00189
BF C MH SS 2816		J	9.6	J	0.0157	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0247		0.00990	U	0.0160	U	0.000148	U	0.000147	J	0.00219
CP MH SS 1015		J	12.0	J	0.0109	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0240		0.00680	U	0.0160	U	0.000148	U	0.000147	J	0.00530
LM No. 2		U	9.3	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
December 1, 2020	0.03																										
002		U	9.3		0.1100	U	0.0040	J	0.00120	J	0.00120	U	0.0060		0.120		0.0340	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)									0.00230	J	0.00093																
BF D MH SS 2316		J	9.6	J	0.0193	U	0.0012				0.00380	U	0.0025	J	0.060		0.0294		0.00706		0.1330	J	0.000251	U	0.000147	J	0.00182
BF D MH SS 2316 (rerun)										J	0.00170																
BF C MH SS 2816		J	12.0		0.0342	U	0.0012				0.00690	U	0.0025	J	0.060		0.0266		0.01890		0.2400	J	0.000526	U	0.000147		0.01360
BF C MH SS 2816 (rerun)										J	0.00130																
CP MH SS 1015		U	6.1	J	0.0230	U	0.0012				0.00380	U	0.0025	J	0.060		0.0263		0.00558	J	0.0533	J	0.000239	U	0.000147	J	0.00126
CP MH SS 1015 (rerun)										J	0.00200																
LM No. 2		U	9.3	J	0.0930	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0300	J	0.00140	J	0.0150	U	0.003300	U	0.000053	U	0.00730
December 2, 2020	0.00																										
002		U	9.3	J	0.0760	U	0.0040	J	0.00097	U	0.00091	U	0.0060		0.130		0.0320	J	0.00250	J	0.0310	U	0.003300	U	0.000053	U	0.00730
002 (rerun)								UH	0.00091																		
BF D MH SS 2316		J	11.0		0.0377	U	0.0012				0.00560	U	0.0025	J	0.060		0.0276		0.01710		0.3150	J	0.000737	U	0.000147		0.01250
BF D MH SS 2316 (rerun)										J	0.00170																
BF C MH SS 2816		J	11.0		0.0362	U	0.0012			J	0.00190	U	0.0025	J	0.060		0.0292		0.00701		0.3450	J	0.000660	U	0.000147	J	0.00446
CP MH SS 1015		J	11.0	J	0.0233	J	0.0013				0.00460	U	0.0025		0.058		0.0315		0.01440		0.2060	J	0.000440	U	0.000147		0.01080
CP MH SS 1015 (rerun)											0.00450																
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0330	J	0.00210	J	0.0140	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								UH	0.00091																		
December 3, 2020	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00091	J	0.00100	U	0.0060		0.120		0.0300	J	0.00190	J	0.0210	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										UH	0.00091																
BF D MH SS 2316		J	11.0	J	0.0183	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0291		0.01170		0.1220	J	0.000478	U	0.000147	J	0.00342
BF C MH SS 2816		J	13.0	J	0.0260	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0282		0.00862		0.2830	J	0.000412	U	0.000147	J	0.00245
BF C MH SS 2816 (rerun)										U	0.00091																
CP MH SS 1015		J	13.0	J	0.0264		0.0210				0.01400	U	0.0025	J	0.060		0.0326		0.00722		0.5330	J	0.000839	U	0.000147	J	0.00400
CP MH SS 1015 (rerun)							0.0110				0.01200																
LM No. 2		U	9.3	J	0.0930	MU	0.0040	U	0.00091			U	0.0060		0.120		0.0350	J	0.00160	J	0.0480	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								UH	0.00091																		
December 4, 2020	0.00																										
002			25.0	J	0.0730	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0280	J	0.00210	J	0.0150	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0349	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0258		0.01540		0.1760	J	0.000335	U	0.000335	J	0.00358
BF C MH SS 2816		J	8.7	J	0.0286	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0250		0.01070	J	0.0297	J	0.000324	U	0.000147	J	0.00220
CP MH SS 1015		J	8.7	J	0.0245		0.0250				0.02700	U	0.0025	J	0.060		0.0269		0.00785		0.3310	J	0.000535		0.000147	J	0.00341
CP MH SS 1015							0.0200				0.02300																
LM No. 2			14.0	U	0.0540	U	0.0040	J	0.00093			U	0.0060		0.120		0.0330	J	0.00160	J	0.0150	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00091																		
December 5, 2020	0.00																										
002			17.0		0.1000	U	0.0040	U	0.00091	U	0.00091	J	0.0080		0.110		0.0270	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	U	0.0098	U	0.0012			J	0.00170	U	0.0025	J	0.070		0.0284		0.00899	J	0.0192	J	0.000290	U	0.000147	J	0.00263
BF C MH SS 2816		U	6.1	J	0.0319	U	0.0012			J	0.00140	U	0.0025	J	0.070		0.0278		0.01140	J	0.0339	J	0.000333	U	0.000147	J	0.00205
CP MH SS 1015		J	13.0	J	0.0157	U	0.0012			J	0.00170	U	0.0025	J	0.080		0.0309	J	0.00492		0.2210	J	0.000561	U	0.000147	J	0.00365
LM No. 2			12.0	U	0.0540	MU	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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December 6, 2020	0.02																										
002			11.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300	J	0.00190	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0327	U	0.0012			J	0.00200	U	0.0025	J	0.080		0.0266		0.01080	J	0.0263		0.000350	U	0.000053	J	0.00296
BF C MH SS 2816		J	8.7	J	0.0202	U	0.0012			J	0.00150	U	0.0025	J	0.080		0.0258		0.01030		0.1330	J	0.000361	U	0.000147	J	0.00248
CP MH SS 1015		J	17.0	J	0.0148	U	0.0012			J	0.00120	U	0.0025	J	0.080		0.0273		0.01080		0.1050	J	0.000263	U	0.000147	J	0.00227
LM No. 2			11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0320	J	0.00170	J	0.0220	U	0.003300	U	0.000053	U	0.00730
December 7, 2020	0.00																										
002			16.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	MU	0.0060		0.120		0.0260	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0		0.0435	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0255		0.01710		0.2290	J	0.000448	U	0.000147	J	0.00323
BF C MH SS 2816		J	13.0		0.0434	U	0.0012			J	0.00110	U	0.0025	J	0.080		0.0255		0.01640	J	0.0235	J	0.000305	U	0.000147	J	0.00264
CP MH SS 1015		J	8.7	J	0.0289	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0260		0.00771		0.1510	J	0.000274	U	0.000147	J	0.00226
LM No. 2			19.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0260	J	0.00140	J	0.0130	U	0.003300	U	0.000053	U	0.00730
December 8, 2020	0.00																										
002			16.0	BJ	0.0790	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0360	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0200	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0263		0.00525		0.1170	J	0.000347	U	0.000147	J	0.00183
BF C MH SS 2816		J	11.0	J	0.0268	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0287		0.00585	J	0.0592	J	0.000243	U	0.000147	J	0.00103
CP MH SS 1015		J	8.7	J	0.0269	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0312		0.00516		0.1060	J	0.000262	U	0.000147	J	0.00156
LM No. 2			15.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.110		0.0250	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
December 9, 2020	0.00																										
002			10.0	BJ	0.0820	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0310	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	17.0		0.0351	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0297		0.01350	J	0.0317	J	0.001010		0.000147	J	0.00514
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		J	8.7	J	0.0250	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0290		0.03050		0.1880	J	0.000309		0.000147	J	0.00233
CP MH SS 1015		J	11.0		0.0364		0.0140				0.01600	U	0.0025	J	0.070		0.0315		0.01030		0.2550	J	0.003530		0.000147	J	0.00233
CP MH SS 1015 (rerun)							0.0150				0.01500																
LM No. 2			12.0	B	0.1200	U	0.0040	U	0.00091			U	0.0060		0.120		0.0330	U	0.00130	J	0.0210	U	0.003300	U	0.000053	U	0.00730
December 10, 2020	0.00																										
002			12.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0290	J	0.00180	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0		0.0320	J	0.0035			U	0.00091	U	0.0025	J	0.070		0.0269		0.01610		0.1490	J	0.000256	U	0.000147	J	0.00355
BF C MH SS 2816		J	6.6		0.0618	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0256		0.02320		0.1360	J	0.000277	U	0.000147	J	0.00206
BF C MH SS 2816 (rerun)										U	0.00091																
CP MH SS 1015		J	13.0	J	0.0152		0.0060				0.00490	U	0.0025	J	0.080		0.0266		0.01030	J	0.0655	J	0.000272		0.000147	J	0.00223
CP MH SS 1015 (rerun)							0.0059				0.00490																
LM No. 2			13.0	J	0.0780	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
December 11, 2020	0.00																										
002			13.0	J	0.0670	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0270	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0156	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0274		0.01500		0.1040	J	0.000278	U	0.000147	J	0.00194
BF C MH SS 2816		J	6.6	J	0.0203	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0263		0.00943		0.2030	J	0.000254	U	0.000147	J	0.00190
CP MH SS 1015		J	8.7	J	0.0298	J	0.0015			U	0.00091	U	0.0025	J	0.070		0.0267		0.01110		0.1080	J	0.000255	U	0.000147	J	0.00706
LM No. 2			12.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
December 12, 2020	0.93																										
002			12.0	BJ	0.0610	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0290	J	0.00210	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0143	U	0.0012			J	0.00120	U	0.0025	J	0.070		0.0277		0.01930	J	0.0615	J	0.000499	U	0.000147	J	0.00930
BF C MH SS 2816		J	8.7	J	0.0224	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0257		0.02150		0.1020	J	0.000358	U	0.000147	J	0.00806
CP MH SS 1015		J	6.6	J	0.0254	U	0.0012			U	0.00120	U	0.0025	J	0.070		0.0258		0.01340		0.1520	J	0.000340	U	0.000147	J	0.00896
LM No. 2		U	9.3	BJ	0.0760	U	0.0040	U	0.00091			MU	0.0060		0.130		0.0310	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 13, 2020	0.25																										
002		J	9.8	BU	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280		0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6	J	0.0225	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0294		0.00729	J	0.0768	J	0.000207	U	0.000147	J	0.00714
BF C MH SS 2816			21.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0270		0.01470		0.1580	J	0.000601	U	0.000147		0.01380
CP MH SS 1015		J	19.0	J	0.0184	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0280		0.01840		0.2820	J	0.000861	U	0.000147		0.01220
LM No. 2			43.0	B	0.2200	U	0.0040	U	0.00091			U	0.0060		0.130		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 14, 2020	0.00																										
002		J	9.8	J	0.0870	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0305	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0295		0.02200		0.0826	J	0.000316	U	0.000147	J	0.00850
BF C MH SS 2816		J	8.7	J	0.0204	U	0.0012			U	0.00091	U	0.0025	J	0.060		0.0266		0.01300		0.0835	J	0.000205	U	0.000147	J	0.00986
CP MH SS 1015		J	6.6		0.0346	J	0.0012			U	0.00091	U	0.0025	J	0.060		0.0276		0.01360		0.1490	J	0.000207	U	0.000147	J	0.00899
LM No. 2			11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0290	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 15, 2020	0.00																										
002			21.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0400	J	0.00190	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0548	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0299		0.02950		0.0973	J	0.000350	U	0.000147	J	0.00998
BF C MH SS 2816		J	11.0		0.0405	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0274		0.01470	J	0.0286	J	0.000342	U	0.000147		0.01440
CP MH SS 1015		J	13.0	J	0.0143	U	0.0012			J	0.00100	U	0.0025	J	0.080		0.0330		0.02010		0.1100	J	0.000384	U	0.000147	J	0.00942
LM No. 2			15.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0270	J	0.00130	BJ	0.0300	U	0.003300	U	0.000053	U	0.00730
December 16, 2020	0.00																										
002			10.0		0.1900	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0340	J	0.00170	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0597	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0351		0.02340		0.1220	J	0.000331	U	0.000147	J	0.00785
BF C MH SS 2816		J	8.7	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0301		0.02140		0.0804	J	0.000290	U	0.000147	J	0.00600
CP MH SS 1015		J	11.0	J	0.0147	U	0.0012			J	0.00098	U	0.0025	J	0.090		0.0328		0.01790		0.1050	J	0.000364	J	0.000147	J	0.00882
LM No. 2		U	9.3		0.2600	U	0.0040	U	0.00091			U	0.0060		0.140		0.0350	U	0.00130	J	0.0220	U	0.003300	U	0.000053	U	0.00730
December 17, 2020	0.01																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0330	J	0.00190	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6		0.0376	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0293		0.02830		0.1200	J	0.000341	U	0.000147	J	0.00538
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		J	11.0		0.0329	U	0.0012			U	0.00091	u	0.0025	J	0.060		0.0302		0.01740		0.1060	J	0.000332	U	0.000147	J	0.00274
BF C MH SS 2816 (rerun)										U	0.00091																
CP MH SS 1015		J	13.0	J	0.0127	U	0.0012			U	0.00091		0.0025	J	0.060		0.0325		0.01410		0.1210	J	0.000563	U	0.000147	J	0.00346
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.140		0.0340	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
December 18, 2020	0.03																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00091		0.01200	J	0.0067		0.130		0.0280	J	0.00240	J	0.0160	U	0.003300	U	0.000053	U	0.00730
002 (rerun)										U	0.00091																
BF D MH SS 2316		J	11.0	J	0.0243	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0255		0.02470	U	0.0160	J	0.000314	U	0.000147	J	0.00352
BF D MH SS 2316 (rerun)										U	0.00091																
BF C MH SS 2816		U	6.1	J	0.0285	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0253		0.01460	U	0.0160	J	0.000284	U	0.000147	J	0.00506
BF C MH SS 2816 (rerun)										U	0.00091																
CP MH SS 1015		J	17.0	U	0.0098	J	0.0040				0.00310	U	0.0025	J	0.090		0.0305		0.01160	U	0.0160	J	0.000355	U	0.000147	J	0.00356
CP MH SS 1015 (rerun)											0.00290																
LM No. 2		U	9.3	J	0.0650	U	0.0040	U	0.00091			U	0.0060		0.140		0.0260	J	0.00170	J	0.0180	U	0.003300	U	0.000053	J	0.01100
December 19, 2020	0.00																										
002		U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00140	J	0.0220	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6	J	0.0108	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0284		0.03000	J	0.0523	J	0.000308	U	0.000147	J	0.00500
BF C MH SS 2816		J	6.6		0.0460	U	0.0012			U	0.00091	U	0.0025	J	0.090		0.0269		0.01640		0.3150	J	0.000579	U	0.000147	J	0.00459
CP MH SS 1015		J	11.0	J	0.0171	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0292		0.00986		0.0978	J	0.000300	U	0.000147	J	0.00262
LM No. 2		U	9.3		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 20, 2020	0.00																										
002		U	9.3	J	0.0880	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0234	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0254		0.00943		0.0938		0.000201	U	0.000147	J	0.00227
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		U	6.1	J	0.0239	J	0.0012			J	0.00130	U	0.0025	U	0.058		0.0269		0.01940	J	0.0447	J	0.000228	U	0.000147	J	0.00204
CP MH SS 1015		J	15.0	U	0.0098	J	0.0048				0.00350	U	0.0025	U	0.058		0.0271		0.01930	J	0.0383	J	0.000222	U	0.000147	J	0.00313
CP MH SS 1015 (rerun)							0.0052				0.00310																
LM No. 2		U	9.3		0.1300	U	0.0040	U	0.00091			U	0.0060		0.130		0.0280	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
December 21, 2020	0.02																										
002		U	9.3	J	0.0880	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0310	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0262		0.02000	J	0.0676	J	0.002320	U	0.000147	J	0.00388
BF D MH SS 2316 (rerun)											0.00590																
BF C MH SS 2816		U	6.1		0.0395	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0256		0.01230	J	0.0703	J	0.000204	U	0.000147	J	0.00168
CP MH SS 1015		J	17.0	U	0.0098	J	0.0036				0.00410	U	0.0025	U	0.058		0.0259		0.01300	J	0.0477	J	0.000211	U	0.000147	J	0.00258
CP MH SS 1015 (rerun)						J	0.0034				0.00370																
CP MH SS 1015 (rerun)											0.00290																
LM No. 2		U	9.3	J	0.0900	U	0.0040	U	0.00091			U	0.0060		0.130		0.0400	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 22, 2020	0.00																										
002		U	9.3		0.1200	U	0.0040	U	0.00091		no data	U	0.0060		0.130		0.0340	J	0.00250	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0		0.0339	U	0.0012				0.00240	U	0.0025	U	0.058		0.0265		0.01480	U	0.0160	J	0.000346	U	0.000147		0.01030
BF D MH SS 2316 (rerun)											0.00190																
BF C MH SS 2816		U	13.0		0.0320	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266		0.02510	U	0.0160	J	0.000236	U	0.000147		0.01810
CP MH SS 1015		J	17.0	J	0.0209	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0296		0.01490	U	0.0160	J	0.000635	U	0.000147		0.01030
CP MH SS 1015 (rerun)										U	0.00091																
LM No. 2			10.0	J	0.0990	MU	0.0040	U	0.00091			U	0.0060		0.130		0.0340	J	0.00140	J	0.0330	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
December 23, 2020	0.00																										
002			15.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0300	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0	J	0.0236	J	0.0030			U	0.00091	U	0.0025	J	0.080		0.0336		0.02090	U	0.0160	J	0.000382	U	0.000147	J	0.00557
BF C MH SS 2816		J	8.7	J	0.0319	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0297		0.02050	U	0.0160	J	0.000296	U	0.000147	J	0.00359
CP MH SS 1015		J	8.7	J	0.0256	U	0.0012			U	0.00091	U	0.0025	J	0.080		0.0310		0.01560	U	0.0160	J	0.000418	U	0.000147	J	0.00450
LM No. 2			10.0	J	0.0750	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0340	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 24, 2020	0.00																										
002			12.0		0.2400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0360	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0309		0.01350	U	0.0160	J	0.000261	U	0.000147	J	0.00390
BF D MH SS 2316 (rerun)						U	0.0012																				
BF C MH SS 2816		J	11.0	J	0.0231	U	0.0012			U	0.00091	U	0.0025	J	0.070		0.0277		0.01710	U	0.0160	J	0.000228	U	0.000147	J	0.00213
CP MH SS 1015		J	6.6	U	0.0098		0.0170				0.01200	U	0.0025	J	0.080		0.0300		0.01650	U	0.0160	J	0.000329	U	0.000147	J	0.00311
CP MH SS 1015 (rerun)							0.0170				0.01500																
LM No. 2			14.0	J	0.0540	MU	0.0040	U	0.00170			U	0.0060		0.130		0.0430	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 25, 2020	0.00																										
002			13.0		0.1600	u	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0270		0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0284		0.03490	U	0.0160	J	0.000214	U	0.000147	J	0.00211
BF C MH SS 2816		J	15.0	J	0.0294	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0248		0.02230	U	0.0160	J	0.000269	U	0.000147	J	0.00148
CP MH SS 1015		J	17.0	J	0.0187	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0259		0.01480	U	0.0160	J	0.000352	U	0.000147	J	0.00152
LM No. 2			12.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 26, 2020	0.00																										
002			13.0	J	0.0930	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0548	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0260		0.01280	U	0.0160	J	0.000228	U	0.000147	J	0.00750
BF C MH SS 2816		J	13.0		0.0399	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0344		0.03360	U	0.0160	J	0.000331	U	0.000147	J	0.00952
CP MH SS 1015		J	15.0	J	0.0300	J	0.0016			U	0.00170	U	0.0025	J	0.060		0.0312		0.00861	U	0.0160	J	0.000317	U	0.000147	J	0.00737
LM No. 2			11.0	J	0.0590	MU	0.0040	U	0.00170			U	0.0060		0.140		0.0280	J	0.00140	J	0.0130	U	0.003300	U	0.000053	U	0.00730
December 27, 2020	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270		0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0		0.0583	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0241		0.01480	U	0.0160	J	0.000243	U	0.000147	J	0.00817
BF C MH SS 2816		U	6.1		0.0326	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0231		0.01390	U	0.0160	J	0.000240	U	0.000147		0.01020
CP MH SS 1015		J	6.6	J	0.0307	U	0.0012			U	0.00170	J	0.0050	J	0.060		0.0243	J	0.00248	U	0.0160	J	0.000275	U	0.000147	J	0.00706
LM No. 2			10.0	J	0.0800	U	0.0040	U	0.00170			U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 28, 2020	0.00																										
002			16.0	J	0.0880	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0300	J	0.00180	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6	J	0.0311	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0272		0.00948	U	0.0160	U	0.000148	U	0.000147	J	0.00755
BF C MH SS 2816		J	6.6	J	0.0295	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0271		0.01220	U	0.0160	J	0.000169	U	0.000147	J	0.00810
CP MH SS 1015		J	8.7	J	0.0261	U	0.0012			U	0.00170	J	0.0059	U	0.058		0.0263		0.01560	U	0.0160	J	0.000276	U	0.000147	J	0.00969
LM No. 2			17.0	MU	0.0540	U	0.0040	U	0.00170			J	0.0079		0.120		0.0340	U	0.00130	BJ	0.0190	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
December 29, 2020	0.00																										
002			12.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0280	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0104	U	0.0012				0.00440	U	0.0025	U	0.058		0.0276		0.00700	U	0.0160	J	0.000244	U	0.000147	J	0.00145
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0271		0.01430	U	0.0160	J	0.000869	U	0.001470	J	0.00527
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	8.7		0.0369		0.0012			U	0.00170		0.0100		0.100		0.0290		0.01180	U	0.0160	J	0.000325	U	0.000147	J	0.00252
LM No. 2			11.0	U	0.0540	U	0.0040	U	0.00140			J	0.0067		0.140		0.0370	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
December 30, 2020	0.00																										
002			18.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0350	J	0.00370	J	0.0180	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0371	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0256		0.01300	U	0.0160	J	0.000150	U	0.000147	J	0.00843
BF C MH SS 2816		J	13.0		0.0452	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0270		0.01170	U	0.0160	J	0.000151	U	0.000147	J	0.00862
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	6.6		0.0499	U	0.0012				0.00300	U	0.0025	J	0.080		0.0333		0.01350	U	0.0160	J	0.000219	U	0.000147	J	0.00873
CP MH SS 1015 (rerun)										U	0.00170																
LM No. 2			19.0		0.1100	U	0.0040	U	0.00170			MU	0.0060		0.140		0.0390	J	0.00410	U	0.0120	U	0.003300	U	0.000053	U	0.00730
December 31, 2020	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6		0.0349	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0293		0.01080	U	0.0160	J	0.000181	U	0.000147	J	0.00901
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	11.0		0.0401	U	0.0012			U	0.00170		0.0025	J	0.090		0.0262		0.01300	U	0.0160	J	0.000199	U	0.000147	J	0.00730
CP MH SS 1015		J	15.0		0.0322	J	0.0025				0.00240		0.0095	J	0.090		0.0277		0.00979	U	0.0160	J	0.000236	U	0.000147	U	0.00945
CP MH SS 1015 (rerun)										U	0.00170																
LM No. 2			21.0		0.1200	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0290	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 1, 2021	0.00																										
002		U	9.3	J	0.0920	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0290	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6		0.0456	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0281		0.01180	U	0.0160	J	0.000151	U	0.000147	J	0.00723
BF C MH SS 2816		J	6.6		0.0342	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0259		0.02280	U	0.0160	J	0.000193	U	0.000147	J	0.00831
CP MH SS 1015		J	13.0		0.0384	U	0.0012			U	0.00170	J	0.0042	J	0.060		0.0266		0.00990	U	0.0160	J	0.000152	U	0.000147	J	0.00789
LM No. 2			19.0		0.1200	MU	0.0040	U	0.00170			MU	0.0060		0.130		0.0280	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 2, 2021	0.00																										
002			17.0		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0252		0.01550	U	0.0160	J	0.000166	J	0.000579	J	0.00681
BF C MH SS 2816		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0240		0.01870	U	0.0160	J	0.000152	U	0.000147	J	0.00183
CP MH SS 1015		J	11.0	J	0.0165	U	0.0012			U	0.00170		0.0230		0.110		0.0251		0.01870	U	0.0160	J	0.001670	U	0.000147		0.02110
LM No. 2			18.0		0.1200	MU	0.0040	U	0.00170			U	0.0060		0.120		0.0270	J	0.00270	J	0.0150	U	0.003300	U	0.000053	U	0.00730
January 3, 2021	0.00																										
002			21.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0106	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0242		0.02770	U	0.0160	U	0.000148	U	0.000147		0.01320
BF C MH SS 2816		U	6.1		0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0260		0.00981	U	0.0160	J	0.000168	U	0.000147	J	0.00812
CP MH SS 1015		J	17.0		0.0824	U	0.0012			U	0.00170	J	0.0071	J	0.060		0.0262		0.01770	U	0.0160		0.008920	U	0.000147		0.10200
LM No. 2			18.0		0.1400	U	0.0040	U	0.00170			J	0.0085		0.140		0.0300	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
January 4, 2021	0.00																										
002			14.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025		0.058		0.0248		0.03060	U	0.0160	U	0.000148	U	0.000147		0.01070
BF C MH SS 2816		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025		0.058		0.0266		0.01880	U	0.0160	J	0.000149	U	0.000147	J	0.00919
CP MH SS 1015		J	6.6	J	0.0111	U	0.0012			U	0.00170	J	0.0043	U	0.058		0.0274		0.01850	U	0.0160	U	0.000148	U	0.000147	J	0.00881
LM No. 2			14.0	J	0.0680	U	0.0040	U	0.00170			U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 5, 2021	0.00																										
002			13.0		0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0253		0.01290	U	0.0160	J	0.000320	U	0.000147	J	0.00752
BF C MH SS 2816		J	13.0	J	0.0133	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0251		0.01150	U	0.0160	J	0.000427	U	0.000147	J	0.00731
CP MH SS 1015			28.0		0.0539	U	0.0012			U	0.00170	J	0.0042	J	0.070		0.0267		0.02690	U	0.0160		0.015900	U	0.000147		0.18400
LM No. 2			14.0	J	0.0800	U	0.0040	U	0.00170			J	0.0062		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 6, 2021	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.150		0.0270		0.00200	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0140	J	0.0012			U	0.00170	U	0.0025	J	0.080		0.0289	J	0.00468	U	0.0160	J	0.000334	U	0.000147	J	0.00932
BF C MH SS 2816		U	6.1	J	0.0221	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0269		0.00774	U	0.0160	J	0.000207	U	0.000147	J	0.00891
CP MH SS 1015		J	11.0		0.0394	U	0.0012			U	0.00170	U	0.0025		0.240		0.0276	J	0.00118	U	0.0160	J	0.000764	U	0.000147		0.01230
LM No. 2		U	9.3	J	0.0870	U	0.0040	U	0.00170			MU	0.0060		0.140		0.0320	J	0.00130	J	0.0340	U	0.003300	U	0.000053	J	0.00860
January 7, 2021	0.00																										
002		U	9.3	J	0.0660	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0410	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6	U	0.0098	J	0.0022			J	0.00180	U	0.0025	J	0.070		0.0260		0.01450	U	0.0160	J	0.000202	U	0.000147	J	0.00943
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			U	0.00170	J	0.0027	J	0.070		0.0286		0.01130	U	0.0160	J	0.000154	U	0.000147	J	0.00796
CP MH SS 1015		J	11.0		0.0150	U	0.0012			U	0.00170	J	0.0033	J	0.080		0.0317		0.00880	U	0.0160	U	0.000148	U	0.000147	J	0.00877
LM No. 2			11.0	J	0.0980	U	0.0040	U	0.00170			MU	0.0060		0.140		0.0690	U	0.00130	U	0.0120	J	0.004000	U	0.000053	U	0.00730
January 8, 2021	0.00																										
002			11.0	J	0.0610	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0267	U	0.0012			U	0.00170	J	0.0029	J	0.070		0.0273		0.01840	U	0.0160	U	0.000148	U	0.000147		0.01180
BF C MH SS 2816		J	19.0		0.0343	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0264		0.01830	U	0.0160	J	0.000148	U	0.000147		0.01100
CP MH SS 1015		J	13.0	J	0.0204	U	0.0012			U	0.00170	J	0.0049		0.100		0.0268		0.01300	U	0.0160	J	0.000316	U	0.000147		0.01490
LM No. 2			15.0	J	0.0720	MU	0.0040	U	0.00170			U	0.0060		0.130		0.0300	J	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
January 9, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0300	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0245	J	0.0020			U	0.00170	U	0.0025	J	0.080		0.0280		0.01880	U	0.0160	J	0.000164	U	0.000147	J	0.00224
BF C MH SS 2816		J	13.0		0.0417	J	0.0015			U	0.00170	U	0.0025	J	0.080		0.0279		0.01920	U	0.0160	J	0.000236	U	0.000147	J	0.00340
CP MH SS 1015		J	13.0	U	0.0098	J	0.0014			U	0.00170	U	0.0025		0.180		0.0305		0.02530	U	0.0160	J	0.000489	U	0.000147	J	0.00954
LM No. 2		J	9.4	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 10, 2021	0.00																										
002		U	9.3	J	0.0960	MU	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0310	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0265	J	0.0016			U	0.00170	U	0.0025	J	0.080		0.0274		0.02310	U	0.0160	J	0.000274	U	0.000147	J	0.00324
BF C MH SS 2816		J	17.0	J	0.0113	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0258		0.03080	U	0.0160	J	0.000166	U	0.000147	J	0.00420
CP MH SS 1015		J	17.0	J	0.0263	U	0.0012			U	0.00170	U	0.0025		0.200		0.0284		0.02200	U	0.0160	J	0.000612	U	0.000147		0.01410
LM No. 2		U	9.3	J	0.0640	U	0.0040	U	0.00170			U	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
January 11, 2021	0.00																										
002		J	9.8	J	0.0690	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0160	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0236		0.03030	U	0.0160	U	0.000148	U	0.000147	J	0.00436
BF C MH SS 2816		J	11.0		0.0374	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0238		0.01780	U	0.0160	U	0.000148	U	0.000147	J	0.00259
CP MH SS 1015		J	11.0	U	0.0098	J	0.0023			U	0.00170		0.0180		0.150		0.0241		0.02590	U	0.0160	J	0.000159	U	0.000147	J	0.00225
LM No. 2			11.0	J	0.0690	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 12, 2021	0.00																										
002			11.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0232	J	0.0015			U	0.00170	U	0.0025	J	0.070		0.0286		0.01160	U	0.0160	U	0.000148	U	0.000147	J	0.00176
BF C MH SS 2816		J	13.0		0.0343	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0262		0.03550	U	0.0160		0.000184	U	0.000147	J	0.00467
CP MH SS 1015		J	19.0	U	0.0098	J	0.0021			U	0.00170	U	0.0025	J	0.080		0.0285		0.02290	U	0.0160	U	0.000148	U	0.000147	J	0.00235
LM No. 2			11.0	J	0.1000	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.00840
January 13, 2021	0.00																										
002			13.0	J	0.0540	MU	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0247	J	0.0037			J	0.00190	U	0.0025	J	0.070		0.0268		0.01840	U	0.0160	U	0.000148	U	0.000147	J	0.00868
BF C MH SS 2816		J	13.0	J	0.0232	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0282		0.01010	U	0.0160	U	0.000148	U	0.000147	J	0.00419
CP MH SS 1015		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0267		0.01180	U	0.0160	U	0.000148	U	0.000147	J	0.00308
LM No. 2		U	9.3	J	0.0770	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 14, 2021	0.00																										
002			11.0	J	0.0730	U	0.0040		0.00220		0.00230	U	0.0060		0.130		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)								J	0.00190	J	0.00190																
BF D MH SS 2316		J	11.0	J	0.0112	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0267		0.01200				0.000148	U	0.000147	J	0.00345
BF C MH SS 2816		J	19.0	J	0.0107	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0281		0.00934	U	0.0160	U	0.000148	U	0.001470	J	0.00243
CP MH SS 1015		J	13.0		0.0597	U	0.0012			U	0.00170	U	0.0025		0.120		0.0330	J	0.00437	U	0.0160	J	0.000372	U	0.000147	J	0.00562
LM No. 2		J	9.8	J	0.0830	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 15, 2021	0.14																										
002			10.0	J	0.0900	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0270	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0247	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0270		0.01660	U	0.0160	U	0.000148	U	0.000147	J	0.00449
BF C MH SS 2816		J	8.7	J	0.0101	J	0.0012			U	0.00170	U	0.0025	J	0.070		0.0261		0.02100	U	0.0160	U	0.000148	U	0.000147	J	0.00223
CP MH SS 1015		J	13.0		0.0536	U	0.0012			U	0.00170	J	0.0032		0.110		0.0293		0.01900	U	0.0160	J	0.000359	U	0.000147	J	0.00611
LM No. 2		J	9.8		0.1000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 16, 2021	0.00																										
002			17.0	J	0.0850	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	J	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0234	J	0.0025			J	0.00170	U	0.0025	J	0.060		0.0254		0.02070	U	0.0160	U	0.000148	U	0.000147	J	0.00753
BF C MH SS 2816		J	15.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0275		0.01820	U	0.0160	U	0.000148	U	0.000148	J	0.00513
CP MH SS 1015		J	15.0	J	0.0269	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0292		0.01730	U	0.0160	J	0.000169	U	0.000147	J	0.00782
LM No. 2			15.0		0.1200	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 17, 2021	0.00																										
002			15.0	J	0.0780	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0230	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0269		0.01590	U	0.0160	U	0.000148	U	0.000147	J	0.00539
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0026	J	0.060		0.0240		0.01710	U	0.0160	U	0.000148	U	0.000147	J	0.00509
CP MH SS 1015		J	15.0		0.0415	J	0.0013			J	0.00180	U	0.0025	J	0.060		0.0253		0.01600	U	0.0160	J	0.000211	U	0.000147	J	0.00845
LM No. 2			14.0		0.1500	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
January 18, 2021	0.00																										
002		J	9.4	J	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0197	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0240		0.01730	U	0.0160	U	0.000148	U	0.000147	J	0.00325
BF C MH SS 2816		J	13.0	J	0.0236	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0241		0.01600	U	0.0160	U	0.000148	U	0.000147	J	0.00333
CP MH SS 1015		J	13.0		0.0454	U	0.0012			U	0.00170	J	0.0037	J	0.060		0.0240		0.01280	U	0.0160	U	0.000148	U	0.000147	J	0.00205
LM No. 2			13.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 19, 2021	0.00																										
002			12.0	J	0.0770	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0254		0.01640	U	0.0160	U	0.000148	U	0.000147	J	0.00366
BF C MH SS 2816		J	11.0		0.0344	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0237		0.01330	U	0.0160	U	0.000148	U	0.000147	J	0.00258
CP MH SS 1015		J	15.0		0.0607	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0246		0.01600	U	0.0160	U	0.000148	U	0.000147	J	0.00293
LM No. 2			13.0	U	0.0540	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 20, 2021	0.00																										
002			12.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00170	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0231	U	0.0012			U	0.00170	J	0.0042	J	0.080		0.0254		0.01070	U	0.0160	U	0.000148	U	0.000147	J	0.00201
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0244		0.01530	U	0.0160	U	0.000148	U	0.000147	J	0.00204
CP MH SS 1015		J	17.0		0.0743	U	0.0012			J	0.00190	J	0.0049	J	0.070		0.0250		0.01220	U	0.0160	U	0.000148	U	0.000147	J	0.00239
LM No. 2			10.0	U	0.0540	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0280	U	0.00130	BJ	0.0140	U	0.003300	U	0.000053	U	0.00730
January 21, 2021	0.00																										
002			14.0		0.1000	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0235	J	0.0046			U	0.00170	U	0.0025	J	0.090		0.0275		0.01530	J	0.0160	J	0.000151	U	0.000147	J	0.00224
BF D MH SS 2316 (rerun)						U	0.0012			U	0.00170																
BF C MH SS 2816		J	11.0	J	0.0248	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0242		0.01750		0.0160		0.000148		0.000147	J	0.00169
BF C MH SS 2816 (rerun)						U	0.0012																				
CP MH SS 1015		J	13.0		0.0682	J	0.0019				0.00300	U	0.0025	J	0.070		0.0252		0.00763		0.0160	J	0.000184	U	0.000147	J	0.00204
CP MH SS 1015 (rerun)											0.00340																
LM No. 2			17.0	J	0.0650	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0260	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
January 22, 2021	0.00																										
002		U	9.3		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			21.0	J	0.0240	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0317		0.01240	U	0.0160	J	0.000885	U	0.000147	J	0.00667
BF D MH SS 2316 (rerun)											0.00210																
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			J	0.00190	U	0.0025	J	0.060		0.0264		0.01380	U	0.0160	U	0.000148	U	0.000147	J	0.00177
CP MH SS 1015		J	17.0		0.0603	J	0.0025				0.00410	U	0.0025	J	0.060		0.0276		0.01150	U	0.0160	J	0.000256	U	0.000147	J	0.00756
CP MH SS 1015 (rerun)											0.00420																
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 23, 2021	0.00																										
002		U	9.3	J	0.0760	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0279	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0240		0.03710	U	0.0160	J	0.000153	U	0.000147	J	0.00332
BF C MH SS 2816		J	13.0	J	0.0143	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0266		0.02230	U	0.0160	J	0.000169	U	0.000147	J	0.00218
CP MH SS 1015			21.0		0.1250	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0218		0.01980	U	0.0160	J	0.002820	U	0.000147		0.02220
LM No. 2			10.0	J	0.1000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0300	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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October 11, 2021

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January 24, 2021	0.00																										
002		U	9.3	J	0.0630	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	17.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0264		0.01960	U	0.0160	U	0.000148	U	0.000147	J	0.00242
BF C MH SS 2816		J	11.0		0.0325	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0253		0.01820	U	0.0160	U	0.000148	U	0.000147	J	0.00243
CP MH SS 1015		J	19.0		0.0580	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0275		0.01810	U	0.0160	J	0.000309	U	0.000147	J	0.00394
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 25, 2021	0.00																										
002		U	9.3	J	0.0920	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0	J	0.0290	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0250		0.01260		0.1090	J	0.000844	U	0.000147	J	0.00540
BF C MH SS 2816		J	15.0	J	0.0141	U	0.0012			U	0.00170	U	0..0025	J	0.060		0.0238		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00475
CP MH SS 1015		J	15.0		0.0362	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0237		0.01820	U	0.0160	J	0.000152	U	0.000147	J	0.00203
LM No. 2		U	9.3		0.1800	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 26, 2021	0.00																										
002		J	9.8	J	0.0820	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00180	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0188	J	0.0029				0.00220	U	0.0025	U	0.058		0.0275		0.01290	U	0.0160	U	0.000148	U	0.000147	J	0.00182
BF D MH SS 2316 (rerun)											0.00200																
BF C MH SS 2816		J	6.6	J	0.0249	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0257		0.02290	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	11.0		0.0720	U	0.0012				0.00240	U	0.0025	U	0.058		0.0262		0.00969	U	0.0160	J	0.000208	U	0.000147	J	0.00212
CP MH SS 1015 (rerun)										J	0.00190																
LM No. 2		U	9.3	J	0.0930	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0250	U	0.003300	U	0.000053	U	0.00730
January 27, 2021	0.00																										
002		U	9.3	J	0.0870	U	0.0040	J	0.00170	U	0.00170	U	0.0060		0.130		0.0410	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0		0.0355	J	0.0032				0.00550	U	0.0025	U	0.058		0.0276		0.02150	U	0.0160	U	0.000148	U	0.000147	J	0.00192
BF D MH SS 2316 (rerun)											0.00540																
BF C MH SS 2816		J	17.0	J	0.0302	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0253		0.01870	U	0.0160	U	0.000148	U	0.000147	J	0.00188
CP MH SS 1015		J	15.0		0.0620	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0262		0.00735	U	0.0160	J	0.000214	U	0.000147	J	0.00185
CP MH SS 1015 (rerun)										U	0.00170																
LM No. 2		U	9.3	M	0.1200	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
January 28, 2021	0.00																										
002		U	9.3	J	0.0850	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	17.0		0.0416	J	0.0015				0.00470	J	0.0054	J	0.070		0.0287		0.01330	U	0.0160	J	0.000272	U	0.000147	J	0.00373
BF D MH SS 2316 (rerun)											0.00670																
BF C MH SS 2816		J	17.0		0.0751	U	0.0012				0.00260	U	0.0025	J	0.090		0.0307		0.01430	U	0.0160	J	0.000876	U	0.000088		0.01050
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	13.0		0.0845	U	0.0012			U	0.00170	J	0.0038	J	0.080		0.0325		0.01040	U	0.0160	J	0.000294	U	0.000147	J	0.00387
CP MH SS 1015 (rerun)										U	0.00170																
LM No. 2		U	9.3	M	0.1600	U	0.0040	U	0.00170			U	0.0060		0.130		0.0280	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
January 29, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0123	U	0.0012			J	0.00200	U	0.0025	J	0.070		0.0286		0.01630	U	0.0160	J	0.000181	U	0.000147	J	0.00208
BF C MH SS 2816		J	8.7		0.0505	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0268		0.01900	U	0.0160	J	0.000203	U	0.000147	J	0.00309
CP MH SS 1015		U	6.1		0.1330	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0278		0.01110	U	0.0160	J	0.000286	U	0.000147	J	0.00329
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	J	0.003500	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
January 30, 2021	0.00																										
002		U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00140	U	0.0120	J	0.003500	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0204	J	0.0012			U	0.00170	J	0.0028	J	0.060		0.0289		0.01570	U	0.0160	J	0.000213	U	0.000147	J	0.00239
BF C MH SS 2816		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0269		0.01350	U	0.0160	J	0.000205	U	0.000147	J	0.00108
CP MH SS 1015		J	13.0		0.1800	U	0.0012			U	0.00170	U	0.0025	U	0.070		0.0312		0.01260	U	0.0160	J	0.000429	U	0.000147	J	0.00296
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.01100
January 31, 2021	0.00																										
002		J	9.4		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0		0.0581	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0262		0.01250	U	0.0160	J	0.000164	U	0.000147	J	0.00155
BF C MH SS 2816		J	17.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0267		0.01430	U	0.0160	J	0.000236	U	0.000147	J	0.00207
CP MH SS 1015		J	17.0	J	0.0124	U	0.0012			U	0.00170	J	0.0043	J	0.060		0.0273		0.01070	U	0.0160	J	0.000297	U	0.000147	J	0.00524
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 1, 2021	0.00																										
002		U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0172	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0254		0.01080	U	0.0160	J	0.000273	U	0.000147	J	0.00205
BF C MH SS 2816		J	15.0	J	0.0287	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0248		0.01690	U	0.0160	J	0.000570	U	0.000147	J	0.00446
CP MH SS 1015		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0244		0.01300	U	0.0160	J	0.000238	U	0.000147	J	0.00213
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0290	U	0.00130	J	0.0200	U	0.003300	U	0.000053	U	0.00730
February 2, 2021	0.00																										
002		J	9.8		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0		0.0468	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0286		0.01410	U	0.0160	J	0.000292	U	0.000147	J	0.00359
BF C MH SS 2816		J	11.0	J	0.0290	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267		0.01810	U	0.0160	J	0.000508	U	0.000147	J	0.00463
CP MH SS 1015		J	13.0		0.0518	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0249		0.01500	J	0.0171	J	0.000290	U	0.000147	J	0.00490
LM No. 2			10.0	J	0.0660	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
February 3, 2021	0.00																										
002			12.0		0.1200	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.140		0.0360	J	0.00440	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0		0.0371	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0292		0.01780	U	0.0160	J	0.000689	U	0.000147	J	0.00535
BF C MH SS 2816		J	11.0	J	0.0143	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0260		0.02180	U	0.0160	J	0.000292	U	0.000147	J	0.00369
CP MH SS 1015		J	11.0	J	0.0193	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0315		0.01740	U	0.0160	J	0.000368	U	0.000147	J	0.00356
LM No. 2			10.0		0.1100	U	0.0040		0.00200			U	0.0060		0.130		0.0860	J	0.00190	U	0.0012	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00170																		
February 4, 2021	0.00																										
002			12.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0340	J	0.00240	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0330	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0291		0.01670	U	0.0160	J	0.000261	U	0.000147	J	0.00253
BF C MH SS 2816		J	13.0	J	0.0310	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0279		0.00504	U	0.0160	J	0.000503	U	0.000147	J	0.00253
CP MH SS 1015		J	13.0	J	0.0237	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0289		0.00751	U	0.0160	J	0.000508	U	0.000147	J	0.00320
LM No. 2		J	9.8	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0660	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 5, 2021	0.00																										
002		J	9.4		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	J	0.00850
BF D MH SS 2316		J	11.0		0.0494	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0274		0.01790	U	0.0160	J	0.000247	U	0.000147	J	0.00232
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0284		0.01650	U	0.0160	J	0.000226	U	0.000147	J	0.00175
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	15.0		0.0323	U	0.0012				0.00370	U	0.0025	U	0.058		0.0310		0.01400	U	0.0160	J	0.000409	U	0.000147	J	0.00273
CP MH SS 1015 (rerun)											0.00400																
LM No. 2		U	9.3	J	0.0590	U	0.0040	U	0.00170			U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
February 6, 2021	0.00																										
002			13.0	J	0.0850	U	0.0040	U	0.00170	U	0.00170	BJ	0.0074		0.130		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0265	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0302	J	0.00401	U	0.0160	J	0.000234	U	0.000147	J	0.00330
BF C MH SS 2816		J	13.0	J	0.0112	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0363		0.00718	U	0.0160	J	0.000326	U	0.000147	J	0.00261
CP MH SS 1015		J	13.0	J	0.0186	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0276	J	0.00326	U	0.0160	J	0.000264	U	0.000147	J	0.00320
LM No. 2			10.0	J	0.0700	U	0.0040	U	0.00170			U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 7, 2021	0.00																										
002			12.0	J	0.0930	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0258	J	0.00407	U	0.0160	J	0.000954	U	0.000147	J	0.00177
BF C MH SS 2816		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00409	U	0.0166	U	0.000148	U	0.000147	J	0.00119
CP MH SS 1015		J	11.0	J	0.0134	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0246	J	0.00224	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2			25.0	J	0.0880	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 8, 2021	0.00																										
002		M	33.0	J	0.0910	U	0.0040					BU	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0263	J	0.00292	U	0.0160	J	0.000149	U	0.000147	J	0..00237
BF C MH SS 2816		J	15.0	J	0.0207	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0312	J	0.00465	U	0.0160	J	0.000170	U	0.000147	J	0.00138
CP MH SS 1015		J	17.0	J	0.0199	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0271	J	0.00064	U	0.0160	U	0.000148	U	0.000147	J	0.00133
LM No. 2		U	9.3	J	0.0840	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 9, 2021	0.00																										
002		J	9.8	MJ	0.0730	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0108	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00239	U	0.0160	J	0.000212	U	0.000147	J	0.00245
BF C MH SS 2816			23.0	J	0.0113	U	0.0012			U	0.00170	U	0.0025		0.110		0.0362		0.00569	U	0.0160	J	0.000218	U	0.000147	J	0.00153
CP MH SS 1015		J	11.0	J	0.0266	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0250	J	0.00060	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2		U	9.3	J	0.0740	U	0.0040	U	0.00170			U	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 10, 2021	0.00																										
002		U	9.3	J	0.0980	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0129	J	0.0012			U	0.00170	U	0.0025	J	0.070		0.0287	J	0.00210	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	11.0	J	0.0206	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0246	J	0.00363	U	0.0160	U	0.000148	U	0.000147	J	0.00111
CP MH SS 1015		J	11.0	J	0.0220	J	0.0012			U	0.00170	U	0.0025	J	0.070		0.0242	J	0.00180	U	0.0160	U	0.000148	U	0.000147	J	0.00131
LM No. 2		U	9.3		0.1100	U	0.0040	U	0.00170			MJ	0.0066		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 11, 2021	0.00																										
002		U	9.3		0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00204	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816			42.0		0.0884	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0299		0.00508	U	0.0160	J	0.000166	U	0.000147	J	0.00220
CP MH SS 1015			26.0		0.0596	J	0.0015			U	0.00170	U	0.0025		0.100		0.0286	J	0.00171	U	0.0160	J	0.000722	U	0.000147		0.01540
LM No. 2		U	9.3	MJ	0.0860	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 12, 2021	0.00																										
002		U	9.3	J	0.0680	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0284	J	0.00213	U	0.0160	U	0.000148	U	0.000147	J	0.00122
BF C MH SS 2816		J	8.7	J	0.0159	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0286	J	0.00349	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	15.0	U	0.0098	U	0.0012			J	0.00180	U	0.0025	J	0.060		0.0296	J	0.00129	U	0.0160	J	0.000578	U	0.000147	J	0.00649
LM No. 2		U	9.3	J	0.0830	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
February 13, 2021	0.00																										
002		U	9.3		0.2200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0118	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0320	J	0.00217	U	0.0160	U	0.000148	U	0.000147	J	0.00152
BF C MH SS 2816		J	8.7	J	0.0156	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0295	J	0.00351		0.1020	U	0.000148	U	0.000147	J	0.00106
CP MH SS 1015		J	13.0	J	0.0147	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00091	U	0.0160	U	0.000148	U	0.000147	J	0.00180
LM No. 2		J	9.4	U	0.0540	U	0.0040	U	0.00170			QJ	0.0065		0.120		0.0250	U	0.00130	J	0.0220	U	0.003300	U	0.000053	U	0.00730
February 14, 2021	0.00																										
002			37.0		0.1600	U	0.0040	sample lost		sample lost		U	0.0060		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0236	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00303	U	0.0160	J	0.000201	U	0.000147	J	0.00319
BF C MH SS 2816		J	11.0	J	0.0185	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0299	J	0.00214	U	0.0160	J	0.000170	U	0.000147	J	0.00287
CP MH SS 1015		J	15.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0241	J	0.00079	U	0.0160	U	0.000148	U	0.000147	J	0.00178
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 15, 2021	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0230	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	17.0		0.0491	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0310	J	0.00268	U	0.0160	U	0.000148	U	0.000147	J	0.00271
BF C MH SS 2816		J	11.0		0.0376	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0291	J	0.00393	U	0.0160	J	0.000178	U	0.000147	J	0.00275
CP MH SS 1015		J	11.0	J	0.0233	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0305	J	0.00100	U	0.0160	J	0.000162	U	0.000147	J	0.00151
LM No. 2		U	9.3		0.1500	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
February 16, 2021	0.00																										
002		U	9.3		0.1800	J	0.0044	U	0.00170	U	0.00170	U	0.0060		0.130		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	J	0.01200
BF D MH SS 2316		J	19.0	J	0.0168	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0276	J	0.00190	U	0.0160	J	0.000230	U	0.000147	J	0.00169
BF C MH SS 2816		J	8.7		0.0475	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00339	U	0.0160	J	0.000276	U	0.000147	J	0.00381
CP MH SS 1015		J	8.7	J	0.0199	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0278	J	0.00052	U	0.0160	J	0.000155	U	0.000147	J	0.00173
LM No. 2		U	9.3	M	0.1200	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 17, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0167	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0320	J	0.00424	U	0.0160	J	0.000244	U	0.000147	J	0.00915
BF C MH SS 2816		J	19.0		0.0735	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0290		0.00574	U	0.0160	J	0.000300	U	0.000147	J	0.00867
CP MH SS 1015		J	17.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0272	J	0.00227	U	0.0160	J	0.000168	U	0.000147	J	0.00929
LM No. 2		U	9.3	J	0.0680	U	0.0040	U	0.00170			MJ	0.0074		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 18, 2021	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0	J	0.0199	J	0.0023			U	0.00170	U	0.0025	J	0.070		0.0315	J	0.00416	U	0.0160	J	0.000342	U	0.000147	J	0.00706
BF C MH SS 2816		J	15.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0314		0.00503	J	0.0181	J	0.000259	U	0.000147	J	0.00467
CP MH SS 1015			21.0	U	0.0098	J	0.0023			U	0.00170	U	0.0025	J	0.070		0.0297	J	0.00201	U	0.0016	J	0.000164	U	0.000147	J	0.00385
LM No. 2		U	9.3		0.1100	U	0.0040	U	0.00170			J	0.0078		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 19, 2021	0.00																										
002		J	9.8	J	0.0760	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0252	J	0.00270	U	0.0160	J	0.000245	U	0.000147	J	0.00327
BF C MH SS 2816		J	13.0	J	0.0143	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0256	J	0.00369	U	0.0160	J	0.000208	U	0.000147	J	0.00329
CP MH SS 1015		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0293	J	0.00090	U	0.0160	U	0.000148	U	0.000147	J	0.00193
LM No. 2		U	9.3	MRU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000260	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
February 20, 2021	0.00																										
002		U	9.3		0.2200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0	J	0.0157	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0315	J	0.00253	U	0.0160	U	0.000148	U	0.000147	J	0.00134
BF C MH SS 2816		J	8.7	J	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0299	J	0.00353	U	0.0160	U	0.000148	U	0.000147	J	0.00140
CP MH SS 1015		J	19.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025		0.100		0.0323	J	0.00066	U	0.0160	U	0.000148	U	0.000147	J	0.00120
LM No. 2		U	9.3	B	0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 21, 2021	0.00																										
002		U	9.3		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0286	J	0.00279	U	0.0160	J	0.001140	U	0.000147	J	0.00358
BF C MH SS 2816		J	13.0	J	0.0184	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0282	J	0.00373	U	0.0160	U	0.000148	U	0.000147	J	0.00106
CP MH SS 1015		J	13.0	J	0.0155	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0315	J	0.00063	U	0.0160	U	0.000148	U	0.000147	J	0.00104
LM No. 2		U	9.3	BJ	0.0890	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 22, 2021	0.00																										
002		U	9.3		0.2800	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0240	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0285	J	0.00227	U	0.0160	U	0.000148	U	0.000147	J	0.00139
BF C MH SS 2816		J	11.0	J	0.0231	U	0.0120			U	0.00170	U	0.0025	J	0.090		0.0267	J	0.00385	U	0.0160	J	0.000349	U	0.000147	J	0.00593
CP MH SS 1015		J	15.0	J	0.0298	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0274	J	0.00069	U	0.0160	U	0.000148	U	0.000147	J	0.00155
LM No. 2		U	9.3		0.2300	U	0.0040	U	0.00170			U	0.0060		0.140		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 23, 2021	0.00																										
002		U	9.3	J	0.0900	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0278	J	0.00206	U	0.0160	U	0.000148	U	0.000147	J	0.00240
BF C MH SS 2816		J	11.0	J	0.0147	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0262	J	0.00238	U	0.0160	J	0.000250	U	0.000147	J	0.00502
CP MH SS 1015		J	15.0	J	0.0176	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0264	J	0.00068	U	0.0160	U	0.000148	U	0.000147	J	0.00211
LM No. 2		U	9.3	J	0.0760	U	0.0040	U	0.00170			U	0.0060		0.140		0.0300	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
February 24, 2021	0.00																										
002		U	9.3	J	0.0920	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0		0.3700	U	0.0012				0.00550	U	0.0025	J	0.080		0.0294	J	0.00373	U	0.0160	J	0.000341	U	0.000147	J	0.00485
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	17.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0481	J	0.00125	U	0.0160	J	0.000225	U	0.000147	J	0.00214
CP MH SS 1015		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0284	J	0.00354	U	0.0160	J	0.000180	U	0.000147	J	0.00218
LM No. 2		J	9.4	M	0.1200	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 25, 2021	0.00																										
002		U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0169	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0322	J	0.00231	U	0.0160	J	0.000165	U	0.000147	J	0.00363
BF D MH SS 2316 (rerun)						JH	0.0013																				
BF C MH SS 2816		J	15.0	J	0.0317		0.0053			U	0.00170	U	0.0025	J	0.060		0.0258	J	0.00370	U	0.0160		0.000148	U	0.000147	U	0.00101
BF C MH SS 2816 (rerun)						UH	0.0025																				
CP MH SS 1015			26.0	J	0.0255	U	0.0012			U	0.00170	J	0.0030	J	0.060		0.0356	J	0.00154	U	0.0160	J	0.000368	U	0.000147	J	0.00585
LM No. 2		U	9.3		0.1300	U	0.0040	U	0.00170			U	0.0060		0.120		0.0230	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
February 26, 2021	0.00																										
002		U	9.3		0.1700	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0		0.0435	J	0.0016			U	0.00170	U	0.0025	J	0.070		0.0277	J	0.00181	U	0.0160	U	0.000148	U	0.000147	J	0.00191
BF C MH SS 2816		J	13.0	J	0.0129	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0266	J	0.00356	U	0.0160	U	0.000148	U	0.000147	J	0.00124
CP MH SS 1015		J	13.0	J	0.0268	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0301	J	0.00059	U	0.0160	U	0.000148	U	0.000147	J	0.00194
LM No. 2			10.0		0.1000	U	0.0040	U	0.00170			U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
February 27, 2021	0.05																										
002		U	9.4		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	J	0.0240	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0262	J	0.00176	U	0.0160	U	0.000148	U	0.000147	J	0.00129
BF C MH SS 2816		J	13.0	J	0.0273	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0252	J	0.00346	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	8.7	J	0.0137	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0258	J	0.00137	U	0.0160	U	0.000148	U	0.000147	J	0.00436
LM No. 2		J	9.4		0.1200	U	0.0040	U	0.00170			MU	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
February 28, 2021	0.00																										
002			13.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	J	0.00150	J	0.0200	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0247	J	0.00168	U	0.0160	U	0.000148	U	0.000147	J	0.00132
BF C MH SS 2816		J	15.0	J	0.0111	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0247	J	0.00322	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	13.0	J	0.0228	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0238	J	0.00046	U	0.0160	U	0.000148	U	0.000147	J	0.00194
LM No. 2		U	9.3		0.1900	U	0.0040	U	0.00170			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 1, 2021	0.00																										
002			19.0		0.1900	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0	J	0.0295	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0266	J	0.00249	U	0.0160	U	0.000148	U	0.000147	J	0.00212
BF C MH SS 2816		J	6.6	J	0.0118	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00347	U	0.0160	U	0.000148	U	0.000147	J	0.00134
CP MH SS 1015		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0291	J	0.00103	U	0.0160	U	0.000148	U	0.000147	J	0.00371
LM No. 2			12.0		0.1600	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
March 2, 2021	0.00																										
002			44.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00160	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7		0.0396	U	0.0012				0.00550	U	0.0025	J	0.070		0.0263	J	0.00181	U	0.0160	U	0.000148	U	0.000147	J	0.00162
BF D MH SS 2316 (rerun)											0.00300																
BF C MH SS 2816		J	11.0		0.0511	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0256	J	0.00341	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	15.0	J	0.0203	J	0.0019			U	0.00170	U	0.0025	J	0.080		0.0260	J	0.00062	U	0.0160	U	0.000148	U	0.000147	J	0.00120
LM No. 2			13.0	MJ	0.0770	U	0.0040	U	0.00170			U	0.0060	U	0.058		0.0290	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
March 3, 2021	0.00																										
002			20.0		0.1200	U	0.0040	U	0.00170	U	0.00170	J	0.0060		0.130		0.0290	J	0.00170	J	0.0160	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	U	0.0098	J	0.0020			U	0.00170	U	0.0025	J	0.080		0.0254	J	0.00246	U	0.0160	J	0.000206	U	0.000147	J	0.00354
BF C MH SS 2816		J	11.0	J	0.0108	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0277	J	0.00401	U	0.0160	J	0.000208	U	0.000147	J	0.00129
CP MH SS 1015		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0295	J	0.00071	J	0.0706	U	0.000148	U	0.000147	J	0.00146
LM No. 2			17.0	MJ	0.0730	U	0.0040		0.00330			MU	0.0060		0.130		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00170																		
March 4, 2021	0.00																										
002			18.0	J	0.0670	U	0.0040	U	0.00170	U	0.00170	J	0.0060		0.120		0.0250	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0		0.0470	U	0.0012				0.00460	U	0.0025	J	0.080		0.0281	J	0.00306	U	0.0470	J	0.000452	U	0.000147	J	0.00509
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	15.0	J	0.0160	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0270	J	0.00357	U	0.0470	U	0.000148	U	0.000147	J	0.00158
CP MH SS 1015		J	6.6	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0262	J	0.00136	U	0.0470	J	0.000466	J	0.000147	J	0.00491
CP MH SS 1015 (rerun)										U	0.00170																
LM No. 2			13.0	J	0.0560	U	0.0040	U	0.00170			U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
March 5, 2021	0.00																										
002			17.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	BJ	0.0150	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0		0.0410	U	0.0012				0.00370	U	0.0025	U	0.058		0.0238	J	0.00364		0.2060	J	0.000224	U	0.000260	J	0.00350
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0229		0.00990		0.1720	U	0.000220	U	0.000260	U	0.00220
BF C MH SS 2816 (rerun)										U	0.00170																
CP MH SS 1015		J	15.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0225	J	0.00190		0.2560	U	0.000220	U	0.000260	U	0.00220
LM No. 2			22.0	J	0.0890	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0260	U	0.00130	BJ	0.0130	U	0.003300	U	0.000053	U	0.00730
March 6, 2021	0.00																										
002			17.0	J	0.0650	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	U	0.00130	BJ	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			23.0		0.0566	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0322		0.00689		0.7520	J	0.002320	U	0.000260		0.02660
BF C MH SS 2816		U	6.1		0.0521	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0286	J	0.00296		0.1820	J	0.000330	U	0.000260	U	0.00220
CP MH SS 1015		J	15.0		0.0699	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0290	U	0.00099		0.1280	U	0.000220	U	0.000260	U	0.00220
LM No. 2			24.0	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0170	U	0.003300	U	0.000053	U	0.00730
March 7, 2021	0.00																										
002			17.0	J	0.0660	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0		0.0444	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0285	J	0.00176		1.1000	J	0.000348	U	0.000260	J	0.00503
BF C MH SS 2816		J	13.0		0.0587	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0275	J	0.00311		0.0817	U	0.000220	U	0.000260	U	0.00220
CP MH SS 1015		J	15.0		0.0442	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0277	U	0.00099		0.1340	U	0.000220	U	0.000260	U	0.00220
LM No. 2			18.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
March 8, 2021	0.00																										
002			13.0	J	0.0580	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	J	0.00190	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	11.0		0.0975	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0279	J	0.00177		0.3390	U	0.000220	U	0.000260	J	0.00441
BF C MH SS 2816		J	13.0		0.1070	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0276	J	0.00297		0.4250	U	0.000220	U	0.000260	J	0.00255
CP MH SS 1015			23.0		0.1060	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0279	U	0.00099		0.2800	J	0.000366	U	0.000260	J	0.00404
LM No. 2		U	9.3	J	0.0660	U	0.0040		0.00220			U	0.0060		0.130		0.0250	U	0.00130	J	0.0200	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00170																		
March 9, 2021	0.00																										
002			16.0		0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00170	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	6.6	J	0.0142	U	0.0040				0.00320	U	0.0025	J	0.070		0.0293	J	0.00146		0.2720	U	0.000220	U	0.000260	J	0.00258
BF D MH SS 2316 (rerun)										UH	0.00170																
BF C MH SS 2816		J	17.0	J	0.0188	U	0.0012				0.00320	U	0.0025	J	0.070		0.0281	J	0.00305		0.1800	U	0.000220	U	0.000260	J	0.00387
CP MH SS 1015		J	19.0		0.0386	U	0.0040			U	0.00170	U	0.0025	J	0.090		0.0290	U	0.00099		0.1820	J	0.000365	U	0.000260	J	0.00383
CP MH SS 1015 (rerun)										UH	0.00170																
LM No. 2			13.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 10, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun)																											
BF D MH SS 2316		J	15.0	J	0.0143	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0285	J	0.00259		0.4910	J	0.000342	U	0.000260	J	0.00856
BF C MH SS 2816		J	11.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0281	J	0.00418		0.1390	U	0.000220	U	0.000260	U	0.00220
BF C MH SS 2816 (rerun)				J	0.0121																						
CP MH SS 1015		J	17.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0285	U	0.00099		0.0937	U	0.000220	U	0.000260	U	0.00220
LM No. 2		U	9.3	U	0.0540		0.0054	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
March 11, 2021	0.00																										
002			12.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0126	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0337	J	0.00240		0.0810	U	0.000220	U	0.000260	U	0.00220
BF C MH SS 2816		J	11.0		0.0437	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0305	J	0.00393	J	0.0634	U	0.000220	U	0.000260	J	0.00227
CP MH SS 1015		J	13.0		0.0451	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0351	U	0.00099	J	0.0757	U	0.000220	U	0.000260	J	0.00218
LM No. 2		U	9.3		0.1300	U	0.0040	U	0.00170			U	0.0060		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 12, 2021	0.00																										
002			12.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.200		0.0270	U	0.00130	J	0.0190	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0189	J	0.0012			U	0.00170	U	0.0025	J	0.060		0.0298	J	0.00376		0.1780	J	0.001750	U	0.000260	J	0.00452
BF C MH SS 2816		J	11.0	J	0.0131	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0267	J	0.00470	J	0.0639	U	0.000220	U	0.000260	J	0.00251
CP MH SS 1015		J	13.0	J	0.0133	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0276	J	0.00147	J	0.0677	U	0.000220	U	0.000260	J	0.00285
LM No. 2		U	9.3	J	0.0960	U	0.0040	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 13, 2021	0.00																										
002			13.0	J	0.0960	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0	J	0.0295	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0260	J	0.00368	J	0.0215	J	0.000524	U	0.000147	J	0.00690
BF C MH SS 2816		J	11.0		0.0367	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0256	J	0.00429	J	0.0183	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	19.0	J	0.0119	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0308	J	0.00055	J	0.0184	U	0.000148	U	0.000147	J	0.00128
LM No. 2			15.0	M	0.1000	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 14, 2021	0.00																										
002			11.0	J	0.0560	U	0.0040	U	0.00170	U	0.00170	MU	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	15.0	J	0.0240	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0231	J	0.00192	J	0.0215	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	15.0	J	0.0215	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0250	J	0.00415	U	0.0160	U	0.000148	U	0.000147	J	0.00204
CP MH SS 1015		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0235	J	0.00047	J	0.0205	U	0.000148	U	0.000147	J	0.00164
LM No. 2			12.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 15, 2021	0.00																										
002			11.0	J	0.0560	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	19.0		0.0484	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0236	J	0.00222	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	19.0		0.0372	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0236	J	0.00414	U	0.0160	U	0.000148	U	0.000147	J	0.00250
CP MH SS 1015		J	15.0	J	0.0288	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0236	J	0.00036	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2			13.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 16, 2021	0.00																										
002		U	9.3		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	8.7	J	0.0254	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0245	J	0.00326	U	0.0160	J	0.000311	U	0.000147	J	0.03220
BF C MH SS 2816		J	13.0	J	0.0189	J	0.0012			J	0.00170	J	0.0025	J	0.070		0.0256	J	0.00339	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	13.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0296	J	0.00068	U	0.0160	U	0.000148	U	0.000147	J	0.00607
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 17, 2021	0.00																										
002		U	9.3	J	0.0860	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00700
BF D MH SS 2316			28.0	U	0.0098	J	0.0030			U	0.00170	U	0.0025	J	0.060		0.0254	J	0.00107	U	0.0160	J	0.000383	U	0.000147	J	0.00419
BF C MH SS 2816		J	8.7	J	0.0276	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0230	J	0.00332	U	0.0160	U	0.000148	U	0.000147	J	0.00106
CP MH SS 1015		J	15.0	J	0.0157	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0241	J	0.00199	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2			13.0		0.1500	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
March 18, 2021	0.08																										
002			14.0	J	0.0550	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0340	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	13.0	J	0.0203	J	0.0028			U	0.00170	U	0.0025	J	0.060		0.0261	J	0.00273	U	0.0160	J	0.000153	U	0.000147	J	0.00351
BF C MH SS 2816		J	15.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0255	J	0.00296	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015			21.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0297	J	0.00103	U	0.0160	J	0.000496	U	0.000147	J	0.00416
LM No. 2			12.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 19, 2021	0.22																										
002			16.0	J	0.0890	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053		0.01000
BF D MH SS 2316		J	11.0		0.0527	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0239	J	0.00262	U	0.0160	J	0.000215	U	0.000147	J	0.00233
BF C MH SS 2816		J	8.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0240	J	0.00302	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	11.0	J	0.0099	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0236	J	0.00064	U	0.0160	U	0.000148	U	0.000147	J	0.00234
LM No. 2			13.0		0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 20, 2021	0.00																										
002		U	9.3		0.0930	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0360	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0273	J	0.00191	U	0.0160	U	0.000148	U	0.000147	J	0.00131
BF C MH SS 2816		J	7.5		0.0347	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0250	J	0.00390	U	0.0160	J	0.000184	U	0.000147	J	0.00121
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0295	J	0.00049	U	0.0160	U	0.000148	U	0.000147	J	0.00134
LM No. 2			16.0	MJ	0.0960	J	0.0042	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 21, 2021	0.00																										
002			16.0		0.0940	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			20.0		0.0447	U	0.0120			U	0.00170	U	0.0025	J	0.060		0.0241	J	0.00393	U	0.0160	J	0.000286	U	0.000147	J	0.00525
BF C MH SS 2816		U	6.1		0.0389	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0231	J	0.00380	U	0.0160	J	0.000188	U	0.000147	J	0.00135
CP MH SS 1015		U	6.1	J	0.0284	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0241	J	0.00078	U	0.0160	U	0.000148	U	0.000147	J	0.00128
LM No. 2		J	9.4	J	0.0880	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 22, 2021	0.00																										
002			14.0		0.1600	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0243	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0281	J	0.00279	U	0.0160	J	0.000268	U	0.000147	J	0.00245
BF C MH SS 2816		U	6.1		0.0592	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0259	J	0.00303	U	0.0160	U	0.000148	U	0.000147	J	0.00108
CP MH SS 1015		J	7.5	J	0.0305	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0302	J	0.00042	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2		J	9.4	J	0.0710	U	0.0040	U	0.00170			U	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 23, 2021	0.00																										
002			22.0	J	0.0690	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0138	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0254	J	0.00408	U	0.0160	J	0.000800	U	0.000147	J	0.00563
BF C MH SS 2816		U	6.1	J	0.0297	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0237	J	0.00296	U	0.0160	U	0.000148	U	0.000147	J	0.00213
CP MH SS 1015		J	7.5	J	0.0159	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0251	J	0.00206	U	0.0160	J	0.001250	U	0.001470		0.01170
LM No. 2			13.0	J	0.0700	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 24, 2021	0.15																										
002			16.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	J	0.0255	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0275	J	0.00202	U	0.0160	U	0.000148	U	0.000147	J	0.00206
BF C MH SS 2816		J	7.5		0.0335	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0262	J	0.00318	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	7.5		0.0411	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0272	J	0.00101	U	0.0160	J	0.000471	U	0.000147	J	0.00514
LM No. 2			14.0		0.1200	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
March 25, 2021	0.00																										
002		U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0260	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0413	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0270	J	0.00342	U	0.0160	J	0.000587	U	0.000147	J	0.00412
BF C MH SS 2816		U	6.1		0.0518	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0233	J	0.00349	U	0.0160	U	0.000148	U	0.000147	J	0.00121
CP MH SS 1015		J	9.7	J	0.0173	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0231	J	0.00046	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2		J	7.5		0.1100	U	0.0044	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
March 26, 2021	0.82																										
002			16.0		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0159	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0357	J	0.00285	U	0.0160	J	0.000416	U	0.000147	J	0.00299
BF C MH SS 2816		U	6.1	J	0.0217	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0319	J	0.00363	U	0.0160	U	0.000148	U	0.000147	J	0.00532
CP MH SS 1015		U	6.1	J	0.0251	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0392	J	0.00085	U	0.0160	J	0.000176	U	0.000147	J	0.00238
LM No. 2			12.0	J	0.0830	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 27, 2021	0.00																										
002			12.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0367	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00251	U	0.0160	J	0.000275	J	0.000147	J	0.00154
BF C MH SS 2816		J	9.7	J	0.0235	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0266	J	0.00356	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	7.5	J	0.0314	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0339	J	0.00137	U	0.0160	J	0.000264	U	0.000147	J	0.00240
LM No. 2		U	6.1	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 28, 2021	0.23																										
002		U	6.1	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.5	J	0.0204	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0259	J	0.00256	U	0.0160	J	0.000247	U	0.000147	J	0.00279
BF C MH SS 2816		J	18.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0244	J	0.00354	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	16.0		0.0406	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0249	J	0.00068	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2			16.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 29, 2021	0.00																										
002		U	6.1	U	0.0540	U	0.0040	U	0.00170	U	0.00170	J	0.0067		0.130		0.0260	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0487	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0298	J	0.00190	U	0.0160	U	0.000148	U	0.000147	J	0.00106
BF C MH SS 2816		U	6.1	J	0.0218	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0275	J	0.00344	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	18.0		0.0404	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0316	J	0.00061	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2		J	7.5	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0280	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
March 30, 2021	0.00																										
002		U	6.1		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00160	J	0.0260	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0237	J U	0.0047 0.0012			U	0.00170	U	0.0025	J	0.060		0.0305	J	0.00338	J	0.0196	J	0.000517	U	0.000147	J	0.00300
BF C MH SS 2816		U	6.1		0.0503	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0276	J	0.00395	U	0.0160	J	0.000216	U	0.000147	J	0.00157
CP MH SS 1015		J	7.5		0.0334	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0274	J	0.00082	U	0.0160	J	0.000171	U	0.000147	J	0.00124
LM No. 2		J	9.7	M	0.1200	U	0.0040	U	0.00170			J	0.0080		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
March 31, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0268	J	0.00227	U	0.0160	J	0.000186	U	0.000147	J	0.00118
BF C MH SS 2816		J	7.5	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0272	J	0.00382	U	0.0160	J	0.000182	U	0.000147	U	0.00101
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0273	J	0.00091	U	0.0160	J	0.000180	U	0.000147	J	0.00162
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			J	0.0083		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

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Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
April 1, 2021	0.00																										
002		U	9.3		0.1600	U	0.0040	U	0.00120	U	0.00170	BU	0.0060		0.130		0.0260	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0309	J	0.00262	U	0.0160	J	0.000189	U	0.000147	J	0.00124
BF C MH SS 2816		J	9.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0272	J	0.00339	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	12.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0275	J	0.00084	U	0.0160	J	0.000205	U	0.000147	J	0.00112
LM No. 2		U	9.3	U	0.0540	MU	0.0040	U	0.00170			BU	0.0060		0.130		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 2, 2021	0.00																										
002			15.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0330	J	0.00200	J	0.0200	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	16.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0352	J	0.00215	U	0.0160	J	0.000169	U	0.000147	J	0.00115
BF C MH SS 2816		U	6.1	J	0.0290	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0307	J	0.00351	U	0.0160	J	0.000229	U	0.000147	J	0.00164
CP MH SS 1015		J	9.7	J	0.0167	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0328	J	0.00081	U	0.0160	J	0.000239	U	0.000147	J	0.00121
LM No. 2		U	9.3	J	0.0660	U	0.0040	U	0.00170			U	0.0060		0.140		0.0320	U	0.00130	J	0.0240	U	0.003300	U	0.000053	U	0.00730
April 3, 2021	0.00																										
002			11.0		0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0330	J	0.00150	J	0.0230	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0126	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0298	J	0.00227	U	0.0160	J	0.000202	U	0.000147	U	0.00101
BF C MH SS 2816		J	18.0	J	0.0264	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0274	J	0.00320	U	0.0160	J	0.000168	U	0.000147	U	0.00101
CP MH SS 1015		J	9.7	J	0.0163	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0289	J	0.00238	U	0.0160	J	0.001480	U	0.000147		0.01040
LM No. 2		U	9.3		0.1200	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0330	U	0.00130	J	0.0240	U	0.003300	U	0.000053	U	0.00730
April 4, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0310	J	0.00150	J	0.0250	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0227	J	0.0018			U	0.00170	U	0.0025	J	0.070		0.0268	J	0.00215	U	0.0160	J	0.000159	U	0.000147	J	0.00133
BF C MH SS 2816		J	7.5		0.0354	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0261	J	0.00379	U	0.0160	J	0.000150	U	0.000147	J	0.00130
CP MH SS 1015			81.0	J	0.0292	J	0.0016			U	0.00170	U	0.0025	J	0.070		0.0294		0.01230	U	0.0160		0.010100	U	0.000147		0.07000
LM No. 2		U	9.3	J	0.0730	U	0.0040	U	0.00170			U	0.0060		0.130		0.0310	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
April 5, 2021	0.00																										
002			11.0	J	0.0840	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0330	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	U	0.0098	J	0.0013			U	0.00170	U	0.0025	J	0.080		0.0258	J	0.00216	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	J	0.0178	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0269	J	0.00339	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	12.0	J	0.0233	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0318	J	0.00147	U	0.0160	J	0.000646	U	0.000147	J	0.00549
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 6, 2021	0.00																										
002		B	15.0	J	0.0870	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00250	J	0.0230	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0192	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00228	U	0.0160	U	0.000148	U	0.000147	J	0.00177
BF C MH SS 2816		J	16.0		0.0440	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0286	J	0.00362	U	0.0160	J	0.000150	U	0.000147	J	0.00164
CP MH SS 1015		U	6.1		0.0535	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0316	J	0.00139	U	0.0160	J	0.000600	U	0.000147	U	0.00599
LM No. 2		B	15.0		0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	J	0.00160	J	0.0190	U	0.003300	U	0.000053	U	0.00730
April 7, 2021	0.00																										
002			18.0	BM	0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0300	J	0.00260	J	0.0150	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0317	J	0.00212	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0286	J	0.00327	U	0.0160	U	0.000147	U	0.000147	U	0.00101
CP MH SS 1015		J	7.5		0.0354	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0299	J	0.00094	U	0.0160	J	0.000367	U	0.000147	J	0.00342
LM No. 2		B	16.0	B	0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	J	0.00200	J	0.0130	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
April 8, 2021 [4]	0.17																										
002			25.0		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0230	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.5	U	0.0098	J	0.0014			U	0.00170	U	0.0025	J	0.080		0.0323	J	0.00220	U	0.0160	U	0.000148	U	0.000147	J	0.00104
BF C MH SS 2816		J	14.0		0.0612	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0306		0.00788	U	0.0160	J	0.000895	U	0.000147	J	0.00535
CP MH SS 1015		J	7.5		0.0436	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0290	J	0.00075	U	0.0160	J	0.000274	U	0.000147	J	0.00262
LM No. 2		U	9.3		0.2000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 9, 2021	0.03																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0220	J	0.00180	J	0.0170	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			23.0		0.0439	U	0.0012			U	0.00170	J	0.0065	J	0.080		0.0277		0.00565	U	0.0160	J	0.001340	U	0.000147	J	0.00756
BF C MH SS 2816		J	12.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0246	J	0.00396	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		U	6.1	J	0.0140	U	0.0012			U	0.00170	J	0.0029	J	0.070		0.0256	J	0.00108	U	0.0160	J	0.000301	U	0.000147	J	0.00300
LM No. 2		U	9.3	MU	0.0540	U	0.0040	U	0.00170			MRU	0.0060		0.110		0.0220	U	0.00130	J	0.0220	U	0.003300	U	0.000053	U	0.00730
April 10, 2021	0.33																										
002			10.0	U	0.0540	U	0.0060	U	0.00170	U	0.00170	U	0.0060		0.110		0.0240	J	0.00180	B	0.0700	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	16.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0305		0.00700	U	0.0160	J	0.001490	U	0.000147	J	0.00831
BF C MH SS 2816		U	6.1	J	0.0221	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0272	J	0.00403	U	0.0160	U	0.000148	U	0.000147	J	0.00113
CP MH SS 1015		U	6.1	J	0.0150	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0335	J	0.00095	U	0.0160	J	0.000181	U	0.000147	J	0.00563
LM No. 2			11.0	MU	0.0540	U	0.0040	U	0.00170			J	0.0078		0.110		0.0230	U	0.00130	J	0.0300	U	0.003300	U	0.000053	U	0.00730
April 11, 2021	0.00																										
002			11.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0224	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0272	J	0.00249	U	0.0160	U	0.000148	U	0.000147	J	0.00417
BF C MH SS 2816		U	6.1		0.0419	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0262	J	0.00375	U	0.0160	U	0.000148	U	0.000147	J	0.00192
CP MH SS 1015		U	6.1		0.0384	J	0.0012			U	0.00170	U	0.0025	J	0.070		0.0278	J	0.00070	U	0.0160	U	0.000148	U	0.000147	J	0.00200
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	J	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
April 12, 2021	0.06																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	J	0.00180	J	0.0180	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0213	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0261	J	0.00215	U	0.0160	U	0.000148	U	0.000147	J	0.00101
BF C MH SS 2816		J	7.5	J	0.0101	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0246	J	0.00347	U	0.0160	U	0.000148	U	0.000147	J	0.00121
CP MH SS 1015		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0270	J	0.00064	U	0.0160	U	0.000148	U	0.000147	J	0.00131
LM No. 2		U	9.3	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 13, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0199	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0255	J	0.00218	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0256	J	0.00347	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	16.0	J	0.0172	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0281	J	0.00061	U	0.0160	U	0.000148	U	0.000147	J	0.01600
LM No. 2			39.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	J	0.0190	U	0.003300	U	0.000053	U	0.00730
April 14, 2021	0.00																										
002			13.0	J	0.0950	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0230	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0263	J	0.00291	U	0.0160	U	0.000148	U	0.000147	J	0.00164
BF C MH SS 2816		U	6.1	J	0.0252	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0269	J	0.00382	U	0.0160	U	0.000148	U	0.000147	J	0.00176
CP MH SS 1015		J	14.0	J	0.0196	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0296	J	0.00091	J	0.0411	U	0.000148	U	0.000147	U	0.00101
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
April 15, 2021	0.00																										
002			13.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0040		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0266	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0253	J	0.00218	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	J	0.0166	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0253	J	0.00331	U	0.0160	U	0.000148	U	0.000147	U	0.00730
CP MH SS 1015		J	9.7	J	0.0206	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0246	J	0.00075	U	0.0160	J	0.000166	U	0.000147	U	0.00138
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 16, 2021	0.00																										
002			13.0	B	0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0290	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0303	J	0.00227	U	0.0160	U	0.000148	U	0.000147	J	0.00164
BF C MH SS 2816		J	7.5	U	0.0160	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0260	J	0.00337	U	0.0160	U	0.000148	U	0.000147	J	0.00140
CP MH SS 1015		U	6.1	J	0.0224	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0281	J	0.00079	J	0.0267	U	0.000148	U	0.000147	J	0.00174
LM No. 2			30.0	BM	0.1600	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 17, 2021	0.00																										
002			13.0	J	0.0730	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.5	J	0.0247	U	0.0012			U	0.00170	J	0.0030	J	0.070		0.0295	J	0.00251	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	14.0		0.0442	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0269	J	0.00354	U	0.0160	U	0.000148	U	0.000147	J	0.00306
CP MH SS 1015		J	14.0		0.0354	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0303	J	0.00116	U	0.0160	J	0.000273	U	0.000147	J	0.00214
LM No. 2		U	9.3	J	0.0570	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 18, 2021	0.00																										
002			13.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0		0.0608	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0278	J	0.00323	U	0.0160	J	0.000346	U	0.000147	J	0.00353
BF C MH SS 2816		J	9.7		0.0372	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0298	J	0.00340	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	9.7	J	0.0258	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0279	J	0.00273	U	0.0160	J	0.001820	U	0.000147		0.01070
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 19, 2021	0.23																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0246	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0259	J	0.00259	U	0.0160	U	0.000148	U	0.000147	J	0.00142
BF C MH SS 2816		J	7.5	J	0.0313	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0266	J	0.00395	U	0.0160	U	0.000148	U	0.000147	J	0.00197
CP MH SS 1015		U	6.1		0.0345	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0264	J	0.00080	U	0.0160	J	0.000203	U	0.000147	J	0.00255
LM No. 2			11.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260		0.01900	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 20, 2021	0.03																										
002			14.0	J	0.0650	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00170	J	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1		0.0453	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0302	J	0.00227	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	J	0.0309	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0281	J	0.00359	U	0.0160	U	0.001480	U	0.000147	J	0.00107
CP MH SS 1015		J	7.5	J	0.0209	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0280	J	0.00095	U	0.0160	U	0.000148	U	0.000147	J	0.00123
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170				0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 21, 2021	0.04																										
002			13.0	BM	0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0300		0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7		0.0408	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0319		0.00241	J	0.0364	J	0.000159	U	0.000147	J	0.00212
BF C MH SS 2816		J	7.5		0.0435	U	0.0012			U	0.00170	U	0.0025	J	0.090		0.0322	J	0.00367	U	0.0160	U	0.000148	U	0.000147	J	0.00116
CP MH SS 1015		J	12.0		0.0535	U	0.0012			U	0.00170	J	0.0043	J	0.090		0.0340	J	0.00098	J	0.0327	J	0.000322	U	0.001470	J	0.00361
LM No. 2		U	9.3	B	0.1900	U	0.0040	U	0.00170			U	0.0060		0.140		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
April 22, 2021	0.00																										
002			10.0	B	0.1800	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7		0.0479	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0297	J	0.00350	U	0.0160	J	0.000353	U	0.000147	J	0.00341
BF C MH SS 2816		J	7.5	J	0.0211	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0286	J	0.00324	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	9.7		0.0323	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0364	J	0.00074	J	0.0644	U	0.000148	U	0.000147	J	0.00197
LM No. 2			11.0	BM	0.1100	U	0.0040	U	0.00170			U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 23, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0211	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0274	J	0.00215	U	0.0160	U	0.000148	U	0.000147	J	0.00116
BF C MH SS 2816		J	9.7	J	0.0176	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0287	J	0.00336	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	7.5		0.0559	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0295	J	0.00082	U	0.0160	J	0.000206	U	0.000147	J	0.00021
LM No. 2			17.0	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
April 24, 2021	0.15																										
002		U	9.3	J	0.0980		0.0056	U	0.00170	U	0.00170	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun 1)						U	0.0040																				
002 (rerun 2)						U	0.0040																				
BF D MH SS 2316		J	12.0		0.0377	U	0.0012			U	0.00170	J	0.0028	U	0.058		0.0276	J	0.00204	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		J	9.7	J	0.0313	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0297	J	0.00327	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	9.7		0.0635	U	0.0012			U	0.00170	J	0.0026	U	0.058		0.0337	J	0.00108	U	0.0160	J	0.000363	U	0.000147	J	0.00409
LM No. 2		U	9.3	J	0.0680	U	0.0040	U	0.00170			J	0.0082		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 25, 2021	0.00																										
002		U	9.3		0.1100	J	0.0046	J	0.00170	J	0.00170	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0		0.0401	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0296	J	0.00218	U	0.0160	U	0.000148	U	0.000147	J	0.00121
BF C MH SS 2816		J	14.0	J	0.0212	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0283	J	0.00369	U	0.0160	U	0.000148	U	0.000147	J	0.00153
CP MH SS 1015		J	14.0	J	0.0306	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00095	U	0.0160	U	0.000148	U	0.000147	J	0.00170
LM No. 2		U	9.3	J	0.0770	U	0.0040	U	0.00170				0.0140		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 26, 2021	0.00																										
002		U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	J	0.0060		0.140		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0111	U	0.0012			J	0.00170	U	0.0025	J	0.070		0.0282	J	0.00210	U	0.0160	U	0.000148	U	0.000147	J	0.00135
BF C MH SS 2816		U	6.1		0.0400	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0278	J	0.00347	U	0.0160	U	0.000148	U	0.000147	J	0.00135
CP MH SS 1015		J	14.0		0.0405	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0280	J	0.00091	U	0.0160	J	0.000207	U	0.000147	J	0.00235
LM No. 2		U	9.3	J	0.0620	U	0.0040	U	0.00170				0.0111		0.140		0.0250	U	0.00130	J	0.0280	U	0.003300	U	0.000053	U	0.00730
April 27, 2021	0.00																										
002		U	9.3	J	0.0630	U	0.0040	U	0.00170	U	0.00170	J	0.0061		0.130		0.0260	J	0.00130	J	0.0260	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	J	0.0183	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0282	J	0.00201	U	0.0160	U	0.000148	U	0.000147	J	0.00112
BF C MH SS 2816		J	12.0	J	0.0308	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0258	J	0.00332	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	7.5	J	0.0270	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0269	J	0.00082	J	0.0213	U	0.000148	U	0.000147	J	0.00120
LM No. 2		U	9.3	MJ	0.0780	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 28, 2021	0.39																										
002		U	9.3	BJ	0.0960	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0290	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			20.0	J	0.0307	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0266	J	0.00192	U	0.0160	U	0.001480	U	0.000147	U	0.00101
BF C MH SS 2816		J	18.0		0.0453	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00319	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	16.0	J	0.0153	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0272	J	0.00349	U	0.0160	J	0.002150	U	0.000147		0.01760
LM No. 2			14.0	BM	0.1300	U	0.0040	U	0.00170			U	0.0060		0.130		0.0330	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
April 29, 2021	0.05																										
002		U	9.3	J	0.0970	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0310	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0		0.0421	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0293	J	0.00198	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1		0.0508	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00309	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	12.0	J	0.0259	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0310	J	0.00246	U	0.0160	J	0.001500	U	0.000147		0.01240
LM No. 2		U	9.3	M	0.2100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
April 30, 2021	0.00																										
002		U	9.3	J	0.0870	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00190	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7		0.0521	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0290	J	0.00194	U	0.0160	U	0.000148	U	0.000147	J	0.00230
BF C MH SS 2816		U	6.1	J	0.0245	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0270	J	0.00319	U	0.0160	U	0.000148	U	0.000147	J	0.00226
CP MH SS 1015		J	7.5	J	0.0291	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0266	J	0.00102	U	0.0160	J	0.000378	U	0.000147	J	0.00482
LM No. 2		U	9.3	MJ	0.0910	MJ	0.0044	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0130	U	0.003300	U	0.000053	U	0.00730
May 1, 2021	0.00																										
002			13.0	BMJ	0.0880	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.130		0.0240	J	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	J	0.0186	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00192	U	0.0160	U	0.000148	U	0.000147	J	0.00106
BF C MH SS 2816		J	9.7		0.0349	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0280	J	0.00317	U	0.0160	U	0.000148	U	0.000147	J	0.00117
CP MH SS 1015		J	12.0		0.0522	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0296	J	0.00151	U	0.0160	J	0.000982	U	0.000147	J	0.00814
LM No. 2		U	9.3	BMU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130			U	0.003300	U	0.000053	U	0.00730
May 2, 2021	0.01																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0230	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0		0.0334	U	0.0012			U	0.00170	J	0.0032	J	0.060		0.0260	J	0.00175	U	0.0160	U	0.000148	U	0.000147	J	0.00104
BF C MH SS 2816		J	14.0	J	0.0271	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0257	J	0.00350	U	0.0160	U	0.000148	U	0.000147	J	0.00110
CP MH SS 1015		J	12.0		0.0322	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0262	J	0.00074	U	0.0160	J	0.000236	U	0.000147	J	0.00239
LM No. 2		U	9.3	BJ	0.0900	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
May 3, 2021	0.19																										
002		U	9.3		0.1200	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.140		0.0280	J	0.00140	J	0.0130	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7		0.0390	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0244	J	0.00186	U	0.0160	U	0.000148	U	0.000147	J	0.00107
BF C MH SS 2816		J	12.0	J	0.0308	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0261		0.00858	U	0.0160	J	0.000698	U	0.000147	J	0.00399
CP MH SS 1015		J	12.0	J	0.0182	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0261	J	0.00067	U	0.0160	U	0.000148	U	0.000147	J	0.00141
LM No. 2		U	9.3	U	0.0544	U	0.0040	U	0.00170			U	0.0060		0.130		0.0240	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
May 4, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0		0.0362	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0255	J	0.00254	U	0.0160	U	0.000148	U	0.000147	J	0.00105
BF C MH SS 2816		U	6.1	J	0.0231	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0259	J	0.00417	U	0.0160	U	0.000148	U	0.000147	J	0.00217
CP MH SS 1015		U	6.1	J	0.0318	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0257	J	0.00098	U	0.0160	J	0.000292	U	0.000147	J	0.00304
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 5, 2021	0.00																										
002		U	9.3		0.1600	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	J	0.0270	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0167	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0278	J	0.00305	U	0.0160	J	0.000422	U	0.000147	J	0.00236
BF C MH SS 2816		J	9.7		0.0324	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0254	J	0.00395	U	0.0160	U	0.000148	U	0.000147	J	0.00112
CP MH SS 1015		J	9.7		0.0346	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0289	J	0.00077	U	0.0160	J	0.000186	U	0.000147	J	0.00205
LM No. 2		U	9.3		0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	J	0.0260	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
May 6, 2021	0.01																										
002		U	9.3	J	0.0990	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0249	J	0.00272	U	0.0160	J	0.000166	U	0.000147	J	0.00220
BF C MH SS 2816		U	6.1	J	0.0233	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00360	U	0.0160	U	0.000148	U	0.000147	J	0.00140
CP MH SS 1015		J	12.0		0.0365	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0255	J	0.00077	J	0.0231	J	0.000186	U	0.000147	J	0.00254
LM No. 2		U	9.3	M	0.1200	U	0.0040	U	0.00170			U	0.0060		0.120		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 7, 2021	0.00																										
002		U	9.3		0.1700	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0245	J	0.00218	U	0.0160	U	0.000148	U	0.000147	J	0.00108
BF C MH SS 2816		J	9.7		0.0385	U	0.0012			U	0.00170	J	0.0032	J	0.060		0.0268	J	0.00407	U	0.0160	U	0.000148	U	0.000147	J	0.00101
CP MH SS 1015		J	12.0	J	0.0185	U	0.0012			U	0.00170		0.0066	J	0.060		0.0279	J	0.00067	U	0.0160	J	0.000221	U	0.000147	J	0.00328
LM No. 2		U	9.3	M	0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 8, 2021	0.31																										
002			10.0	J	0.0960	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0		0.0344	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0261	J	0.00231	U	0.0160	U	0.000148	U	0.000147	U	0.00101
BF C MH SS 2816		U	6.1	J	0.0288	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0258	J	0.00323	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	9.7		0.0373	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0276	J	0.00083	U	0.0160	J	0.000398	U	0.000147	J	0.00396
LM No. 2		U	9.3	J	0.0680	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0012	U	0.003300	U	0.000053	U	0.00730
May 9, 2021	1.70																										
002		U	9.3		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			20.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0250	J	0.00212	U	0.0160	J	0.000149	U	0.000147	J	0.00181
BF C MH SS 2816		J	18.0	J	0.0149	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0245	J	0.00368	U	0.0160	U	0.000148	U	0.000147	J	0.00138
CP MH SS 1015		J	14.0	J	0.0306	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0254	J	0.00099	U	0.0160	J	0.000477	U	0.000147	J	0.00620
LM No. 2		U	9.3	J	0.0990	BU	0.0040		0.00270			J	0.0074		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
LM No. 2 (rerun)								U	0.00170																		
May 10, 2021	0.00																										
002		U	9.3	J	0.0630	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	J	0.0234	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0260	J	0.00237	U	0.0160	J	0.000253	U	0.000147	J	0.00189
BF C MH SS 2816		J	14.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0266	J	0.00314	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	18.0	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0614	J	0.00195	U	0.0160	J	0.001760	U	0.000147		0.02150
LM No. 2		U	9.3	J	0.0640	U	0.0040	U	0.00170			J	0.0066		0.120		0.0260	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
May 11, 2021	0.00																										
002			18.0	J	0.0740	U	0.0040	U	0.00170	U	0.00170	J	0.0064		0.120		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	J	0.0220	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00247	U	0.0160	J	0.000186	U	0.000147	J	0.00216
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0260	J	0.00284	U	0.0160	U	0.000148	U	0.000147	J	0.00124
CP MH SS 1015		J	12.0	J	0.0311	U	0.0012			U	0.00170	U	0.0025	J	0.058		0.0283	J	0.00057	U	0.0160	U	0.000148	U	0.000147	U	0.00101
LM No. 2		J	9.5	MU	0.0540	U	0.0040	U	0.00170			J	0.0065		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 12, 2021	0.00																										
002			18.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	BJ	0.0160	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0251	J	0.00230	U	0.0160	J	0.000226	U	0.000147	J	0.00158
BF C MH SS 2816		J	12.0	J	0.0159	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0252	J	0.00283	U	0.0160	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	9.7	J	0.0297	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00063	U	0.0160	U	0.000148	U	0.000147	J	0.00135
LM No. 2		U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	BJ	0.0230	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
May 13, 2021	0.00																										
002		U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0127	J	0.0015			U	0.00170	U	0.0025	J	0.070		0.0274	J	0.00211	U	0.0404	U	0.000148	U	0.000147	J	0.00105
BF C MH SS 2816		U	6.1	J	0.0156	J	0.0013			U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00299	U	0.0404	U	0.000148	U	0.000147	U	0.00101
CP MH SS 1015		J	12.0		0.0339	J	0.0013			J	0.00170	U	0.0025	J	0.060		0.0283	J	0.00070	U	0.0404	J	0.000174	U	0.000147	J	0.00204
LM No. 2		M	14.0	MJ	0.0630	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0250	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
May 14, 2021	0.00																										
002		U	9.3	BJ	0.0590	BU	0.0040	U	0.00170	U	0.00170		0.0100		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	7.5	U	0.0098	J	0.0020			U	0.00170	U	0.0025	J	0.070		0.0257		0.00206	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF D MH SS 2316 (rerun)																			0.00195			U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816		J	7.5	J	0.0285	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0252		0.00268	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816 (rerun)																			0.00258			U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	18.0	J	0.0194	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0269	J	0.00090	U	0.0404	U	0.000148	U	0.000050	J	0.00179
CP MH SS 1015 (rerun)																		J	0.00086			U	0.000148	U	0.000050	J	0.00147
LM No. 2		U	9.3	BU	0.0540	BU	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 15, 2021	0.00																										
002		U	9.3	J	0.0910	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7		0.0342	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0249		0.00198	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816		U	6.1	U	0.0098	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0249		0.00267	U	0.0404	U	0.000148	U	0.000050	J	0.00109
CP MH SS 1015		J	9.7	J	0.0126	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0278	J	0.00067	U	0.0404	U	0.000148	U	0.000050	J	0.00172
LM No. 2			13.0		0.1100	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 16, 2021	0.00																										
002			17.0	J	0.0670	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		U	6.1	J	0.0288	U	0.0012			U	0.00170	U	0.0025	J	0.060		0.0247		0.00209	U	0.0404	U	0.000148	U	0.000050	J	0.00109
BF C MH SS 2816		J	9.7	J	0.0222	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0241		0.00291	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		U	6.1	J	0.0296	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0249	J	0.00058	U	0.0404	U	0.000148	U	0.000050	J	0.00389
LM No. 2			16.0		0.1000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 17, 2021	0.00																										
002			20.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	9.7		0.0360	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0237		0.00198	U	0.0404	U	0.000148	U	0.000050	J	0.00131
BF C MH SS 2816		U	6.1		0.0336	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0235		0.00278	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	9.7		0.0517	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0245	J	0.00062	U	0.0404	U	0.000148	U	0.000050	J	0.00216
LM No. 2			17.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060	U	0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 18, 2021	0.01																										
002			18.0		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			23.0	J	0.0127	U	0.0012			U	0.00170	J	0.0028	U	0.058		0.0248		0.00181	U	0.0404	U	0.000148	U	0.000050	J	0.00339
BF C MH SS 2816		J	16.0	J	0.0136	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0277	J	0.00043	U	0.0404	U	0.000148	U	0.000050	J	0.00125
CP MH SS 1015			23.0	J	0.0127	U	0.0012			U	0.00170	J	0.0028	U	0.058		0.0248		0.00181	U	0.0404	U	0.000148	U	0.000050	J	0.00339
LM No. 2			20.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 19, 2021	0.14																										
002		U	9.3	BU	0.0540	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.00770
BF D MH SS 2316			20.0	J	0.0181	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0274		0.00258	U	0.0404	U	0.000148	U	0.000050	J	0.00183
BF C MH SS 2816		J	12.0	J	0.0230	U	0.0012			U	0.00170	U	0.0025	U	0.058		0.0255		0.00396	U	0.0404	U	0.000148	U	0.000050	J	0.00188
CP MH SS 1015		J	16.0	J	0.0307	U	0.0017			U	0.00170	U	0.0025	U	0.058		0.0298	J	0.00081	U	0.0404	U	0.000148	U	0.000050	J	0.00209
LM No. 2		U	9.3	BMJ	0.0780	U	0.0040	U	0.00170			MU	0.0060		0.110		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																							
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
May 20, 2021	0.00																								
002			11.0		0.1600	U	0.0040	U	0.00170	U	0.00170	J	0.0072		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
002 (rerun 1)												U	0.0060													
002 (rerun 2)												U	0.0060													
002 (rerun 3)												U	0.0060													
BF D MH SS 2316		J	16.0	J	0.0267	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0267		0.00217	U	0.0404	U	0.000148	U	0.000050	J	0.00411
BF C MH SS 2816		J	16.0	J	0.0203	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0275		0.00313	U	0.0404	U	0.000148	U	0.000050	J	0.00912
CP MH SS 1015			23.0	J	0.0309	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0306	J	0.00083	U	0.0404	U	0.000148	U	0.000050	J	0.00219
LM No. 2		U	9.3	M	0.1300	U	0.0040	U	0.00170			MU	0.0060		0.110		0.0260	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
May 21, 2021	0.00																								
002			12.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0230	J	0.00140	J	0.0180	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	16.0	J	0.0144	J	0.0013			U	0.00170	U	0.0025	J	0.070		0.0272		0.00206	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816		J	16.0	J	0.0300	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0265		0.00287	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		U	16.0	J	0.0230	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0298	J	0.00060	U	0.0404	U	0.000148	U	0.000050	U	0.00101
LM No. 2			12.0	J	0.0920	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 22, 2021	0.00																								
002			14.0	B	0.2100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0240		0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	16.0	U	0.0098	J	0.0018			U	0.00170	U	0.0025	J	0.070		0.0281		0.00209	U	0.0404	U	0.000148	U	0.000050	J	0.00138
BF C MH SS 2816			20.0	J	0.0224	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0285		0.00555	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	18.0	U	0.0098	J	0.0018			U	0.00170	U	0.0025	J	0.070		0.0308		0.00103	U	0.0404	U	0.000148	U	0.000050	J	0.00128
LM No. 2		U	9.3	M	0.1700	U	0.0040	U	0.00170			U	0.0060		0.110		0.0220	U	0.00130	J	0.0120	U	0.003300	U	0.000053	U	0.00730
May 23, 2021	0.00																								
002		J	9.9	B	0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0280	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	12.0	J	0.0283	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0260		0.00222	U	0.0404	U	0.000148	U	0.000050	J	0.00126
BF C MH SS 2816		J	18.0	J	0.0156	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0248		0.00301	U	0.0404	U	0.000148	U	0.000050	J	0.00306
CP MH SS 1015			23.0	J	0.0134	J	0.0039			J	0.00190	U	0.0025	J	0.070		0.0260	J	0.00066	U	0.0404	J	0.000182	U	0.000050	J	0.00303
LM No. 2		U	9.3	BJ	0.0980	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 24, 2021	0.00																								
002		U	9.3		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0303	J	0.0013			U	0.00170	U	0.0025	J	0.080		0.0248		0.00201	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816		J	16.0	J	0.0147	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0249		0.00282	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	16.0	J	0.0263	J	0.0014			U	0.00170	U	0.0025	J	0.070		0.0252	J	0.00041	U	0.0404	U	0.000148	U	0.000050	U	0.00101
LM No. 2		U	9.3	MJ	0.0670	U	0.0040	U	0.00170				0.0140		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 25, 2021	0.00																								
002		U	9.3		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0104	J	0.0015			U	0.00170	U	0.0025	J	0.070		0.0243		0.00192	U	0.0404	U	0.000148	U	0.000050	J	0.00147
BF C MH SS 2816		J	12.0		0.0399	J	0.0012			U	0.00170	U	0.0025	J	0.070		0.0225		0.00261	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	16.0	J	0.0226	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0243		0.00113	U	0.0404	J	0.000597	U	0.000050	J	0.00534
LM No. 2		U	9.3	J	0.0690	U	0.0040	U	0.00170			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 26, 2021	0.27																								
002			14.0	B	0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0		0.0398	J	0.0020			U	0.00170	U	0.0025	J	0.080		0.0225		0.00209	U	0.0404	U	0.000148	U	0.000050	J	0.00350
BF C MH SS 2816		J	14.0	J	0.0254	J	0.0018			U	0.00170	U	0.0025	J	0.070		0.0215		0.00295	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015			42.0		0.0773	J	0.0014			U	0.00170	U	0.0025	J	0.080		0.0256		0.00262	U	0.0404		0.001880	U	0.000050		0.02100
LM No. 2		U	9.3	BMJ	0.0730	U	0.0040	U	0.00170			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
May 27, 2021	0.03																										
002			14.0	M	0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0118	J	0.0020				0.00250	U	0.0025	J	0.080		0.0288		0.00212	U	0.0404	U	0.000148	U	0.000050	J	0.00103
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	18.0		0.0325	J	0.0013			U	0.00170	U	0.0025	J	0.080		0.0256		0.00291	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015			33.0		0.0611	J	0.0015			U	0.00170	U	0.0025	J	0.090		0.0309	J	0.00077	U	0.0404	J	0.000398	U	0.000050	J	0.00434
LM No. 2		U	9.3		0.1800	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0260	U	0.00130		0.0650	J	0.004300	U	0.000053	U	0.00730
May 28, 2021	1.03																										
002		U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	U	0.00130	U	0.0240	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316			23.0	J	0.0241	U	0.0012				0.00260	U	0.0025	J	0.080		0.0303		0.00305	U	0.0404	J	0.000219	U	0.000050	J	0.00266
BF D MH SS 2316 (rerun)										U	0.00170																
BF C MH SS 2816		J	14.0		0.0325	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0289		0.00279	U	0.0404	U	0.000148	U	0.000050	J	0.00103
CP MH SS 1015			36.0		0.0425	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0327		0.00182	U	0.0404		0.001020	U	0.000050	J	0.00821
LM No. 2		U	9.3	U	0.0540	U	0.0040	J	0.00180			J	0.0086		0.110		0.0270	U	0.00130	U	0.1200	U	0.003300	U	0.000053	U	0.00730
May 29, 2021	0.00																										
002		U	9.3		0.1800	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0240	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0204	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0253		0.00227	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816			20.0		0.0345	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0257		0.00262	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	16.0	J	0.0276	U	0.0012			U	0.00170	U	0.0025	J	0.080		0.0282	J	0.00054	U	0.0404	J	0.000210	U	0.000050	U	0.00101
LM No. 2		U	9.3		0.1400	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0240	U	0.003300	U	0.000053	U	0.00730
May 30, 2021	0.00																										
002		J	9.9	BJ	0.0660	MU	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	14.0	J	0.0175	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0255		0.00133	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816		J	16.0	J	0.0234	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0253		0.00256	U	0.0404	U	0.000148	U	0.000050	U	0.00101
CP MH SS 1015		J	14.0		0.0382	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0256	U	0.00024	U	0.0404	U	0.000148	U	0.000050	U	0.00101
LM No. 2			24.0		0.1000	U	0.0040	U	0.00170			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
May 31, 2021	0.00																										
002			13.0	B	0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
BF D MH SS 2316		J	18.0	J	0.0271	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0250		0.00139	U	0.0404	U	0.000148	U	0.000050	U	0.00101
BF C MH SS 2816		J	12.0	J	0.0240	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0245		0.00364	U	0.0404	U	0.000148	U	0.000504	U	0.00101
CP MH SS 1015		J	16.0		0.0330	U	0.0012			U	0.00170	U	0.0025	J	0.070		0.0246	J	0.00059	U	0.0404	J	0.000199	U	0.000050	J	0.00193
LM No. 2		U	9.3	BJ	0.0830	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
June 1, 2021	0.00																										
002					0.1500	U	0.0040					J	0.0064					U	0.00130							U	0.00730
CP MH SS 1015			20.0	J	0.0203	U	0.0017			U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00062	U	0.0404	J	0.000433	U	0.000050	J	0.00476
LM No. 2				BJ	0.0660	U	0.0040					J	0.0068					U	0.00130							U	0.00730
June 2, 2021	0.00																										
002					0.2300	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015			23.0	J	0.0218	U	0.0012			J	0.00200		0.0110	J	0.070		0.0268		0.00101	U	0.0404	U	0.000148	U	0.000050	J	0.00158
CP MH SS 1015 (rerun)										U	0.00170																
LM No. 2				M	0.2400	J	0.0040					U	0.0060					U	0.00130							U	0.00730
June 3, 2021	0.00																										
002					no data		no data						no data						no data								no data
CP MH SS 1015			31.0	J	0.0146	U	0.0012			U	0.00170	J	0.0041	J	0.070		0.0209	J	0.00068	U	0.0404	U	0.000148	U	0.000050	U	0.00101
LM No. 2					no data		no data						no data						no data								no data

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Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
June 4, 2021	0.00																										
002					0.1200	U	0.0040					J	0.0066					J	0.00130							U	0.00730
CP MH SS 1015				J	0.0188	U	0.0012					J	0.0033						0.00139							J	0.00901
Caster MH 1317															0.500												
LM No. 2					0.1200	U	0.0040					J	0.0081					U	0.00130							U	0.00730
June 7, 2021	0.10																										
002					0.1200	U	0.0040					BU	0.0060						no data			U	0.003300			U	0.00730
LM No. 2					0.2700	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
June 9, 2021	0.00																										
002				J	0.0580	U	0.0040					QU	0.0060					U	0.00130							U	0.00730
CP MH SS 1015					0.0983	U	0.0012					U	0.0025						0.00107							J	0.00675
Caster MH 1317															0.590												
LM No. 2					0.1700	MU	0.0040					QU	0.0060					U	0.00130							U	0.00730
June 10, 2021	0.00																										
CP MH SS 1015				J	0.0224	U	0.0012					U	0.0025					J	0.00079							J	0.00164
Caster MH 1317															0.620												
June 11, 2021	0.00																										
002					0.2000	U	0.0040					U	0.0060					J	0.00150							U	0.00730
CP MH SS 1015					0.0515	U	0.0012					U	0.0025						0.00154							J	0.00489
Caster MH 1317															0.570												
LM No. 2				J	0.0880	U	0.0040					U	0.0060					U	0.00130							U	0.00730
June 14, 2021	0.00																										
002					0.1700	U	0.0040					U	0.0060					U	0.00130			U	0.003300			U	0.00730
LM No. 2				J	0.0710	U	0.0040					U	0.0060					U	0.00130							U	0.00730
June 16, 2021	0.00																										
002					0.1200	U	0.0040					BJ	0.0087					J	0.00140							U	0.00730
CP MH SS 1015					0.0349	U	0.0012					U	0.0025						0.00309							U	0.00101
Caster MH 1317															0.330												
LM No. 2					no data		no data						no data						no data								no data
June 17, 2021	0.00																										
CP MH SS 1015				J	0.0234	U	0.0012					J	0.0030					J	0.00094							U	0.00101
Caster MH 1317															0.660												
LM No. 2				J	0.0800	U	0.0040					U	0.0060					MRJ	0.00170							U	0.00730
June 18, 2021	0.52																										
002					0.2600	U	0.0040					U	0.0060					J	0.00200							U	0.00730
CP MH SS 1015				J	0.0121	U	0.0012					U	0.0025						0.02950							J	0.00466
Caster MH 1317															0.550												
LM No. 2				J	0.0720	U	0.0040					BMU	0.0060					J	0.00130							U	0.00730
June 21, 2021	0.53																										
002				J	0.0770	U	0.0040					J	0.0096					J	0.00140			U	0.003300			U	0.00730
LM No. 2				J	0.0710	U	0.0040					BU	0.0060					U	0.00130							U	0.00730

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Amendola Engineering, Inc.

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Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
June 23, 2021	0.00																										
002				J	0.0880	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				J	0.0240	U	0.0012						0.0110						0.00227							J	0.00138
Caster MH 1317															0.580												
LM No. 2					0.1500	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
June 24, 2021	0.26																										
CP MH SS 1015				J	0.0116	U	0.0012					J	0.0036					J	0.00060							J	0.00421
Caster MH 1317															0.540												
June 25, 2021	1.01																										
002					0.2300	U	0.0040					J	0.0062					J	0.00150							U	0.00730
CP MH SS 1015					0.0646	U	0.0012					U	0.0025					J	0.00095							J	0.00417
Caster MH 1317															0.580												
LM No. 2					0.1400	U	0.0040					U	0.0060					U	0.00130							U	0.00730
June 28, 2021	0.02																										
002				BU	0.0540	U	0.0040					J	0.0085					U	0.00130							U	0.00730
CP MH SS 1015					no data		no data						no data						no data								no data
Caster MH 1317															no data												
LM No. 2				BJ	0.0650	U	0.0040					U	0.0060					U	0.00130							U	0.00730
June 30, 2021	0.02																										
002				B	0.2500	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
CP MH SS 1015			24.0	U	0.0098	J	0.0013					U	0.0025						0.00140							J	0.00360
Caster MH 1317															0.410												
LM No. 2				BU	0.0540	MU	0.0040					BU	0.0060					U	0.00130							U	0.00730
July 1, 2021	0.01																										
CP MH SS 1015					0.0485	J	0.0022					U	0.0025					J	0.00081							J	0.00214
Caster MH 1317															0.600												
July 2, 2021	0.01																										
002					0.1100	BU	0.0040					BU	0.0060					J	0.00220							U	0.00730
CP MH SS 1015		J	8.4	J	0.0187	U	0.0012					U	0.0025						0.00131							J	0.00511
Caster MH 1317															0.620												
LM No. 2					0.1700	BMU	0.0040					BU	0.0060					J	0.00200							J	0.00930
July 5, 2021	0.01																										
002					no data	U	0.0040					J	0.0081						no data								no data
CP MH SS 1015					no data		no data						no data						no data								no data
Caster MH 1317															no data												
LM No. 2				U	0.0540	MU	0.0040					J	0.0084					J	0.00150							U	0.00730
July 6, 2021	0.00																										
002					0.1200	U	0.0040					J	0.0081					J	0.00170							U	0.00730
CP MH SS 1015		J	11.0		0.0541	J	0.0026					U	0.0025					J	0.00099							J	0.00231
Caster MH 1317															0.130												
LM No. 2				U	0.0540	MU	0.0040					J	0.0084					J	0.00150							U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC

Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.

October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
July 7, 2021	0.01																										
002					0.3000	U	0.0040					J	0.0075					J	0.00200							U	0.00730
CP MH SS 1015		U	6.1		0.0435	U	0.0012					U	0.0025						0.00163							J	0.00868
Caster MH 1317															0.220												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
July 9, 2021	0.00																										
002					0.1100	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015		U	6.1	J	0.0280	J	0.0012					U	0.0025						0.00168							U	0.00101
Caster MH 1317															0.420												
LM No. 2				U	0.0540	U	0.0040					J	0.0068					U	0.00130							U	0.00730
July 12, 2021	0.00																										
002				J	0.0910	U	0.0040					U	0.0060					J	0.00180			U	0.003300			U	0.00730
CP MH SS 1015		J	19.0		0.0339	J	0.0017					U	0.0025						0.01460								0.02340
Caster MH 1317															0.400												
LM No. 2				J	0.0780	U	0.0040					U	0.0060					J	0.00150							U	0.00730
July 14, 2021	0.00																										
002					0.2000	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0025					U	0.0025					J	0.00055							U	0.00101
Caster MH 1317															0.640												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
July 16, 2021	0.00																										
002				BJ	0.1000	U	0.0040						0.0120					J	0.00150							U	0.00730
CP MH SS 1015					0.0396	U	0.0012					U	0.0025					J	0.00072							J	0.00222
Caster MH 1317															0.300												
LM No. 2				B	0.1800	M	0.0140						0.0150					J	0.00130							J	0.00730
July 19, 2021	0.00																										
002				J	0.0880	U	0.0040					BU	0.0060					J	0.00130			U	0.003300			U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025						0.00216							J	0.00822
Caster MH 1317															0.830												
LM No. 2				J	0.0930	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
July 21, 2021	0.00																										
002					0.1400	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025						0.00106							J	0.00285
Caster MH 1317															0.400												
LM No. 2				U	0.0540	MU	0.0040					BU	0.0060					U	0.00130							U	0.00730
July 23, 2021	0.00																										
002					0.1600	QU	0.0040					J	0.0093					J	0.00190							U	0.00730
CP MH SS 1015				J	0.0129	U	0.0012					U	0.0025						0.00116							J	0.00263
Caster MH 1317															0.250												
LM No. 2				M	0.1100	QU	0.0040					U	0.0060					J	0.00150							U	0.00730
July 26, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025					J	0.00073							J	0.00141
Caster MH 1317															0.360												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730

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Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
July 28, 2021	0.00																										
002				BJ	0.0860	U	0.0040					U	0.0060					J	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					J	0.0097						0.00102							J	0.00273
Caster MH 1317															0.350												
LM No. 2				BU	0.0540	U	0.0040						0.0120					U	0.00130							U	0.00730
July 30, 2021	0.00																										
002				BU	0.0540	U	0.0040					U	0.0060					J	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025					J	0.00084							J	0.00135
Caster MH 1317															0.300												
LM No. 2				J	0.0770	U	0.0040					U	0.0060					U	0.00130							U	0.00730
August 2, 2021	0.00																										
002				U	0.0540	U	0.0040					J	0.0090					U	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	J	0.0018					U	0.0025						0.00183							J	0.00106
Caster MH 1317															0.290												
LM No. 2				J	0.0610	U	0.0040					J	0.0062					U	0.00130							U	0.00730
August 4, 2021	0.00																										
002					0.1000	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				U	0.0098	J	0.0015					U	0.0025					J	0.00092							J	0.00336
Caster MH 1317															0.290												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
August 6, 2021	0.56																										
002					0.1600	U	0.0040					J	0.0085					J	0.00190							U	0.00730
CP MH SS 1015				U	0.0098	J	0.0020					U	0.0025						0.00135							J	0.00597
Caster MH 1317															0.290												
LM No. 2				J	0.0660	U	0.0040						0.0110					J	0.00190							U	0.00730
August 9, 2021	0.13																										
002				J	0.0750	U	0.0040					U	0.0060					U	0.00130							U	0.00730
002 (rerun)						UH	0.0040																				
002 (rerun)						UH	0.0040																				
CP MH SS 1015				U	0.0098		0.0130					U	0.0025						0.00372							J	0.00865
CP MH SS 1015 (rerun)						JH	0.0012																				
Caster MH 1317															0.190												
LM No. 2					0.1500	U	0.0040					U	0.0060					U	0.00130							U	0.00730
LM No. 2 (rerun)						UH	0.0040																				
LM No. 2 (rerun)						UH	0.0040																				
August 11, 2021	0.03																										
002					0.1200	U	0.0040					U	0.0060					J	0.00150							U	0.00730
CP MH SS 1015				J	0.0119	J	0.0041					U	0.0025					J	0.00064							J	0.00128
Caster MH 1317															0.580												
LM No. 2					0.1300	U	0.0040					J	0.0072					U	0.00130							U	0.00730
August 13, 2021	0.00																										
002					0.1000	U	0.0040					J	0.0089					QU	0.00130							U	0.00730
CP MH SS 1015				J	0.0269	J	0.0045					U	0.0025					J	0.00083							U	0.00100
Caster MH 1317															0.570												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					J	0.00130							U	0.00730

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Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
August 16, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
CP MH SS 1015				J	0.0237	U	0.0012					U	0.0025					J	0.00063							J	0.00129
Caster MH 1317															0.510												
LM No. 2				B	0.3000	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
August 18, 2021	0.40																										
002				J	0.0610	U	0.0040					J	0.0060					J	0.00160							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025					J	0.00064							J	0.00108
Caster MH 1317															0.580												
LM No. 2					0.1700	U	0.0040					J	0.0064					U	0.00130							U	0.00730
August 20, 2021	0.00																										
002				J	0.0670	U	0.0040						0.0120					J	0.00180							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025						0.00109							J	0.00129
Caster MH 1317															0.270												
LM No. 2					0.1400	MU	0.0040					U	0.0060					J	0.00130							U	0.00730
August 23, 2021	0.00																										
002				U	0.0540	U	0.0040					J	0.0066					U	0.00130							U	0.00730
CP MH SS 1015				J	0.0287	U	0.0012					U	0.0025						0.00175							J	0.00597
Caster MH 1317															0.410												
LM No. 2				J	0.0940	U	0.0040					U	0.0060					U	0.00130							U	0.00730
August 25, 2021	0.33																										
002					0.1400	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				U	0.0098		0.0056					U	0.0025						0.00310							J	0.00852
Caster MH 1317															0.400												
LM No. 2				BJ	0.0860	U	0.0040					U	0.0060					U	0.00130							U	0.00730
August 27, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				J	0.0303	J	0.0020					U	0.0025						0.00590								0.01650
Caster MH 1317															0.420												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
August 30, 2021	0.00																										
002					0.1500	U	0.0040					J	0.0062					J	0.00170							U	0.00730
CP MH SS 1015				J	0.0309	J	0.0016					U	0.0025						0.00174							U	0.00101
Caster MH 1317														J	0.090												
LM No. 2				U	0.0540	U	0.0040					J	0.0063					U	0.00130							U	0.00730
September 1, 2021	0.00																										
002				BU	0.0540	U	0.0040					U	0.0060					J	0.00250							U	0.00730
CP MH SS 1015				J	0.0233	U	0.0012					J	0.0025					J	0.00085							U	0.00101
Caster MH 1317															0.120												
LM No. 2				J	0.0870	MU	0.0040					U	0.0060					J	0.00180							U	0.00730
September 3, 2021	0.01																										
002				U	0.0540	U	0.0040					BU	0.0060					J	0.00130							U	0.00730
CP MH SS 1015				J	0.0124	U	0.0012					U	0.0025					J	0.00083							U	0.00101
Caster MH 1317															0.350												
LM No. 2				U	0.0540	U	0.0040					BJ	0.0094					U	0.00130							U	0.00730

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Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1]																					
		COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
		Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
September 6, 2021	0.00																										
002					no data		no data						no data						no data								no data
CP MH SS 1015					0.0355	J	0.0025					J	0.0033					J	0.00070							U	0.00101
Caster MH 1317															0.240												
LM No. 2					no data		no data						no data						no data								no data
September 7, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					U	0.00130								0.03800
CP MH SS 1015					no data		no data						no data						no data								no data
Caster MH 1317															no data												
LM No. 2				MU	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
September 8, 2021	0.00																										
002					0.1300	U	0.0040					U	0.0060					J	0.00130							U	0.00730
CP MH SS 1015				J	0.0148	J	0.0044					U	0.0025					J	0.00083							U	0.00101
Caster MH 1317															0.230												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					J	0.00140							U	0.00730
September 10, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
CP MH SS 1015					0.0450	U	0.0012					U	0.0025					J	0.00085							J	0.00210
Caster MH 1317															0.220												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
September 13, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					J	0.00140							U	0.00730
CP MH SS 1015				U	0.0098	U	0.0012					U	0.0025						0.00124							J	0.00545
Caster MH 1317															0.170												
LM No. 2					0.1100	U	0.0040						0.0250					U	0.00130							U	0.00730
September 15, 2021	0.00																										
002				BJ	0.0960	U	0.0040					U	0.0060					J	0.00250							U	0.00730
CP MH SS 1015				J	0.0193	J	0.0026					U	0.0025						0.00330							J	0.00615
Caster MH 1317															0.180												
LM No. 2					0.2800	U	0.0040					U	0.0025					U	0.00130							U	0.00730
September 17, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				J	0.0199	U	0.0012					U	0.0025						0.00280								0.01080
Caster MH 1317															0.390												
LM No. 2				U	0.0540	U	0.0040						0.0150					U	0.00130							U	0.00730
September 20, 2021	0.05																										
002				U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
CP MH SS 1015					0.0350	U	0.0012					U	0.0025						0.00138							J	0.00557
Caster MH 1317															0.570												
LM No. 2				U	0.0540	U	0.0040					MU	0.0060					U	0.00130							U	0.00730
September 22, 2021	0.01																										
002				U	0.0540	U	0.0040					U	0.0060					J	0.00150							U	0.00730
CP MH SS 1015				J	0.0135	U	0.0012					J	0.0042					J	0.00088							J	0.00209
Caster MH 1317															0.830												
LM No. 2				BU	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730

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Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Summary of Data by Sample Date

Sample Station	Precip. (inches)	Laboratory Determinations[1] COD Qual	COD (mg/L)	Ammonia-N Qual	Ammonia-N (mg/L)	Total Cyanide Qual	Total Cyanide (mg/L)	Free Cyanide Qual	Free Cyanide (mg/L)	Available Cyanide Qual	Available Cyanide (mg/L)	T. Phenolics Qual	T. Phenolics (mg/L)	Fluoride Qual	Fluoride (mg/L)	TR Boron Qual	TR Boron (mg/L)	TR Copper Qual	TR Copper (mg/L)	Dissolved Iron Qual	Dissolved Iron (mg/L)	TR Lead Qual	TR Lead (mg/L)	TR Silver Qual	TR Silver (mg/L)	TR Zinc Qual	TR Zinc (mg/L)
September 24, 2021	0.00																										
002				U	0.0540	BU	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				J	0.0109	U	0.0012					U	0.0025						0.00140							J	0.00174
Caster MH 1317															0.590												
LM No. 2					0.1600	BU	0.0040					U	0.0060					U	0.00130							U	0.00730
September 27, 2021	0.00																										
002				J	0.0600	U	0.0040					U	0.0060					U	0.00130							U	0.00730
CP MH SS 1015				J	0.0109	J	0.0045					J	0.0069						0.00104							J	0.00227
Caster MH 1317															0.130												
LM No. 2				U	0.0540	U	0.0040					U	0.0060					J	0.00190							U	0.00730
September 29, 2021	0.00																										
002				U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
CP MH SS 1015				U	0.0098	J	0.0014					U	0.0025						0.00364							J	0.00511
Caster MH 1317															0.120												
LM No. 2				J	0.0650	U	0.0040					U	0.0060					U	0.00130							U	0.00730
October 1, 2021	0.00																										
002				B	0.1200	BU	0.0040					U	0.0060					J	0.00140							U	0.00730
CP MH SS 1015				U	0.0098	J	0.0019					U	0.0025						0.00319							J	0.00827
Caster MH 1317															0.120												
LM No. 2				BMU	0.0540	BU	0.0040					U	0.0060						0.01400							J	0.00730

Notes

[1] Starting May 1, 2020, Outfall 002 total Cyanide and total phenolics data reflect samples collected in accordance with the IDEM-recommended revised composite sampling procedure.
[2] Starting July 31, 2020, 24-hr composite samples analyzed by Microbac and ALS are dated the day composite samples are collected (modified from the day composite samples are started at the direction of IDEM and U.S. EPA). As a result of this date reporting modification, there are no samples dated July 31, 2020.
[3] Results not available prior to preparation of interim status report.
[4] Rain gage and data installed at Polishing Lagoons on April 6, 2021 with precipitation data reported April 8, 2021 forward (prior precipitation obtained from Chesterton 4.2 E, IN US US1INPT0091)

Qualifiers

J	Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)
U	Analyte analyzed but not detected above the MDL
B	Analyte detected in the associated Method Blank above the RL
1	Due to the outage of equipment required to perform total cyanide analysis by Kelada-01, samples analyzed by SM 4500-CN-E to meet holding times.
H	Analyzed outside of holding time
M	Matrix interference is present and matrix spike recovery is outside of acceptance limits
R	Duplicate RPD is outside of acceptance limits
Q	LCS recovery is above acceptance limits. However there is no impact on the reported value

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																											
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/25/19	19J1403-01,02; 19J1402-03	0.00	240.1	U	9.3	J	0.0930	U	0.0020			U	0.00091	U	0.0060		0.140		0.0290	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/26/19	19J1404-01,02; 19J1406-03	0.00	236.5	U	9.3	J	0.0920	U	0.0020			U	0.00180	U	0.0060		0.130		0.0290	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01400
10/27/19	19J1417-01,02; 19J1419-03	1.68	241.2	U	9.3	J	0.0940	U	0.0020			U	0.00200	J	0.0062		0.130		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/28/19	19J1470-01,02; 19J1469-03	0.00	231.1		11.0	J	0.0940	U	0.0020					J	0.0070		0.160		0.0270	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00780
	19102232-01, 19K0311-01							U	0.0020	U	0.0020	U	0.00091																
	19102232-01 Rev 1 (WAD Cn rerun)							U	0.0012	U	0.0011	U	0.00091																
10/29/19	19J1517-01,02; 19J1519-03	0.08	232.8	U	9.3	J	0.0770		0.0070			U	0.00091	J	0.0066		0.180		0.0290	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	19J1519-03 (TCN rerun)							U	0.0020																				
	19110038-01									U	0.0011	U	0.00091																
10/30/19	19J1583-01,02; 19J1584-03	0.78	231.2	U	9.3		0.1500	U	0.0020					U	0.0060		0.180		0.0290	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01700
	19110039-01									U	0.0011	U	0.00091																
10/31/19	19K0027-01,02; 19K0032-02	0.81	215.2		21.0	U	0.0540	U	0.0020			U	0.00091	J	0.0067		0.170		0.0300	J	0.00670	U	0.0120	J	0.003400	U	0.000053	J	0.01300
11/01/19	19K0059-01,02; 19K0060-02	0.55	200.5	U	9.3		0.1100	J	0.0021			U	0.00091	U	0.0060		0.170		0.0330	J	0.00630	U	0.0120	J	0.003500	U	0.000053	J	0.01000
	19K0060-02 (TCN rerun)							U	0.0020																				
11/02/19	19K0062-01,02; 19K0063-03	0.00	200.9	U	9.3	J	0.0610	U	0.0020			U	0.00091	U	0.0060		0.160		0.0280	J	0.00610	U	0.0120	J	0.003700	U	0.000053	U	0.00730
	19K0063-03 (TCN rerun)							U	0.0020																				
11/03/19	19K0062-01,02; 19K0077-03	0.00	205.5		15.0	J	0.0810	J	0.0026			U	0.00091	U	0.0060		0.510		0.0260	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00840
	19K0078-03/19K0077-03 (TCN/F reruns)							U	0.0020								0.410												
11/04/19	19K0121-01, 02; 19K0121-03	0.00	207.0	U	9.3	J	0.0540	J	0.0020			U	0.00091	U	0.0060		0.190		0.0270	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00840
11/05/19	19K0215-01, 02; 19K0216-03	0.00	200.8	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.180		0.0270	J	0.00600	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/06/19	19K0291-03, 19K0429-03	0.00	180.0	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.170		0.0280	J	0.00660	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/07/19	19K0380-01,02; 19K0385-03	0.00	179.9		11.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0290	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/08/19	19K0429-03; 19K0430-01,02	0.00	186.9		16.0	J	0.0770	J	0.0026			U	0.00091	U	0.0060		0.130		0.0230	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
								U	0.0020																				
11/09/19	19K0433-03; 19K0434-01,02	0.00	189.5		10.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0230	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/10/19	19K0446-01,02;19K0447-02	0.00	186.6	U	9.3	J	0.0640	U	0.0020			U	0.00091		0.0120		0.130		0.0240	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.00900
11/11/19	19K0480-03; 19K0481-01,02	0.02	174.3		13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01100
11/12/19	19K0575-01,02; 19K0577-02	0.36	185.5		12.0	U	0.0540	U	0.0020			U	0.00091	J	0.0068		0.140		0.0270	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.00840
11/13/19	19K0645-01,02; 19K0647-03	0.00	175.9	U	9.3	U	0.0540	J	0.0024			U	0.00091	U	0.0060		0.140		0.0280	J	0.00460	U	0.0120	U	0.003300	U	0.000053	J	0.01200
								U	0.0020																				
								U	0.0020																				
11/14/19	19K0722-01,02; 19K0723-02	0.00	176.1		12.0	J	0.0690	U	0.0020			U	0.00091	U	0.0060		0.140		0.0270	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00810
11/15/19	19K0767-03; 19K0768-01,02	0.00	180.9		13.0		0.1200	U	0.0020			U	0.00091	J	0.0072		0.130		0.0280	J	0.00450	U	0.0120	U	0.003300	U	0.000053	J	0.00880
11/16/19	19K0770-01,02; 19K0771-03	0.00	185.7	J	9.7	J	0.0880	U	0.0020			U	0.00091	J	0.0098		0.130		0.0260	J	0.00440	U	0.0120	U	0.003300	U	0.000053	J	0.00740
11/17/19	19K0785-01,02; 19K0786-03	0.00	188.1		15.0	J	0.0960	U	0.0020			U	0.00091		0.0150		0.130		0.0270	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.01200
11/18/19	19K0837-01,02; 19K0838-03	0.02	167.4	U	9.3	J	0.0750	U	0.0020			U	0.00091	U	0.0060		0.130		0.0210	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/19/19	19K0913-03; 19K0914-01,02	0.00	202.2		12.0	J	0.0740	U	0.0020	U	0.0011	U	0.00091	U	0.0060		0.130		0.0260	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.01200
11/20/19	19K1021-01,02; 19K1022-01	0.04	207.1		14.0	J	0.0590	U	0.0020	U	0.0011	U	0.00091		0.0150		0.140		0.0260	J	0.00590		0.0130	U	0.003300	U	0.000053	J	0.01100
11/21/19	19K1109-01; 19K1111-03;	0.14	205.0	U	9.3	J	0.0840	U	0.0020	U	0.0011	U	0.00091	U	0.0060		0.140		0.0280	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01200
	19K1120-01;																												
11/22/19	19K1160-01,02; 19K1163-02	0.34	199.2	U	9.3	U	0.0540	U	0.0020	U	0.0011	U	0.00091	J	0.0096		0.140		0.0300	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00910
	19K1181-01 (WAD Cn)																												
11/23/19	19K1161-01,02; 19K1164-02	0.00	194.5	U	9.3	U	0.0540	U	0.0020	U	0.0011	U	0.00091	J	0.0084		0.130		0.0270	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00850
	19K1181-02 (WAD Cn)																												
11/24/19	19K1162-01,02; 19K1165-02	0.00	202.4	U	9.3	J	0.0870	U	0.0020	U	0.0011	U	0.00091	U	0.0060		0.120		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.01100
	19K1181-03 (WAD Cn)																												
11/25/19	19K1215-01,02; 19K1214-03	0.00	214.7	U	9.3		0.1100	U	0.0020	U	0.0011	U	0.00091	U	0.0060		0.140		0.0260	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01200
11/26/19	19K1281-01,02; 19K1282-02	0.00	217.4	U	9.3	J	0.0680	U	0.0020			U	0.00091	U	0.0060		0.160		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01200
11/27/19	19K1339-02	0.35	212.1		15.0	J	0.0920	U	0.0020			U	0.00091		0.0120		0.160		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00800
11/28/19	19K1342-01,02; 19K1343-02	0.00	206.6		17.0	J	0.0920	U	0.0020			U	0.00091	U	0.0060		0.160		0.0290	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00790
11/29/19	19L0015-12,02; 19L0018-02	0.00	209.5		13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00760
11/30/19	19L0016-01,02; 19L0019-02	0.02	205.0		14.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00900
12/01/19	19L0017-01,02; 19L0020-02	0.25	210.7		12.0		0.1100	U	0.0020			U	0.00091	U	0.0060		0.140		0.0280	J	0.00560	J	0.0180	U	0.003300	U	0.000053	J	0.01000
12/02/19	19L0071-01,02; 19L0079-02	0.24	197.9		12.0	J	0.0820	U	0.0020			U	0.00091	U	0.0060		0.150		0.0270	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01000

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																							
Sample Date	Microbac/ALS Lab ID	Precip (inches)	Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/03/19	19L0156-01,02; 19L0157-02	0.00	188.7		12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0350	J	0.00400	U	0.0120	U	0.003300	U	0.000053	J	0.00850
12/04/19	19L0235-01,02; 19L0236-02	0.00	174.6		16.0	J	0.0790	U	0.0020			U	0.00091	U	0.0060		0.130		0.0300	J	0.00460	U	0.0120	U	0.003300	U	0.000053	J	0.00980
12/05/19	19L0322-01,02; 19L0323-02	0.00	179.2	U	9.3		0.1600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/06/19	19L0392-01,02; 19L0395-02	0.00	181.1		13.0	U	0.0540	U	0.0020			U	0.00091		0.0120		0.130		0.0270	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/07/19	19L0393-01,02; 19L0397-02	0.00	180.1	J	9.6	U	0.0540	U	0.0020			U	0.00091		0.0260		0.130		0.0250	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00730
12/08/19	19L0394-01,02; 19L0398-02	0.00	180.6		10.0	U	0.0540	U	0.0020			U	0.00091		0.0160		0.130		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.01300
12/09/19	19L0451-01,02; 19L0452-02	0.40	175.8		11.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00760
12/10/19	19L0517-01,02; 19L0518-02	0.00	178.2	U	9.3	J	0.0750	J	0.0026			U	0.00091	U	0.0060		0.120		0.0250	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00740
12/11/19	19L0588-01,02; 19L0589-02	0.00	168.6	U	9.3	U	0.0540	U	0.0020			U	0.00091	J	0.0076		0.120		0.0290	J	0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.01100
12/12/19	19L0665-01,02; 19L0666-02	0.00	168.5	U	9.3	J	0.0970	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.00770
12/13/19	19L0740-01,02; 19L0737-03	0.00	175.3	U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00500	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/14/19	19L0741-01,02: 19L0738-03	0.00	196.2		11.0	J	0.0600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/15/19	19L0743-01,02; 19L0739-03	0.00	198.6	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/16/19	19L0801-01,02; 19L0802-03	0.00	190.1		14.0	J	0.0690	U	0.0020			U	0.00091	U	0.0060		0.120		0.0500	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00750
12/17/19	19L0891-01,02; 19L0892-02	0.00	195.0		15.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/18/19	19L0967-01,02; 19L0965-02	0.00	190.7		11.0	U	0.0540	U	0.0020			J	0.00120	U	0.0060		0.130		0.0300	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00930
12/19/19	19L1066-01,02; 19L1067-02	0.00	190.3	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01200
12/20/19	19L1114-01,02; 19L1115-03	0.00	194.4	U	9.3	U	0.0540	J	0.0020			U	0.00091	U	0.0060		0.120		0.0250	J	0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.00820
12/21/19	19L1116-01,02; 19L1117-03	0.00	198.5		11.0	J	0.0580	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00740
12/22/19	19L1118-01,02; 19L1119-03	0.00	199.4		11.0	J	0.0630	J	0.0028			U	0.00091	U	0.0060		0.120		0.0250	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01100
12/23/19	19L1143-01,02; 19L1144-02	0.00	199.6	U	9.3		0.2600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00740
12/24/19	19L1183-01,02; 19L1184-02	0.00	201.0		13.0		0.2200	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00730
12/25/19	19L1185-01,02; 19L1186-02	0.00	199.6		12.0		0.1700	J	0.0040			U	0.00091	U	0.0060		0.150		0.0260	J	0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.01200
12/26/19	19L1213-01,02; 19L1212-02	0.00	197.4		12.0	J	0.0680	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.00780
12/27/19	19L1259-01,02; 19L1258-02	0.00	197.2		16.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.140		0.0280	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00890
12/28/19	19L1261-01,02; 19L1260-02	0.00	200.2		13.0	J	0.0650	U	0.0020			U	0.00091	U	0.0060		0.130		0.0270	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00950
12/29/19	19L1265-01,02; 19L1264-02	0.55	201.8		19.0		invalid result	J	0.0034			U	0.00091	U	0.0060		0.130		0.0280	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.01200
						U	0.0540	U	0.0020																				
12/30/19	19L1289-01,02; 19L1288-03	0.75	202.1		12.0	J	0.0620	U	0.0020			U	0.00091	U	0.0060		0.130		0.0280	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01100
12/31/19	20A0017-01,02; 20A0018-02	0.00	202.1		16.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0250	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.00870
01/01/20	20A0020-01,02; 20A0021-02	0.00	211.8		11.0	J	0.0750	U	0.0020			J	0.00200	J	0.0076		0.140		0.0270	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01000
01/02/20	20A0079-01,02; 20A0081-02	0.00	228.4		15.0	J	0.0700	U	0.0020			U	0.00091		0.0150		0.140		0.0300	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00850
01/03/20	20A0124-01,02; 20A0126-02	0.00	226.1		12.0	J	0.0680	U	0.0020			U	0.00091	J	0.0098		0.130		0.0250	J	0.00460	U	0.0120	U	0.003300	U	0.000053	J	0.00860
01/04/20	20A0127-01,02; 20A0128-02	0.80	226.6		14.0	U	0.0540	U	0.0020			U	0.00091		0.0110		0.140		0.0240	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00830
01/05/20	20A0129-01,02; 20A0131-02	0.00	226.2		19.0	U	0.0540	U	0.0020			U	0.00091		0.0068		0.140		0.0250	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/06/20	20A0192-01,02; 20A0193-02	0.00	226.1	J	9.6	U	0.0540	U	0.0020			U	0.00091	J	0.0092		0.130		0.0250	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00760
01/07/20	20A0255-01,02; 20A0256-02	0.00	209.4		13.0		0.1100	U	0.0020			U	0.00091		0.0140		0.140		0.0270	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00810
01/08/20	20A0348-01,02; 20A0350-02	0.00	191.0		63.0	J	0.0830	U	0.0020			U	0.00091	U	0.0060		0.150		0.0230	J	0.00490	J	0.0290	U	0.003300	U	0.000053	J	0.00750
01/09/20	20A0422-01,02; 20A0423-02	0.00	193.1		16.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00550	J	0.0190	U	0.003300	U	0.000053	J	0.01000
01/10/20	20A0478-01,02; 20A0479-02	0.02	195.9		30.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00560	U	0.0120	J	0.004500	U	0.000053	J	0.00780
01/11/20	20A0480-01,02; 20A0482-02	2.75	183.6		16.0	U	0.0540	U	0.0020			U	0.00091	J	0.0084		0.150		0.0250	J	0.00780	U	0.0120	U	0.003300	U	0.000053	J	0.01000
01/12/20	20A0483-01,02; 20A0545-02	0.50	174.0		14.0		0.1300	U	0.0020			U	0.00091	J	0.0063		0.140		0.0250	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/13/20	20A0546-01,02; 20A0547-02	0.00	173.7	U	9.3		0.1100	U	0.0020			U	0.00091		0.0170		0.130		0.0280	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00890
01/14/20	20A0615-01,02; 20A0616-02	0.00	177.5	U	9.3	U	0.0540	U	0.0020			U	0.00180	U	0.0060		0.130		0.0280	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00930
01/15/20	20A0677-01,02; 20A0678-02	0.00	179.7	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00850
01/16/20	20A0751-01,02; 20A0752-02	0.00	183.2	U	9.3	J	0.0860	U	0.0020			U	0.00091	U	0.0060		0.150		0.0260	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00870
01/17/20	20A0799-01,02; 20A0800-02	0.00	183.1	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.01000
01/18/20	20A0801-01,02; 20A0802-02	0.00	182.0	U	9.3		0.1200	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00870
01/19/20	20A0803-01,02; 20A0804-02	0.00	181.3	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0250	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00770
01/20/20	20A0840-01,02; 20A0843-02	0.00	186.4	U	9.3		0.2300	U	0.0020			U	0.00091	U	0.0060		0.150		0.0300	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.01000
01/21/20	20A0897-01,02; 20A0898-03	0.00	188.7	U	9.3	J	0.0730	U	0.0020			U	0.00091	J	0.0062		0.140		0.0330	J	0.00660	U	0.0120	U	0.003300	U	0.000053	J	0.00940
01/22/20	20A0989-01,02; 20A0991-02	0.00	188.5		14.0	J	0.0810	U	0.0020			U	0.00091	J	0.0063		0.140		0.0260	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/23/20	20A1044-01,02; 20A1045-02	0.00	192.3		20.0		0.1600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/24/20	20A1099-01,02; 20A1100-02	0.00	202.2		14.0		0.2100	U	0.0020			U	0.00091		0.0160		0.140		0.0260	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00920

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information				Laboratory Determinations[1]																													
Sample Date	Microbac/ALS Lab ID	Precip (inches)	Discharge Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/25/20	20A1103-01,02; 20A1104-02	0.00	195.5		15.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00970
01/26/20	20A1106-01,02; 20A1107-02	0.00	188.8		13.0		0.1200	J	0.0026			U	0.00091	J	0.0090		0.140		0.0280	J	0.00500	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/27/20	20A1157-01,02; 20A1158-02	0.00	191.5	U	9.3	U	0.0540	J	0.0026			U	0.00091	U	0.0060		0.140		0.0280	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00960
01/28/20	20A1209-01,02; 20A1210-03	0.00	192.8	U	9.3	U	0.0540	J	0.0022			U	0.00091	U	0.0060		0.140		0.0250	J	0.00520		0.0680	U	0.003300	U	0.000053	J	0.01600
01/29/20	20A1295-01,02; 20A1296-02	0.00	190.6	U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.140		0.0240	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01200
01/30/20	20A1358-01,02; 20A1360-02	0.00	191.4	U	9.3		0.0540	J	0.0026			U	0.00091	U	0.0060		0.120		0.0490	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/31/20	20B0018-01,02; 20B0019-02	0.00	194.5	U	9.3	J	0.0720	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01300
02/01/20	20B0021-01,02; 20B0022-02	0.00	182.2		14.0	J	0.0570	U	0.0020			U	0.00091	U	0.0060		0.130		0.0240	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00930
02/02/20	20B0025-01,02; 20B0027-02	0.00	181.9		13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.140		0.0320	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01200
02/03/20	20B0079-01,02; 20B0081-02	0.00	191.7		12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0390	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01800
02/04/20	20B0168-01,02; 20B0169-03	0.00	194.8	J	9.6	J	0.0720	J	0.0022			U	0.00091	U	0.0060		0.140		0.0270	J	0.00860	U	0.0120	J	0.004200	U	0.000053	J	0.01400
02/05/20	20B0253-01,02; 20B0254-02	0.00	191.1	U	9.3		0.1300	U	0.0020			U	0.00091	U	0.0060		0.130		0.0230	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00930
02/06/20	20B0324-01,02; 20B0325-03	0.00	165.8	U	9.3	U	0.0540	J	0.0026			U	0.00091	U	0.0060		0.140		0.0310	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01100
02/07/20	20B0415-01,02; 20B0412-03	0.00	192.1	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0240	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/08/20	20B0416-01,02; 20B0413-03	0.00	192.7	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0240	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/09/20	20B0417-01,02; 20B0414-03	0.00	196.6	U	9.3	J	0.0610	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00440	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/10/20	20B0479-01,02; 20B0478-02	0.00	196.5	U	9.3	J	0.0780	U	0.0020			U	0.00091	U	0.0060		0.130		0.0270	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00910
02/11/20	20B0539-01,02; 20B0537-02	0.00	196.1	U	9.3	J	0.0900	U	0.0020			U	0.00091	U	0.0060		0.120		0.0280	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00950
02/12/20	20B0631-01,02; 20B0629-02	0.00	191.3		13.0		0.1800	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00420	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/13/20	20B0707-01,02; 20B0706-03	0.00	178.1	U	9.3	U	0.0540	U	0.0020			U	0.00091		0.0240		0.120		0.0280	J	0.00660	U	0.0120	J	0.004000	U	0.000053	J	0.01200
02/14/20	20B0778-01,02; 20B0773-03	0.00	172.8		14.0	J	0.0930	U	0.0020			U	0.00091		0.0220		0.120		0.0260	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00990
02/15/20	20B0780-01,02; 20B0774-03	0.00	177.8	U	9.3		0.1400	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00870
02/16/20	20B0781-01,02; 20B0776-03	0.00	137.1		14.0		0.1600	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01000
02/17/20	20B0828-01,02; 20B0826-02	0.00	161.1		13.0	J	0.0600	U	0.0020			U	0.00091	U	0.0060		0.120		0.0240	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01300
02/18/20	20B0890-01,02; 20B0891-02	0.00	182.9	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.120		0.0460	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00960
02/19/20	20B0969-01,02; 20B0970-03	0.00	183.8		13.0		0.1800	U	0.0020			U	0.00091	U	0.0060		0.140		0.0300	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01500
02/20/20	20B1056-01,02; 20B1057-03	0.00	184.4		14.0	J	0.0570	J	0.0028			U	0.00091	U	0.0060		0.170		0.0270	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01400
02/21/20	20B1119-01,02; 20B1120-03	0.00	184.4		13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0260	J	0.00480	U	0.0120	U	0.003300	U	0.000053	J	0.01100
02/22/20	20B1122-01,02; 20B1123-03	0.00	184.4		13.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0240	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01500
02/23/20	20B1125-01,02; 20B1129-03	0.00	184.6		15.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0240	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01000
02/24/20	20B1175-01,02; 20B1176-03	0.00	188.2		14.0		0.1100	U	0.0020			U	0.00091	U	0.0060		0.150		0.0290	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.01100
02/25/20	20B1238-01,02; 20B1242-03 20B1297-03	0.18	189.8		12.0	U	0.0540	J	0.0038			U	0.00091	U	0.0060		0.150		0.0270	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.01100
02/26/20	20B1295-01,02; 20B1296-03	0.00	172.8	U	9.3		0.1100	U	0.0020			U	0.00091	U	0.0060		0.150		0.0280	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.01300
02/27/20	20B1366-01,02; 20B1369-02	0.00	188.0		12.0		0.1300	U	0.0020			U	0.00091	U	0.0060		0.160		0.0280		0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01200
02/28/20	20C0021-01,02; 20C0022-03	0.00	176.9	U	9.3		0.1500	U	0.0020			U	0.00091		0.0140		0.150		0.0300	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.00780
02/29/20	20C0023-01,02; 20C0027-03	0.00	184.7	U	9.3		0.1800	U	0.0020			U	0.00091		0.0140		0.150		0.0290	J	0.00850	U	0.0120	U	0.003300	U	0.000053	J	0.01200
03/01/20	20C0028-01,02; 20C0030-02	0.00	132.7	U	9.3		0.1600	U	0.0020			U	0.00091		0.0160		0.150		0.0300	J	0.00710	U	0.0120	U	0.003300	U	0.000053	J	0.00790
03/02/20	20C0082-01,02; 20C0083-03	0.00	132.4	U	9.3	J	0.0810	J	0.0032			U	0.00091	U	0.0060		0.150		0.0290	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.00820
03/03/20	20C0164-01,02; 20C0165-02	0.00	127.3	U	9.3		0.2500	U	0.0040			U	0.00091	J	0.0076		0.150		0.0310	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00750
03/04/20	20C0236-01,02; 20C0237-03	0.02	121.2	U	9.3		0.1500	U	0.0040			U	0.00091	J	0.0079		0.150		0.0260	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00760
03/05/20	20C0296-01,02; 20C0297-03	0.00	135.9	U	9.3	J	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00890
03/06/20	20C0372-01,02; 20C0373-03	0.01	110.3	U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00700	U	0.0120	U	0.003300	U	0.000053	J	0.01100
03/07/20	20C0374-01,02; 20C0375-02	0.00	126.7		11.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/08/20	20C0378-01,02; 20C0379-03	0.00	132.4	U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.00800
03/09/20	20C0424-01,02; 20C0426-02	0.00	140.0	U	9.3	J	0.0870	U	0.0040			U	0.00091	U	0.0060		0.150		0.0300	J	0.00690	J	0.0130	J	0.004300	U	0.000053	J	0.01100
03/10/20	20C0487-01,02; 20C0488-02	0.54	138.6		18.0	J	0.0810	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00620		0.0160	U	0.003300	U	0.000053	J	0.01000
03/11/20	20C0562-01,02; 20C0563-02	0.00	141.7	J	9.6		0.1300	U	0.0040			U	0.00091		0.0220		0.140		0.0300	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01300
03/12/20	20C0632-01,02; 20C0636-03	0.00	143.3	U	9.3		0.1200	U	0.0040			U	0.00091		0.0260		0.140		0.0250	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01400
03/13/20	20C0706-01,02; 20C0707-02	0.00	142.1		13.0		0.1300	U	0.0040			U	0.00091		0.0220		0.150		0.0270	J	0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01200
03/14/20	20C0709-01,02; 20C0710-01	0.00	142.3		12.0		0.1900	U	0.0040			U	0.00091		0.0130		0.140		0.0220		0.00470	U	0.0120	U	0.003300	U	0.000053	J	0.00830
03/15/20	20C0712-01,02; 20C0713-03	0.02	143.3		13.0	J	0.0940	U	0.0040			U	0.00091		0.0180		0.130		0.0290	J	0.00700	U	0.0120	U	0.003300	U	0.000053	J	0.01300
03/16/20	20C0767-01,02; 20C0769-03	0.00	142.9		16.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00790	U	0.0120	U	0.003300	U	0.000053	J	0.01200
03/17/20	20C0833-01,02; 20C0834-02	0.04	142.7		12.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0330	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01100

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																					
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/18/20	20C0902-01,02; 20C0904-02	0.00	148.9		15.0	J	0.0750	U	0.0040			U	0.00091	U	0.0060		0.130		0.0310	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01300
03/19/20	20C0940-01,02; 20C0941-03	0.35	150.9		14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01200
03/20/20	20C1033-01,02; 20C1031-03	0.40	147.1		12.0	J	0.0980	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01800
03/21/20	20C1034-01,02; 20C1032-03	0.00	135.3		14.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00660	U	0.0120	U	0.003300	U	0.000053	J	0.02000
03/22/20	20C1035-01,02; 20C1036-02	0.00	140.7		11.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01600
03/23/20	20C1080-01,02; 20C1080-03	0.00	147.0		11.0	J	0.0830	U	0.0040			U	0.00091	U	0.0060		0.130		0.0250	J	0.00740	U	0.0120	U	0.003300	U	0.000053	J	0.01200
03/24/20	20C1127-01,02; 20C1128-02	0.00	171.3		11.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.01800
03/25/20	20C1180-01,02; 20C1181-03	0.00	190.2	J	9.6		0.2500	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01000
03/26/20	20C1213-01,02; 20C1214-02	0.00	195.0		13.0	J	0.0920	J	0.0044			U	0.00091	U	0.0060		0.130		0.0280	J	0.00590	J	0.0160	U	0.003300	U	0.000053	J	0.00780
03/27/20	20C1263-01,02; 20C1266-02	0.05	193.5		12.0	J	0.0830	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00560	J	0.0120	U	0.003300	U	0.000053	U	0.00730
03/28/20	20C1270-01,02; 20C1271-02	0.32	190.4		14.0		0.1300	J	0.0042			U	0.00091	U	0.0060		0.130		0.0310	J	0.00660		0.0620	U	0.003300	U	0.000053	U	0.00730
03/29/20	20C1273-01,02; 20C1275-03	0.02	189.2		13.0		0.1600	U	0.0040			U	0.00091		0.0160		0.130		0.0280	J	0.00600	J	0.0130	U	0.003300	U	0.000053	U	0.00730
03/30/20	20C1307-01,02; 20C1309-02	0.00	183.4	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0280	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01100
03/31/20	20D0012-01,02; 20D0014-03	0.00	184.8	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	J	0.00610	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/01/20	20D0078-01,02; 20D0079-02	0.00	198.6	U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0320	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.00950
04/02/20	20D0121-01,02; 20D0126-03	0.00	203.2	U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0220	J	0.00600	U	0.0120	J	0.004100	U	0.000053	J	0.00760
04/03/20	20D0182-01,02; 20D0183-02	0.00	210.3		27.0	J	0.0930	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/04/20	20D0186-01,02; 20D0187-02	0.00	207.8	U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00560	J	0.0130	U	0.003300	U	0.000053	U	0.00730
04/05/20	20D0195-01,02; 20D0166-03	0.08	208.2		14.0	J	0.0600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00590	J	0.0130	U	0.003300	U	0.000053	J	0.01200
04/06/20	20D0260-01,02; 20D0261-03	0.00	178.5		12.0		0.4000		0.0062 U 0.0040 U 0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00590	J	0.0410	J	0.003700	U	0.000053	J	0.01300
04/07/20	20D0327; 20D0331	0.63	208.3		16.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.150		0.0270	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01200
04/08/20	20D0375; 20D0376	0.21	206.0		17.0	J	0.0570		0.0076			U	0.00091	U	0.0060		0.160		0.0300	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.00970
04/09/20	20D0432; 20D0426	0.14	203.7		20.0	U	0.0540	U	0.0040			J	0.00150	U	0.0060		0.150		0.0280	J	0.00720	U	0.0120	U	0.003300	U	0.000053	J	0.01200
04/10/20	20D0464; 20D0465	0.00	203.4		12.0	J	0.0880	U	0.0040			U	0.00091	J	0.0084		0.150		0.0280	J	0.00580	J	0.0130	U	0.003300	U	0.000053	J	0.01300
04/11/20	20D0469; 20D0470	0.00	201.9		16.0	J	0.0740	U	0.0040			U	0.00091	U	0.0060		0.160		0.0270	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01100
04/12/20	20D0474; 20D0475	0.14	204.4		16.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.150		0.0250	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.01100
04/13/20	20D0529; 20D0531	0.04	204.1		16.0	U	0.0540	U	0.0040			J	0.00140		0.0280		0.160		0.0300	J	0.00700	U	0.0120	U	0.003300	U	0.000053	J	0.01100
04/14/20	20D0580; 20D0581	0.00	202.2		14.0		0.1600	U	0.0040			J	0.00110		0.0180		0.140		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.00770
04/15/20	20D0657, 20D0658	0.00	201.7	U	9.3		0.1000		0.0050			U	0.00091	U	0.0060		0.150		0.0380	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01100
04/16/20	20D0698; 20D0701	0.00	218.9		10.0	J	0.0780	U	0.0040			U	0.00091	U	0.0060		0.150		0.0310	J	0.00590	U	0.0112	U	0.003300	U	0.000053	J	0.01100
04/17/20	20F0754, 20D0756	0.00	198.4		12.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01100
04/18/20	20D0758; 20D0759	0.00	213.3		12.0	J	0.0890	U	0.0040			J	0.00095	U	0.0060		0.150		0.0300	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01000
04/19/20	20D0761; 20D0762	0.00	225.8		12.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.150		0.0270	J	0.00560	U	0.0120	U	0.003300	U	0.000053	J	0.01000
04/20/20	20D0806; 20D0807	0.00	219.0		13.0		0.1400	U	0.0040			U	0.00091	J	0.0097		0.160		0.0310	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01000
04/21/20	20D0862; 20D0865	0.14	218.9		12.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00660	J	0.0130	U	0.003300	U	0.000053	J	0.01000
04/22/20	20D0934; 20D0935	0.00	210.2	U	9.3	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00910
04/23/20	20D0986; 20D0988	0.04	213.9		12.0		0.3000	U	0.0040			U	0.00091	J	0.0078		0.130		0.0220	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00900
04/24/20	20D1078; 20D1079	0.00	209.6		42.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.00890
04/25/20	20D1081; 20D1082	0.20	209.7	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		Sample not collected					U	0.0120		Sample not collected				
04/26/20	20D1084; 20D1085	0.00	219.1	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00690	J	0.0140	U	0.003300	U	0.000053	J	0.01000
04/27/20	20D1133; 20D1135	0.00	223.4	U	9.3		0.2000	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	J	0.00700	U	0.0120	J	0.004100	U	0.000053	J	0.01100
04/28/20	20D1202; 20D1204	0.56	209.9		19.0	J	0.0640	U	0.0040			U	0.00091	U	0.0060		0.140		0.0310	J	0.00660	U	0.0120	U	0.003300	U	0.000053	J	0.01000
04/29/20	20D1253; 20D1254	0.50	217.2		18.0		0.1700	U	0.0040			U	0.00091		0.0280		0.140		0.0290	J	0.00810	U	0.0120	U	0.003300	U	0.000053	J	0.00940
04/30/20	20E0009; 20E0010	1.06	189.0		14.0	J	0.0890	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00770	J	0.0130	U	0.003300	U	0.000053	J	0.01900
05/01/20	20E0063; 20E0064; 20E0065	0.04	175.6		13.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00640	J	0.0140	U	0.003300	U	0.000053	J	0.01100
05/02/20	20E0066; 20E0067; 20E0068	0.00	173.7		12.0	J	0.0930	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00833		0.0630	U	0.003300	U	0.000053	J	0.01400
05/03/20	20E0069; 20E0070; 20E0071	0.00	172.0		11.0	J	0.0190	U	0.0040			J	0.00140	J	0.0078		0.130		0.0250	J	0.00820	J	0.0270	U	0.003300	U	0.000053	J	0.01400
05/04/20	20E0119; 20E0121; 20E0123	0.00	196.7		15.0	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00840	J	0.0220	U	0.003300	U	0.000053	J	0.01800
05/05/20	20E0194; 20E0195; 20E0198	0.05	182.5		15.0	J	0.0790	U	0.0040			U	0.00091		0.0110		0.130		0.0300	J	0.00730	U	0.0120	U	0.003300	U	0.000053	J	0.01900
05/06/20	20E0277; 20E0278; 20E0280	0.16	199.3		25.0	U	0.0540	U	0.0040			J	0.00093	U	0.0060		0.130		0.0320	J	0.00650		0.1900	U	0.003300	U	0.000053		0.02200
05/07/20	20E0373; 20E0374; 20E0376	0.00	230.9	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.160		0.0290	J	0.00720	U	0.0120	U	0.003300	U	0.000053	J	0.01800
05/08/20	20E0446; 20E0447; 20E0448	0.00	204.3		16.0	J	0.0720	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00680	U	0.0120	U	0.003300	U	0.000053		0.02100

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																					
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
05/09/20	20E0449; 20E0450; 20E0451	0.00	191.9		17.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01500
05/10/20	20E0452; 20E0453; 20E0454	0.00	199.1		14.0	J	0.0870	U	0.0040			U	0.00091	U	0.0060		0.150		0.0270	J	0.00740	U	0.0120	U	0.003300	U	0.000053		0.02100
05/11/20	20E0502; 20E0503; 20E0505	0.25	180.7		15.0		0.1500	U	0.0040			no sample		U	0.0060		0.130		0.0290	J	0.00780	U	0.0120	U	0.003300	U	0.000053		0.02500
05/12/20	20E0604; 20E0605; 20E0607	0.00	167.6		15.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00720	U	0.0120	U	0.003300	U	0.000053		0.02000
05/13/20	20E0656; 20E0657; 20E0659	0.00	189.7		15.0		0.2200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00670	J	0.0120	U	0.003300	U	0.000053	J	0.01900
05/14/20	20E0714; 20E0715; 20E0717	0.10	199.3		14.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00690	U	0.0120	J	0.004500	U	0.000053		0.02600
05/15/20	20E0791; 20E0792; 20E0793	3.05	212.6		16.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00620	U	0.0120	U	0.003300	U	0.000053	J	0.01500
05/16/20	20E0797; 20E0798; 20E0800	0.07	204.5		14.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01200
05/17/20	20E0803; 20E0804; 20E0805	0.18	192.4		12.0		0.1900	U	0.0040			U	0.00091	J	0.0082		0.120		0.0250	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.01200
05/18/20	20E0853; 20E0854; 20E0856	0.72	184.7		11.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01400
05/19/20	20E0945; 20E1042; 20E0947	0.14	189.1		14.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01300
05/20/20	20E1028; 20E1029; 20E1031	0.02	187.7	J	9.9	U	0.0540	U	0.0040			U	0.00091	J	0.0087		0.140		0.0250	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.01600
05/21/20	20E1104; 20E1105; 20E1107	0.00	187.2		17.0	J	0.0640	U	0.0040			U	0.00091		0.0250		0.140		0.0230	J	0.00640	U	0.0120	U	0.003300	U	0.000053	J	0.01500
05/22/20	20E1156; 20E1157; 20E1158	0.02	187.7		17.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	J	0.00650	U	0.0160	U	0.003300	U	0.000053	J	0.01400
05/23/20	20E1159; 20E1160; 20R1161	0.00	188.4		16.0		0.1900	U	0.0040			U	0.00091	J	0.0084		0.140		0.0240	J	0.00680	J	0.0120	U	0.003300	U	0.000053	J	0.01600
05/24/20	20E1177; 20E1178; 20E1179	2.55	188.9		11.0		0.2900	U	0.0040			U	0.00091		0.0120		0.140		0.0230	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.01800
05/25/20	20E1187; 20E1186; 20E1188	0.54	190.4		15.0		0.3500	U	0.0040			U	0.00091	J	0.0064		0.130		0.0230	J	0.00680	U	0.0120	U	0.003300	U	0.000053		0.02700
05/26/20	20E1277; 20E1278; 20E1280	0.00	190.5	U	9.3	J	0.0890	U	0.0040			U	0.00091	J	0.0086		0.130		0.0430	J	0.00650	U	0.0120	U	0.003300	U	0.000053		0.02600
05/27/20	20E1328; 20E1330; 20E1332	0.00	190.6		13.0	J	0.0980	J	0.0043			U	0.00091	U	0.0060		0.120		0.0300	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.01800
05/28/20	20E1407; 20E1409; 20E1411	0.35	194.2	U	9.3		0.1100	U	0.0040			U	0.00091		0.0240		0.120		0.0220	J	0.00650	U	0.0120	U	0.003300	U	0.000053	J	0.01900
05/29/20	20F0005; 20F0004; 20F0006	0.82	197.3		13.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00590	U	0.0120	U	0.003300	U	0.000053	J	0.01400
05/30/20	20D0038; 20F0037; 20F0039	0.00	197.3		12.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01900
05/31/20	20D0041; 20F0040; 20F0043	0.00	196.7	U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01800
06/01/20	20F0096; 20F0043; 20F0097	0.00	198.6		11.0		0.2100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.01700
06/02/20	20F0161; 20F0164; 20F0162	0.00	197.0	U	9.3	J	0.0099	U	0.0040			U	0.00091	U	0.0060		0.120		0.0450	J	0.00680	U	0.0120	U	0.003300	U	0.000053		0.02000
06/03/20	20F0249, 20F0252; 20F0250	0.00	202.7		14.0	J	0.0990	U	0.0040			U	0.00091	U	0.0060		0.120		0.0320	J	0.00670	U	0.0120	U	0.003300	U	0.000053	J	0.01200
06/04/20	20F0332; 20F0335; 20F0333	0.00	202.1		12.0		0.1800	U	0.0040			U	0.00091		0.0120		0.110		0.0270	J	0.00310	U	0.0120	U	0.003300	U	0.000053	J	0.01200
06/05/20	20F0394; 20F0397; 20F0395	0.00	198.0		11.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00360	U	0.0120	U	0.003300	U	0.000053	J	0.00840
06/06/20	20F0410; 20F0413; 20F0412	0.00	141.4	U	9.3		0.1000	U	0.0040			U	0.00091	U	0.0060		0.110		0.0250	J	0.00380	U	0.0120	U	0.003300	U	0.000053	J	0.00950
06/07/20	20F0414; 0417; 0479; 0487	0.00	187.2		11.0	J	0.0630	U	0.0040			U	0.00091	U	0.0060		0.110		0.0260	J	0.00320	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/08/20	20F0479; 0477; 0476; 0479	0.00	195.1		12.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00160	U	0.0120	U	0.003300	U	0.000053	J	0.00870
06/09/20	20F0551; 0556; 0552; 0554	0.00	201.2	U	9.3		0.0860	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.01100
06/10/20	20F0623; 0627; 0624; 0625	0.04	199.3	U	9.3	J	0.0860	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.00740
06/11/20	20F0730; 0733; 0731; 0746	0.05	218.8		14.0	U	0.0540	U	0.0040			U	0.00091		0.0160		0.120		0.0240	J	0.00610	U	0.0120	U	0.003300	U	0.000053		0.02100
06/12/20	20F0800; 0804; 0802; 0803	0.00	228.7		12.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0220	J	0.00600	U	0.0120	U	0.003300	U	0.000053	J	0.01100
06/13/20	20F0806; 0809; 0807; 0808	0.09	232.0		13.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00680	U	0.0120	U	0.003300	U	0.000053	J	0.01100
06/14/20	20F0810; 0813; 0811; 0812	0.00	234.2		12.0		0.2600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00570	U	0.0120	U	0.003300	U	0.000053	J	0.01300
06/15/20	20F0871; 0876; 0873; 0874	0.00	233.6	U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00610	J	0.0160	U	0.003300	U	0.000053	J	0.01600
06/16/20	20F0959; 0963; 0961; 0960	0.00	233.3	J	9.9		0.2600	U	0.0040			U	0.00091	B	0.0140		0.120		0.0260	J	0.00690	U	0.0120	U	0.003300	U	0.000053	J	0.01600
06/17/20	20F1027; 1031; 1028; 1029	0.00	235.3		10.0	J	0.0580	U	0.0040			U	0.00091	J	0.0087		0.120		0.0240	J	0.00480	U	0.0120	U	0.003300	U	0.000053	J	0.00860
06/18/20	20F1097; 1101; 1098; 1099	0.00	235.6		12.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	J	0.00500	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/19/20	20F1198; 1194; 1195; 1196	0.00	234.3	U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.120		0.0210	J	0.00520	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/20/20	20F1204; 1201; 1202; 1203	0.00	234.1	U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.110		0.0210	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/21/20	20F1213; 1207; 1211; 1212	0.03	233.0	U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.110		0.0220	J	0.00510	U	0.0120	U	0.003300	U	0.000053	J	0.00780
06/22/20	20F1280; 1277; 1278; 1276	0.00	234.0		12.0		0.2000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/23/20	20F1361; 1362; 1359; 1364	1.48	238.8	U	9.3		0.2200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0290	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/24/20	20F1441; 1442; 1444; 1440	0.02	238.0	U	9.3		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/25/20	20F1523; 1522; 1526	0.92	240.1		18.0	B	0.2200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0210	J	0.00480	J	0.0200	U	0.003300	U	0.000053	U	0.00730
06/26/20	20F1603; 1606; 1602	0.00	237.4		18.0		0.2700	U	0.0040			U	0.00091	J	0.0090		0.120		0.0250	J	0.00530	J	0.0130	U	0.003300	U	0.000053	J	0.00760
06/27/20	20F1613; 1615; 0612	1.05	237.5		14.0		0.1500	U	0.0040			U	0.00091		0.0110		0.120		0.0250	J	0.00460	J	0.0130	U	0.003300	U	0.000053	U	0.00730
06/28/20	20F1617; 1619; 1616	0.00	237.1		18.0		0.2500	U	0.0040			U	0.00091	J	0.0097		0.120		0.0250	J	0.00510	J	0.0140	U	0.003300	U	0.000053	J	0.00840
06/29/20	20F1688; 0691; 1687	0.00	236.5		17.0		0.1700	U	0.0040			U	0.00091	J	0.0076		0.120		0.0270	J	0.00630	J	0.0130	U	0.003300	U	0.000053	J	0.00810
06/30/20	20G0007; 0010; 0006	0.02	236.4		14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.110		0.0780	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.01300
07/01/20	20G0096; 0099; 0095	0.00	237.5		14.0	J	0.0580	U	0.0040			U	0.00091	U	0.0060		0.120		0.0330	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00760

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																							
Sample Date	Microbac/ALS Lab ID	Precip (inches)	Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
07/02/20	20G0182; 0185; 0181	0.00	233.6		16.0		0.3900	U	0.0040			U	0.00091	U	0.0060		0.110		0.0300	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/03/20	20G0187; 0190; 0186	0.00	228.7		12.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/04/20	20G0193; 0192; 0190; 0196	0.00	240.8		13.0		0.2400	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00530	J	0.0170	U	0.003300	U	0.000053	U	0.00730
07/05/20	20G0215; 0218; 0214	0.00	239.6		12.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.110		0.0270	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/06/20	20G0281; 0284; 0280	0.00	192.4		9.6		0.1100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00530	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/07/20	20G0360; 0363; 0358	0.00	240.0		11.0		0.1600	U	0.0040			U	0.00091	J	0.0080		0.110		0.0340	J	0.00530	U	0.0120	U	0.003300	U	0.000053	J	0.00900
07/08/20	20G0441; 0436; 0435	0.02	241.4		11.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.110		0.0300	J	0.00470	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/09/20	20G0516; 0511; 0510	0.00	238.8		13.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00440	U	0.0120	U	0.003300	U	0.000053	J	0.01100
07/10/20	20G0584; 0587; 0583	0.20	239.4		15.0		0.1300	U	0.0040			U	0.00091	J	0.0068		0.120		0.0280	J	0.00490	U	0.0120	U	0.003300	J	0.000110	J	0.00900
07/11/20	20G0590; 0593; 0589	0.90	270.0		14.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/12/20	20G0612; 0608; 0609	0.07	272.5		12.0		0.1700	U	0.0040			U	0.00091	J	0.0084		0.120		0.0240	J	0.00520	U	0.0120	U	0.003300	U	0.000053	J	0.00840
07/13/20	20G0609; 0682; 0685; 0681	0.00	265.0		17.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	J	0.00560	J	0.0130	U	0.003300	U	0.000053	U	0.00730
07/14/20	20G0784; 0780; 0781	0.00	271.6		14.0		0.1400	U	0.0040			U	0.00091	J	0.0110		0.120		0.0250	J	0.00530	U	0.0120	U	0.003300	U	0.000053		0.02500
07/15/20	20G0880; 0881; 0884	0.00	244.5		15.0	J	0.0750	U	0.0040			U	0.00091	J	0.0091		0.140		0.0700	J	0.00430	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/16/20	20G0972; 0975; 0971	0.95	233.9		14.0		0.2600	U	0.0040			U	0.00091		0.0140		0.140		0.0290	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00840
07/17/20	20G1064; 1068; 1065	0.00	228.8		16.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00450	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/18/20	20G1070; 1071; 1074	0.00	228.7		13.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/19/20	20G1098; 1100; 1108	0.00	228.6		19.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/20/20	20G1178; 1179; 1182	0.45	228.4		17.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0320	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/21/20	20G1267; 1270; 1266	0.00	234.8		11.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/22/20	20G1339; 1342; 1338	0.12	242.5		12.0	J	0.0810	U	0.0040			U	0.00091	U	0.0060		0.130		0.0400	J	0.00510	J	0.0160	U	0.003300	U	0.000053	U	0.00730
07/23/20	20G1427; 1423; 1424	0.04	246.0		12.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00510	J	0.0240	U	0.003300	U	0.000053	U	0.00730
07/24/20	20G1525; 1528; 1524	0.00	245.2	U	9.3	J	0.0950	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00480	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/25/20	20G1531; 1534; 1530	0.00	244.8	U	9.3	J	0.0730	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00470	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/26/20	20G1541; 1544; 1540	0.00	243.3		13.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	J	0.00460	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/27/20	20G1636; 1635; 1639	0.08	240.1		14.0	J	0.0890	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/28/20	20G1718; 1719; 1722	0.15	237.8		16.0	J	0.0720	U	0.0040	U	0.00091			J	0.0076		0.110		0.0310	J	0.00500	J	0.0120	U	0.003300	U	0.000053	U	0.00730
07/29/20	20G1784; 1785; 1788	0.00	240.0		15.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00480	JB	0.0150	U	0.003300	U	0.000053	U	0.00730
07/30/20	20G1918; 0917; 1921	0.00	238.8		10.0	B	0.2300	U	0.0040	U	0.00091			J	0.0062		0.130		0.0460	J	0.00510	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/31/20	[2]	0.00	236.6		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
08/01/20	20H0007; 0010; 0006	0.00	223.1	U	9.3		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00520	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/02/20	20H0013; 0016; 0012	0.60	227.8	U	9.3	J	0.0940	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/03/20	20H0040; 0043; 0039	0.65	236.1	U	9.3	J	0.0870	U	0.0040	U	0.00091			J	0.0064		0.120		0.0240	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/04/20	20H0144; 0146; 0147	0.44	252.3	U	9.3		0.1700	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00590	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/05/20	20H0207; 0210; 0206	0.00	252.0		10.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0340	J	0.00490	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/06/20	20H0321; 0320; 0324	0.01	175.1		18.0	J	0.0800	U	0.0040	U	0.00091			U	0.0060		0.110		0.0290	J	0.00450	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/07/20	20H0440; 0439; 0443	0.00	253.4		16.0	J	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00550	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/08/20	20H0524; 0525; 0528	0.00	255.1		19.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	J	0.00580	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/09/20	20H0530; 0534	0.00	240.5		15.0	J	0.0830	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/10/20	20H0545; 0546; 0549	0.02	246.6		18.0	J	0.0630	U	0.0040	U	0.00091			U	0.0060		0.100		0.0230	J	0.00550	U	0.0120	U	0.003300	U	0.000053	J	0.01300
08/11/20	20h0629; 0630; 0637	0.34	241.6		16.0	J	0.0600	U	0.0040		0.00500			U	0.0060		0.120		0.0220	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.00860
										U	0.00091	J	0.00140															
08/12/20	20h0728; 0729; 0732	0.00	234.7		18.0		0.1800	U	0.0040	U	0.00091				0.0120		0.130		0.0240	J	0.00490	U	0.0120	U	0.003300	U	0.000053	J	0.00810
08/13/20	20h0814; 0815; 0818	0.00	234.7		13.0	J	0.0550	J	0.0042		0.00320			U	0.0060		0.120		0.0250	J	0.00590	BU	0.0120	U	0.003300	U	0.000053	J	0.01300
								J	0.0042	U	0.00091	U	0.00091															
08/14/20	20H0947; 0948; 0954	0.00	234.2		14.0	JB	0.0570	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00490	J	0.0220	U	0.003300	U	0.000053	J	0.01000
08/15/20	20H1053; 1054; 1057	0.00	294.0	U	9.3	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/16/20	20H1060; 1061; 1064	0.00	294.1	U	9.3	U	0.0540	U	0.0040	U	0.00091			J	0.0066		0.120		0.0240	J	0.00500	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/17/20	20H1067; 1068; 1071	0.00	294.5	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00580	U	0.0120	U	0.003300	U	0.000053	J	0.00740
08/18/20	20H1158; 1160; 1175	0.00	296.3	U	9.3	J	0.0560	U	0.0040	no sample				U	0.0060		0.120		0.0330	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/19/20	20H1333; 1335; 1338	0.00	296.8	U	9.3	J	0.0930	U	0.0040	U	0.00091			U	0.0060		0.120		0.0330	J	0.00540	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/20/20	20H1434; 1435; 1439	0.00	288.3		17.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	J	0.00560	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/21/20	20H1531; 0532; 1535	0.00	284.7		19.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00530	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/22/20	20H1606; 1607; 1609	0.00	282.9		14.0		0.1900	U	0.0040	U	0.00091			U	0.0060		0.120		0.0230	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																											
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
08/23/20	20H1618; 1620; 1624	0.00	284.5	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	J	0.00630	U	0.0120	U	0.003300	U	0.000053	J	0.01500
08/24/20	20H1634; 1635; 1638	0.00	279.5		19.0	J	0.0600	U	0.0040	U	0.00091				0.0300		0.110		0.0220	J	0.00590	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/25/20	20H1737; 1738; 1741	0.00	285.5		13.0	J	0.0910	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00610	U	0.0120	U	0.003300	U	0.000053	J	0.00860
08/26/20	20H1829; 1831; 1984	0.00	282.6	J	9.6	J	0.0810	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/27/20	20H1972; 1974; 1977	0.00	280.2	U	9.3		0.1500	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/28/20	20H2044; 2045; 2048	0.00	278.8		11.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/29/20	20H2120; 2121; 2124	0.02	290.2		14.0		0.1800	U	0.0040	U	0.00091			U	0.0060		0.140		0.0250	J	0.00140	J	0.0250	U	0.003300	U	0.000053	U	0.00730
08/30/20	20H2130; 2132; 2135	0.00	294.0		15.0		0.1000	U	0.0040	U	0.00091			U	0.0060		0.140		0.0240	J	0.00130	J	0.0120	U	0.003300	U	0.000053	U	0.00730
08/31/20	20H2139; 2140; 2143	0.00	286.2		19.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0230	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
09/01/20	20I0003; 0004; 0007	0.00	284.3		16.0	J	0.0960	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00150	J	0.0180	U	0.003300	U	0.000053	U	0.00730
09/02/20	20I0114; 0115; 0118	0.48	284.5	U	9.3	J	0.0900	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0630	J	0.00240	J	0.0120	U	0.003300	U	0.000053	U	0.00730
09/03/20	20I0222; 0224; 0228	0.00	281.6	U	9.3	J	0.0740		0.0094	U	0.00091	U	0.00091	J	0.0068		0.110		0.0300	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
09/04/20	20I0301; 0308; 0311	0.00	311.5	U	9.3	J	0.0610	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/05/20	20I0389; 0391; 0392	0.00	313.9		12.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/06/20	20I0390; 0402; 0403	0.08	301.9	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0230	J	0.00150	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/07/20	20I0399; 0408; 0409	0.18	290.6		11.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0220	J	0.00470	BU	0.0120	U	0.003300	U	0.000053	J	0.01900
09/08/20	20I0423; 0426; 0428	0.73	286.9		20.0	J	0.0820	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0240	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/09/20	20I0533; 0534; 0537	0.42	287.6		19.0		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/10/20	20I0643; 0646; 0642	0.01	284.3		22.0		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0350	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/11/20	20I0747; 0748; 0751	0.02	282.9	U	9.3		0.1000	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00240	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/12/20	20I0811; 0812; 0818	0.00	282.8	U	9.3	J	0.0930	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0260	J	0.00180	J	0.0160	U	0.003300	U	0.000053	U	0.00730
09/13/20	20I0822; 0823; 0829	0.26	284.1	U	9.3	J	0.0610	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0240	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/14/20	20I0852; 0855; 0859	0.00	284.2	U	9.3	J	0.0870	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/15/20	20I0924; 0926; 0929	0.00	285.0	U	9.3	J	0.0650	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0300	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/16/20	20I1012; 1019; 1013	0.00	283.8	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.100		0.0680	J	0.00200	J	0.0150	U	0.003300	U	0.000053	U	0.00730
09/17/20	20I1122; 1123; 1128	0.00	280.6		15.0		0.1400	U	0.0040	U	0.00091	U	0.00091	JB	0.0066		0.130		0.0290	J	0.00300	U	0.0120	U	0.003300	U	0.000053	J	0.00730
09/18/20	20I1197; 1198; 1266	0.00	286.4	U	9.3		0.1300	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/19/20	20I1251; 1252; 1255	0.00	288.8	U	9.3	J	0.0680	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0240	J	0.00300	U	0.0120	U	0.003300	U	0.000053	J	0.01200
09/20/20	20I1258; 1259; 1262	0.00	286.6	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0230	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/21/20	20I1278; 1281; 1277	0.00	285.6	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0240	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/22/20	20I1357; 1358; 1361	0.00	284.2		10.0		0.1900	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0230	J	0.00180	U	0.0120	U	0.003300	U	0.000053	J	0.01000
09/23/20	20I1440; 1443; 1439	0.00	283.8	U	9.3	JB	0.0540	J	0.0046	U	0.00091	U	0.00091	U	0.0060		0.130		0.0360	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/24/20	20I1526; 1529; 1524	0.00	283.7	J	9.6	J	0.0810	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0250	J	0.00210	J	0.0230	U	0.003300	U	0.000053	U	0.00730
09/25/20	20I1618; 1616; 1621	0.00	277.2	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/26/20	20I1669; 1670; 1673	0.00	282.3	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/27/20	20I1682; 1685; 1681	0.00	280.9	U	9.3	JB	0.0800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0250	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/28/20	20I1707; 1711; 1685	0.20	282.6	U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0250		0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/29/20	20I1758; 1756; 1753	0.27	282.6	U	9.3	J	0.0840	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.110		0.0290	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20092513			U	6.1	U	0.0320	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0251	J	0.00057	J	0.0190	U	0.000220	U	0.000260	J	0.00103
09/30/20	20I1843; 1840; 1839	0.00	280.0	U	9.3	J	0.0680	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0340	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20092631			J	7.6	U	0.0320	J	0.0013	U	0.00091			U	0.0025	U	0.058		0.0255	U	0.00099	U	0.0470	U	0.000220	U	0.000260	U	0.00220
10/01/20	20J0006; 0007; 0010	0.00	273.9	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100153			J	7.6	U	0.0320	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0278	J	0.00135	J	0.0497		0.000229	U	0.000260	U	0.00220
10/02/20	20J0096; 0093; 0092	0.64	272.5	U	9.3	J	0.0720	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100283			J	9.6	J	0.0138	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0299	J	0.00109	J	0.0711	U	0.000220	U	0.000260	U	0.00022
10/03/20	20J0161; 0164; 0160	0.00	264.5	U	9.3	J	0.2200	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0290	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100396			J	9.6	J	0.0192	U	0.0012	U	0.00091			U	0.0025		0.100		0.0342	U	0.00099		0.1090	U	0.000220	U	0.000260	U	0.00220
10/04/20	20J0170; 0173; 0169	0.40	263.7	U	9.3	J	0.1800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100398			J	9.6	J	0.0144	U	0.0012	U	0.00091			U	0.0025		0.100		0.0331	U	0.00099	J	0.0567	U	0.000220	U	0.000260	J	0.00690
10/05/20	20J0187; 0190; 0185	0.02	267.7	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00260	U	0.0120	U	0.003300	U	0.000053		0.02400
	20400401			J	12.0	J	0.0240	U	0.0012	U	0.00091			J	0.0056		0.100		0.0326	U	0.00099		0.1510	J	0.000231	U	0.000260	U	0.00220
10/06/20	20J0246; 0249; 0245	0.00	266.7	U	9.3		0.2300	U	0.0040	U	0.00091	U	0.00091	J	0.0070		0.130		0.0280	J	0.00300	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100493			J	14.0		0.1360									U	0.058	J	0.0182		0.01060	J	0.0688	J	0.000361	U	0.000298		0.02110
10/07/20	20J0354; 0358; 0355	0.00	266.3	U	10.0	J	0.0860	U	0.0040	U	0.00091	U	0.00091	J	0.0069		0.130		0.0340	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information: Sample Date	Sample Information: Microbac/ALS Lab ID	Precip (inches)	Discharge Flow (mgd)	Laboratory Determinations[1]: COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
	20100649			J	12.0		0.1020	U	0.0012	U	0.00091			U	0.0025	J	0.080		0.0204		0.00692	U	0.0800	J	0.000217	U	0.000298	J	0.00199
10/08/20	20J0442; 0443; 0446	0.00	262.2	U	10.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0410	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00330
	20100930			J	12.0	U	0.0098	U	0.0012	U	0.00091			U	0.0025	J	0.060		0.0243		0.00817	J	0.0190	U	0.000148	U	0.000298	J	0.00214
10/09/20	20J0545; 0547; 0549; 0551	0.00	266.6	U	9.3	J	0.0720	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0270	J	0.00130	BJ	0.0170	U	0.003300	U	0.000053	U	0.00730
	20100990			J	9.6		0.0636	U	0.0012	U	0.00091			U	0.0025				0.0233		0.00593	U	0.0160	U	0.000148	U	0.000298	J	0.00129
10/10/20	20J0617; 0619; 0623;	0.00	264.2	U	9.3		0.1300		0.0054	U	0.00091	U	0.00091	U	0.0060		0.120		0.0290	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100991									U	0.00091																		
								U	0.0040																				
								U	0.0040																				
				J	7.6	U	0.0098	U	0.0012	U	0.00091			U	0.0025	J	0.090		0.0229		0.01060	J	0.0315	J	0.000555	U	0.000298	J	0.00076
10/11/20	20J0629; 0630; 0633; 0638	0.00	266.8	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0250	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20100992									U	0.00091																		
										U	0.00091																		
				J	12.0	J	0.0121									J	0.070		0.0228		0.01010	J	0.0260	U	0.000148	U	0.000298	J	0.00181
10/12/20	20J0643; 0644; 0647	0.00	265.6	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101156			J	7.6	J	0.0184	U	0.0012					U	0.0025	U	0.058		0.0241		0.01090	U	0.0160	U	0.000148	U	0.000147	J	0.00209
10/13/20	20J0730; 0731; 0734; 0738	0.14	265.0	U	9.3	J	0.0830	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101286									U	0.00091																		
				J	7.6	U	0.0098	U	0.0012	U	0.00091			U	0.0025	U	0.058		0.0244		0.00666	U	0.0160	U	0.000148	U	0.000147	J	0.00187
10/14/20	20J0829; 0830; 0832; 0833	0.00	260.1	U	9.3	BJ	0.0580	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0340	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101346									U	0.00091																		
				U	6.1	U	0.0098	U	0.0012					U	0.0025	U	0.058		0.0242		0.00691	U	0.0160	U	0.000148	U	0.000298	U	0.00101
10/15/20	20J0913; 0916; 0912; 0924	0.04	262.6	U	9.3	J	0.0760	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0290	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
	20101457									U	0.00091																		
				J	9.6		0.0325	J	0.0013	J	0.00095			U	0.0025	U	0.058		0.0238		0.00665	U	0.0160	J	0.000262	U	0.000147	J	0.00193
10/16/20	20J1014; 1011; 1012; 1015	0.00	264.1	U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	BJ	0.0069		0.120		0.0280	J	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101598									U	0.00091																		
				J	12.0	J	0.0188	U	0.0012					U	0.0025	U	0.058		0.0264		0.01260	U	0.0160	U	0.000148	U	0.000298	J	0.00235
10/17/20	20J1066; 1063; 1064; 1067	0.00	266.1	U	9.3		0.1800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0250	J	0.00140	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101687									U	0.00091																		
				J	9.6	J	0.0222	U	0.0012					U	0.0025		0.100		0.0259		0.00786	J	0.0272	U	0.000148	U	0.000298	J	0.00128
10/18/20	20J1075; 1073; 1072; 1076	0.00	262.7	U	9.3	J	0.0670	U	0.0040	U	0.00091	U	0.00091	J	0.0066		0.120		0.0250	J	0.00580	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101689									U	0.00091																		
				J	14.0		0.0678	U	0.0012					U	0.0025	J	0.090		0.0278		0.02130	U	0.0160	U	0.000148	U	0.000298	J	0.00312
10/19/20	20J1115; 1113; 1112; 1116	0.30	263.4	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0370	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101718									U	0.00091																		
				J	9.6	J	0.0302	U	0.0012					U	0.0025	J	0.090		0.0254		0.01510	U	0.0160	U	0.000148	U	0.000298	J	0.01550
10/20/20	20J1175; 1174; 1178; 1179	0.04	265.4	U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101811									U	0.00091																		
				J	7.6	J	0.0174	U	0.0012					U	0.0025	J	0.090		0.0240		0.01140	U	0.0160	U	0.000148	U	0.000298	J	0.00110
10/21/20	20J1291; 1293; 1290; 1294	0.17	266.4	U	9.3	J	0.0770	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20101971			J	9.6	J	0.0200	U	0.0012					U	0.0025	J	0.060		0.0307		0.01380	U	0.0160	U	0.000148	U	0.000147	J	0.00141
10/22/20	20J1363; 1367; 1361	0.62	264.9	U	9.3		0.1200	U	0.0040	U	0.00091	J	0.00130	U	0.0060		0.120		0.0220	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102075			J	14.0	U	0.0098	U	0.0012					U	0.0025	J	0.060		0.0248		0.02310	U	0.0160	U	0.000148	U	0.000298	J	0.00254
10/23/20	20J1449; 1451; 1448; 1451	0.00	261.8	U	9.3	J	0.0960	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0210	J	0.00210	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102242			J	14.0	J	0.0142	U	0.0012					U	0.0025	J	0.060		0.0251		0.04310	U	0.0160	J	0.000233	U	0.000298	J	0.00295
10/24/20	20J1505; 1506; 1508	0.32	263.1	U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102314			J	7.6	J	0.0251	U	0.0012					U	0.0025	U	0.058		0.0238		0.02780	U	0.0160	J	0.000278	U	0.000298	J	0.00504
10/25/20	20J1515; 1516; 1518	0.03	251.3	U	9.3	J	0.0570	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102315			J	12.0	J	0.0127	U	0.0012					U	0.0025	U	0.058		0.0250		0.02890	J	0.0187	J	0.000214	U	0.000298	J	0.00448
10/26/20	20J1534; 1535; 1537; 1538	0.08	250.3	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0290	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102316			J	18.0	U	0.0098	U	0.0012					U	0.0025	U	0.058		0.0252		0.04170	J	0.0200	J	0.000316	U	0.000298	J	0.00442
10/27/20	30J1607; 1608; 1610	0.12	251.0	U	9.3		0.1400	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
								U	0.0040			U	0.00091																

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information				Laboratory Determinations[1]																											
Sample Date	Microbac/ALS Lab ID	Precip (inches)	Discharge Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
	20102395			J	12.0	U	0.0098	U J	0.0040 0.0016					U	0.0025	U	0.058		0.0271		0.02170	J	0.0223	J	0.000242	U	0.000298	J	0.00317
10/28/20	20J1681; 1683; 1680	0.10	249.8	U	9.3	J	0.0640	J HU HU	0.0042 0.0040 0.0040	U	0.00091	U U	0.00091 0.00091	U	0.0060		0.130		0.0290	J	0.00170	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102495			J	9.6	J	0.0106	J	0.0043					U	0.0025	U	0.058		0.0279		0.02390	J	0.0397	J	0.000309	U	0.000298		0.00359
10/29/20	20J1748; 1750; 1747	0.00	246.7	U	9.3		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0310	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102760			J	16.0	J	0.0229	U	0.0012					U	0.0025	J	0.070		0.0292	J	0.00423	U	0.0160	J	0.000203	U	0.000298	J	0.00147
10/30/20	20J1824; 1826; 1823	0.03	243.8	U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0340	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20102864			J	7.6		0.1440	U	0.0012					U	0.0025	J	0.060		0.0263		0.00834	J	0.0342	J	0.000312	U	0.000298	J	0.00727
10/31/20	20K0010; 0008; 0007	0.00	229.0	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0280	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110085			U	6.1	J	0.0112	U	0.0012					U	0.0025	J	0.060		0.0244		0.00599	J	0.0342	J	0.000458	U	0.000298		0.01000
11/01/20	20K0020; 0018; 0017	0.00	233.9	U	9.3	J	0.0550	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0260	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110086			U	6.1	U	0.0098	U	0.0012					U	0.0025	J	0.060		0.0236		0.00676		0.1250	J	0.000455	U	0.000298		0.01190
11/02/20	20K0030; 0028; 0027	0.00	232.3	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0280	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110097			J	12.0	U	0.0098	U	0.0012					U	0.0025	J	0.040		0.0237		0.02180	J	0.0399	J	0.000446	U	0.000298	J	0.00814
11/03/20	20K0088, 0086, 0085	0.00	226.1	U	9.3		0.1500	U U U	0.0040 0.0040 0.0040	U	0.00091	U U	0.00091 0.00091	U	0.0060		0.140		0.0300	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110244			J	9.6	U	0.0098	U	0.0012					U	0.0025	U	0.058		0.0229		0.01500	J	0.0536	J	0.000254	U	0.000298	J	0.00226
11/04/20	20K0205; 0207; 0203	0.00	214.0	U	9.3	J	0.0860	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0360	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110400			J	12.0	J	0.0202	U	0.0012					U	0.0025	U	0.058		0.0238		0.01310	J	0.0608	J	0.000262	U	0.000298	J	0.00280
11/05/20	20K0282; 0284; 0281	0.00	209.9	U	9.3		0.1300	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00180	U	0.0120	U	0.003300	BU	0.000053	U	0.00730
	20110557			J	9.6	J	0.0314	J U	0.0013 0.0012					J	0.0044 0.0160		0.100		0.0248		0.01180	U	0.0160	U	0.000148	U	0.000298	J	0.00171
11/06/20	20K0348; 0350; 0347	0.00	224.6	U	9.3	B	0.1700	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00170	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110647			U	6.1	J	0.0271	J U	0.0019 0.0012					U	0.0025	U	0.100		0.0270		0.01570	J	0.0161	U	0.000148	U	0.000298	J	0.00272
11/07/20	20K0431; 0434; 0430	0.00	228.0	U	9.3	J	0.0990	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110772			J	7.6	J	0.0290	U	0.0012					U	0.0025		0.100		0.0256		0.01330	J	0.0604	J	0.000220	U	0.000298	J	0.00243
11/08/20	20K0443; 0445; 0441	0.00	227.4		13.0	J	0.0980	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110773			J	7.6		0.0374	U	0.0012					U	0.0025		0.100		0.0248		0.00718	J	0.0189	U	0.000148	U	0.000298	J	0.00141
11/09/20	20K0460; 0462; 0459	0.00	231.8		12.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0270	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20110775			J	7.6		0.0442	J U	0.0016 0.0012					U	0.0025	J	0.090		0.0246		0.01300	U	0.0160	U	0.000148	U	0.000298	J	0.00191
11/10/20	20K0534; 0540; 0539	0.00	236.8		14.0		0.1700	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.120		0.0330	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/11/20	20K0595; 0597; 0594	0.33	236.8		13.0		0.1800	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300	J	0.00170	U	0.0120	J	0.004000	U	0.000053	U	0.00730
11/12/20	20K0684; 0686; 0683	0.00	236.9		34.0		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0290	J	0.00170		0.0640	U	0.003300	U	0.000053	U	0.00730
11/13/20	20K0763; 0765; 0762	0.05	237.0		10.0		0.1400	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/14/20	20K0835; 0834; 0837	0.00	238.7	J	9.8	BU	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/15/20	20K0845; 0842; 0843	0.31	239.4	U	9.3		0.1400	U	0.0040	U	0.00091	J U	0.00097 0.00091	U	0.0060		0.120		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/16/20	20K0862; 0863; 0865	0.03	234.3		11.0	J	0.0770	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0230	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/17/20	20K0927; 0928; 0932	0.00	235.4	U	9.3		0.1500	U	0.0040	U	0.00091	J	0.00093	U	0.0060		0.120		0.0310	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/18/20	20K1021; 1022; 1109	0.00	240.3		11.0	J	0.0670	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/19/20	20K1101; 1103; 1100	0.00	236.4	U	9.3	J	0.0880	J U	0.0041 0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0330	J	0.00180	J	0.0170	U	0.003300	U	0.000053	U	0.00730
11/20/20	20K1163; 1165; 1162	0.00	227.9		12.0	J	0.0710	U U	0.0040 0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0300	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/21/20	20K1229; 1228; 1231	0.00	229.1		10.0	B	0.1200	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300		0.00280	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/22/20	20K1245; 1247; 1244	0.10	233.1	J	9.4	B	0.4400	U	0.0040	HU	0.00230 0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/23/20	20K1262; 1265; 1259	0.08	235.9	J	9.4	BJ	0.0810	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0270	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/24/20	20K1356; 1358; 1355	0.15	232.3		12.0	J	0.0930	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0250	J	0.00240	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																									
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
11/25/20	20K1484; 1494; 1483	0.22	239.2	U	9.3	J	0.0620	U	0.0040	U	0.00091		0.00470	U	0.0060		0.120		0.0260	J	0.00320	U	0.0120	U	0.003300	U	0.000053	U	0.00730
												J	0.00180															
11/26/20	20K1535; 1537; 1534	0.23	237.1		13.0		0.1400	U	0.0040	U	0.00091	J	0.00100	U	0.0060		0.120		0.0230	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/27/20	20K1545; 1547; 1544	0.00	237.3	U	9.3		0.1100	U	0.0040	U	0.00091	U	0.00091	J	0.0097		0.120		0.0240	J	0.00150	J	0.0310	U	0.003300	U	0.000053	U	0.00730
11/28/20	20K1562; 1560; 1557	0.00	238.4	U	9.3	J	0.0570	U	0.0040	J	0.00130	J	0.00097	U	0.0060		0.120		0.0300	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/29/20	20K1568; 1570; 1567	0.00	237.7	J	9.8	J	0.0660	U	0.0040	U	0.00091	J	0.00098	J	0.0060		0.120		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
												U	0.00091															
11/30/20	20K1577; 1579; 1576	0.00	238.0	U	9.3	U	0.0540	U	0.0040	U	0.00091	J	0.00200	J	0.0060		0.120		0.0290	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
												U	0.00091															
12/01/20	20L0016; 0015; 0018	0.03	231.2	U	9.3		0.1100	U	0.0040	J	0.00120	J	0.00120	U	0.0060		0.120		0.0340	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
											0.00230	J	0.00093															
12/02/20	20L0087; 0091; 0086	0.00	234.8	U	9.3	J	0.0760	U	0.0040	J	0.00097	U	0.00091	U	0.0060		0.130		0.0320	J	0.00250	J	0.0310	U	0.003300	U	0.000053	U	0.00730
										UH	0.00091																	
12/03/20	20L0174; 0176; 0173	0.00	234.7	U	9.3		0.1100	U	0.0040	U	0.00091	J	0.00100	U	0.0060		0.120		0.0300	J	0.00190	J	0.0210	U	0.003300	U	0.000053	U	0.00730
												UH	0.00091															
12/04/20	20L0290; 0292; 0289	0.00	245.8		25.0	J	0.0730	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0280	J	0.00210	J	0.0150	U	0.003300	U	0.000053	U	0.00730
12/05/20	20L0362; 0364; 0361	0.00	248.8		17.0		0.1000	U	0.0040	U	0.00091	U	0.00091	J	0.0080		0.110		0.0270	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/06/20	20L0349; 0345; 0343	0.02	251.9		11.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0300	J	0.00190	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/07/20	20L0373; 0371; 0373	0.00	251.7		16.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	MU	0.0060		0.120		0.0260	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/08/20	20L0455; 0457; 0457	0.00	262.9		16.0	BJ	0.0790	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0360	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/09/20	20L0531; 0533; 0530	0.00	264.5		10.0	BJ	0.0820	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0310	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/10/20	20L0607; 0608; 0610	0.00	266.2		12.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	BU	0.0060		0.130		0.0290	J	0.00180	J	0.0140	U	0.003300	U	0.000053	U	0.00730
12/11/20	20L0683; 0684; 0686	0.00	264.3		13.0	J	0.0670	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0270	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/12/20	20L0736; 0737; 0739	0.93	258.4		12.0	BJ	0.0610	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0290	J	0.00210	J	0.0120	U	0.003300	U	0.000053	U	0.00730
12/13/20	20L0744; 0745; 0747	0.25	238.2	J	9.8	BU	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280		0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/14/20	20L0753; 0754; 0756	0.00	228.3	J	9.8	J	0.0870	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/15/20	20L0840; 0842; 0845	0.00	227.1		21.0	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0400	J	0.00190	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
12/16/20	20L0935; 0937; 0934	0.00	230.5		10.0		0.1900	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0340	J	0.00170	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/17/20	20L1013; 1015; 1012	0.01	223.9	U	9.3	U	0.0540	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.140		0.0330	J	0.00190	J	0.0120	U	0.003300	U	0.000053	U	0.00730
12/18/20	20L1097; 1099; 1096	0.03	232.1	U	9.3	U	0.0540	U	0.0040	U	0.00091		0.01200	J	0.0067		0.130		0.0280	J	0.00240	J	0.0160	U	0.003300	U	0.000053	U	0.00730
												U	0.00091															
12/19/20	20L1174; 1176; 1173	0.00	231.8	U	9.3		0.1500	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0280	J	0.00140	J	0.0220	U	0.003300	U	0.000053	U	0.00730
12/20/20	20L1183; 1185; 1182	0.00	232.6	U	9.3	J	0.0880	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.120		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/21/20	20L1196; 0098; 1195	0.02	232.3	U	9.3	J	0.0880	U	0.0040	U	0.00091	U	0.00091	U	0.0060		0.130		0.0310	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/22/20	20L1263; 1265; 1262	0.00	230.7	U	9.3		0.1200	U	0.0040	U	0.00091		no data	U	0.0060		0.130		0.0340	J	0.00250	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/23/20	20L1333; 1335; 1332	0.00	233.4		15.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0300	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/24/20	20L1393; 1395; 1392	0.00	233.4		12.0		0.2400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0360	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/25/20	20L1421; 1420; 1423	0.00	232.2		13.0		0.1600	u	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0270		0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/26/20	20L1432; 1431; 1434	0.00	224.2		13.0	J	0.0930	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/27/20	20L1439; 1440; 1442	0.00	227.3	U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270		0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/28/20	20L1452; 1451; 1454	0.00	228.3		16.0	J	0.0880	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0300	J	0.00180	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
12/29/20	20L1503; 1505; 1502	0.00	223.2		12.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0280	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/30/20	20L1606; 1608; 1605	0.00	227.0		18.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0350	J	0.00370	J	0.0180	U	0.003300	U	0.000053	U	0.00730
12/31/20	20L1658; 1659; 1661	0.00	227.1	U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/01/21	21A0009; 0010; 0012	0.00	226.6	U	9.3	J	0.0920	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0290	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/02/21	21A0020; 0021; 0023	0.00	229.8		17.0		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/03/21	21A0028; 0029; 0031	0.00	228.7		21.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/04/21	21A0044; 0045; 0047	0.00	227.5		14.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/05/21	21A0094; 0095; 0097	0.00	223.2		13.0		0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/06/21	21A0181; 0182; 0184	0.00	225.4	U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.150		0.0270		0.00200	J	0.0120	U	0.003300	U	0.000053	U	0.00730
01/07/21	21A0259; 0260; 0262	0.00	223.4	U	9.3	J	0.0660	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0410	J	0.00270	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/08/21	21A0351; 0352; 0354	0.00	225.8		11.0	J	0.0610	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/09/21	21A0403; 0404; 0406	0.00	226.7	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0300	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/10/21	21A0409; 0410; 0412	0.00	223.7	U	9.3	J	0.0960	MU	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0310	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information				Laboratory Determinations[1]																													
Sample Date	Microbac/ALS Lab ID	Precip (inches)	Discharge Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/11/21	21A0426; 0427; 0432	0.00	220.0	J	9.8	J	0.0690	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/12/21	21A0478; 0480; 0477	0.00	219.0		11.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/13/21	21A0545; 0547; 0544	0.00	221.3		13.0	J	0.0540	MU	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/14/21	21A0604; 0606; 0603	0.00	223.7		11.0	J	0.0730	U	0.0040	J	0.00220 0.00190	J	0.00230 0.00190	U	0.0060		0.130		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/15/21	21A0686; 0688; 0685	0.14	226.4		10.0	J	0.0900	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0270	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
01/16/21	21A0747; 0749; 0746	0.00	227.2		17.0	J	0.0850	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	J	0.003300	U	0.000053	U	0.00730
01/17/21	21A0753; 0755; 0752	0.00	225.3		15.0	J	0.0780	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/18/21	21A0764; 0766; 0763	0.00	226.3	J	9.4	J	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/19/21	21A0797; 1795; 0794	0.00	231.6		12.0	J	0.0770	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/20/21	21A0892; 0893; 0895	0.00	229.0		12.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00170	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
01/21/21	21A0970; 0972; 0969	0.00	230.0		14.0		0.1000	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/22/21	21A1052; 1054; 1051	0.00	223.6	U	9.3		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/23/21	21A1123; 1125; 1122	0.00	218.2	U	9.3	J	0.0760	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/24/21	21A1128; 1130; 1127	0.00	212.6	U	9.3	J	0.0630	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/25/21	21A1140; 1142; 1151	0.00	214.6	U	9.3	J	0.0920	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/26/21	21A1180; 1179; 1182	0.00	217.1	J	9.8	J	0.0820	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00180	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
01/27/21	21A1268; 1265; 1266	0.00	214.6	U	9.3	J	0.0870	U	0.0040	J	0.00170	U	0.00170	U	0.0060		0.130		0.0410	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/28/21	21A1341; 1340; 1343	0.00	173.9	U	9.3	J	0.0850	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
01/29/21	21A1419; 1421; 1418	0.00	218.4	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/30/21	21A1479; 1481; 1478	0.00	224.8	U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00140	U	0.0120	J	0.003500	U	0.000053	U	0.00730
01/31/21	21A1484; 1486; 1483	0.00	226.6	J	9.4		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/01/21	21B0024; 0021; 0023	0.00	221.1	U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/02/21	21B0062; 0064; 0061	0.00	214.8	J	9.8		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/03/21	21B0164; 0166; 0163	0.00	210.9		12.0		0.1200	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.140		0.0360	J	0.00440	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/04/21	21B0245; 0426; 0248	0.00	208.4		12.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0340	J	0.00240	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/05/21	21B0332; 0334; 0331	0.00	207.1	J	9.4		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	J	0.00850
02/06/21	21B0413; 0414; 0416	0.00	206.1		13.0	J	0.0850	U	0.0040	U	0.00170	U	0.00170	BJ	0.0074		0.130		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/07/21	21B0419; 0420; 0422	0.00	205.8		12.0	J	0.0930	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0240	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/08/21	21B0441; 0442; 0446	0.00	205.5	M	33.0	J	0.0910	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/09/21	21B0482; 0483; 0485	0.00	206.8	J	9.8	MJ	0.0730	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/10/21	21B0571; 0572; 0574	0.00	207.9	U	9.3	J	0.0980	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/11/21	21B0670; 0671; 0673	0.00	208.3	U	9.3		0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/12/21	21B0755; 0756; 0758	0.00	208.7	U	9.3	J	0.0680	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/13/21	21B0832; 0833; 0835	0.00	205.7	U	9.3		0.2200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/14/21	21B0837; 0838; 0840	0.00	207.3		37.0		0.1600	U	0.0040	sample lost		sample lost		U	0.0060		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/15/21	21B0852; 0853; 0855	0.00	206.3	U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0230	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/16/21	21B0897; 0898; 0900	0.00	206.7	U	9.3		0.1800	J	0.0044	U	0.00170	U	0.00170	U	0.0060		0.130		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	J	0.01200
02/17/21	21B0940; 0942; 0939	0.00	207.4	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/18/21	21B1013; 1014; 1016	0.00	205.9	U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/19/21	21B1102; 1103; 1105	0.00	207.2	J	9.8	J	0.0760	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/20/21	21B1152; 1154; 1151	0.00	208.6	U	9.3		0.2200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/21/21	21B1157; 1159; 1156	0.00	208.9	U	9.3		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/22/21	21B1115; 1112; 1114	0.00	207.9	U	9.3		0.2800	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0240	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/23/21	21B1184; 1180; 1181	0.00	205.2	U	9.3	J	0.0900	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/24/21	21B1261; 1257; 1258	0.00	206.0	U	9.3	J	0.0920	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/25/21	21B1347; 1349; 1346	0.00	202.1	U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
02/26/21	21B1424; 1425; 1427	0.00	204.2	U	9.3		0.1700	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/27/21	21B1390; 1391; 1393	0.05	203.7	U	9.4		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	J	0.0240	U	0.003300	U	0.000053	U	0.00730
02/28/21	21B1398; 1399; 1401	0.00	204.2		13.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	J	0.00150	J	0.0200	U	0.003300	U	0.000053	U	0.00730
03/01/21	21C0003; 0005; 0002	0.00	207.1		19.0		0.1900	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/02/21	21C0038; 0040; 0037	0.00	206.3		44.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00160	J	0.0120	U	0.003300	U	0.000053	U	0.00730
03/03/21	21C0079; 0081; 0078	0.00	202.0		20.0		0.1200	U	0.0040	U	0.00170	U	0.00170	J	0.0060		0.130		0.0290	J	0.00170	J	0.0160	U	0.003300	U	0.000053	U	0.00730
03/04/21	21C0177; 0174; 0175	0.00	204.2		18.0	J	0.0670	U	0.0040	U	0.00170	U	0.00170	J	0.0060		0.120		0.0250	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																											
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/05/21	21C0276, 0277, 0280	0.00	206.3		17.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	BJ	0.0150	U	0.003300	U	0.000053	U	0.00730
03/06/21	21C0258, 0370, 0262	0.00	204.7		17.0	J	0.0650	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	U	0.00130	BJ	0.0130	U	0.003300	U	0.000053	U	0.00730
03/07/21	21C0264, 0265, 0268	0.00	207.2		17.0	J	0.0660	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
03/08/21	21C0270, 0271, 0275	0.00	207.5		13.0	J	0.0580	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	J	0.00190	J	0.0140	U	0.003300	U	0.000053	U	0.00730
03/09/21	21C0387, 0388, 0390	0.00	218.0		16.0		0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00170	J	0.0140	U	0.003300	U	0.000053	U	0.00730
03/10/21	21C0490, 0492; 0489	0.00	220.3	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/11/21	21C0598, 0602; 0597	0.00	220.6		12.0		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/12/21	21C0694, 0696; 0693	0.00	221.4		12.0		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.200		0.0270	U	0.00130	J	0.0190	U	0.003300	U	0.000053	U	0.00730
03/13/21	21C0706, 0708; 0705	0.00	221.5		13.0	J	0.0960	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/14/21	21C0714, 0789; 0711	0.00	220.5		11.0	J	0.0560	U	0.0040	U	0.00170	U	0.00170	MU	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/15/21	21C0788, 0791, 0712	0.00	224.4		11.0	J	0.0560	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/16/21	21C0846, 0847, 0849	0.00	223.5	U	9.3		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/17/21	21C1003, 1005, 1007	0.00	222.2	U	9.3	J	0.0860	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00700
03/18/21	21C1060, 1061, 1063	0.08	221.8		14.0	J	0.0550	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0340	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/19/21	21C1208, 1209, 1211	0.22	221.2		16.0	J	0.0890	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053		0.01000
03/20/21	21C1096, 1099, 1095	0.00	219.9	U	9.3		0.0930	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/21/21	21C1102, 1105, 1101	0.00	220.8		16.0		0.0940	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/22/21	21C1280, 1283, 1282	0.00	219.9		14.0		0.1600	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
03/23/21	21C1275, 1276, 1278	0.00	216.4		22.0	J	0.0690	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/24/21	21C1388, 1390, 1387	0.15	218.5		16.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/25/21	21C1513, 1515, 1512	0.00	210.8	U	9.3		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0260	U	0.003300	U	0.000053	U	0.00730
03/26/21	21C1636, 1633, 1632	0.82	222.1		16.0		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/27/21	21C1579, 1581, 1578	0.00	219.1		12.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/28/21	21C1585, 1587, 1584	0.23	221.1	U	6.1	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/29/21	21C1676, 1675, 1678	0.00	221.4	U	6.1	U	0.0540	U	0.0040	U	0.00170	U	0.00170	J	0.0067		0.130		0.0260	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
03/30/21	21C1729, 1730, 1732	0.00	219.4	U	6.1		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00160	J	0.0260	U	0.003300	U	0.000053	U	0.00730
03/31/21	21C1822, 1824, 1821	0.00	220.2	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/01/21	21D0015, 0016, 0018	0.00	220.5	U	9.3		0.1600	U	0.0040	U	0.00120	U	0.00170	BU	0.0060		0.130		0.0260	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/02/21	21D0070, 0071, 0073	0.00	219.6		15.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0330	J	0.00200	J	0.0200	U	0.003300	U	0.000053	U	0.00730
04/03/21	21D0002, 0003, 0005	0.00	218.6		11.0		0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0330	J	0.00150	J	0.0230	U	0.003300	U	0.000053	U	0.00730
04/04/21	21D0008, 0009, 0011	0.00	218.2	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0310	J	0.00150	J	0.0250	U	0.003300	U	0.000053	U	0.00730
04/05/21	21D0135, 0136, 0139	0.00	218.8		11.0	J	0.0840	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0330	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/06/21	21D0207, 0208, 0210	0.00	218.3	B	15.0	J	0.0870	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00250	J	0.0230	U	0.003300	U	0.000053	U	0.00730
04/07/21	21D0272, 0273, 0275	0.00	216.6		18.0	BM	0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0300	J	0.00260	J	0.0150	U	0.003300	U	0.000053	U	0.00730
04/08/21	21D0355, 0356, 0358	0.17	218.2		25.0		0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0230	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/09/21	21D0478, 0479, 0481	0.03	220.5	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0220	J	0.00180	J	0.0170	U	0.003300	U	0.000053	U	0.00730
04/10/21	21D0402, 0403, 0406	0.33	221.6		10.0	U	0.0540	U	0.0060	U	0.00170	U	0.00170	U	0.0060		0.110		0.0240	J	0.00180	B	0.0700	U	0.003300	U	0.000053	U	0.00730
04/11/21	21D0411, 0412, 0414	0.00	217.3		11.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/12/21	21D0580, 0581, 0583	0.06	215.5	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0240	J	0.00180	J	0.0180	U	0.003300	U	0.000053	U	0.00730
04/13/21	21D0627, 0628, 0630	0.00	213.6	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/14/21	21D0699, 0700, 0702	0.00	214.1		13.0	J	0.0950	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/15/21	21D0792, 0793, 0795	0.00	210.6		13.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0040		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/16/21	21D0905, 0907, 0904	0.00	211.1		13.0	B	0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/17/21	21D0827, 0828, 0830	0.00	213.5		13.0	J	0.0730	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/18/21	21D0835, 0836, 0838	0.00	213.2		13.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/19/21	21D0982, 0983, 0985	0.23	213.0	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/20/21	21D1033, 1034, 1036	0.03	213.5		14.0	J	0.0650	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0260	J	0.00170	J	0.0120	U	0.003300	U	0.000053	U	0.00730
04/21/21	21D1133, 1134, 1136	0.04	210.2		13.0	BM	0.2000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.140		0.0300		0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/22/21	21D1204, 1206, 1208	0.00	209.6		10.0	B	0.1800	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/23/21	21D1281, 1282, 1284	0.00	211.2	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/24/21	21D1212, 1213, 1215	0.15	211.5	U	9.3	J	0.0980		0.0056	U	0.00170	U	0.00170	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
								U	0.0040																					
								U	0.0040																					
04/25/21	21D0221, 1222, 1244	0.00	215.2	U	9.3		0.1100	J	0.0046	J	0.00170	J	0.00170	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																											
Sample	Microbac/ALS	Precip	Flow	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
Date	Lab ID	(inches)	(mgd)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/26/21	21D1373, 1374, 1376	0.00	214.1	U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	J	0.0060		0.140		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/27/21	21D1417, 1418, 1420	0.00	217.4	U	9.3	J	0.0630	U	0.0040	U	0.00170	U	0.00170	J	0.0061		0.130		0.0260	J	0.00130	J	0.0260	U	0.003300	U	0.000053	U	0.00730
04/28/21	21D1485, 1486, 1488	0.39	218.6	U	9.3	BJ	0.0960	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0290	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/29/21	21D1594, 1595, 1597	0.05	218.5	U	9.3	J	0.0970	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0310	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/30/21	21D1762, 1763, 1765	0.00	219.5	U	9.3	J	0.0870	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00190	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
05/01/21	21E0003, 0004, 0006	0.00	222.0		13.0	BMJ	0.0880	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.130		0.0240	J	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
05/02/21	21E0010, 0012, 0013	0.01	218.7	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.120		0.0230	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
05/03/21	21E0018, 0019, 0021	0.19	218.1	U	9.3		0.1200	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.140		0.0280	J	0.00140	J	0.0130	U	0.003300	U	0.000053	U	0.00730
05/04/21	21E0049, 0050, 0053	0.00	216.1	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/05/21	21E0126, 0127, 0129	0.00	217.0	U	9.3		0.1600	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	J	0.0270	U	0.003300	U	0.000053	U	0.00730
05/06/21	21E0218, 0219, 0221	0.01	200.9	U	9.3	J	0.0990	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/07/21	21E0403, 0404, 0416	0.00	206.8	U	9.3		0.1700	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/08/21	21E0285, 0286, 0288	0.31	216.9		10.0	J	0.0960	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/09/21	21E0294, 0295, 0297	1.70	222.3	U	9.3		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/10/21	21E0495, 0496, 0498	0.00	222.0	U	9.3	J	0.0630	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00140	J	0.0140	U	0.003300	U	0.000053	U	0.00730
05/11/21	21E0560, 0561, 0563	0.00	199.0		18.0	J	0.0740	U	0.0040	U	0.00170	U	0.00170	J	0.0064		0.120		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/12/21	21E0664, 0665, 0667	0.00	218.1		18.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0250	J	0.00130	BJ	0.0160	U	0.003300	U	0.000053	U	0.00730
05/13/21	21E0758, 0579, 0761	0.00	220.5	U	9.3	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/14/21	21E0805, 0806, 0808	0.00	213.3	U	9.3	BJ	0.0590	BU	0.0040	U	0.00170	U	0.00170		0.0100		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/15/21	21E0867, 0868, 0870	0.00	215.5	U	9.3	J	0.0910	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/16/21	21E0875, 0877, 0881	0.00	217.1		17.0	J	0.0670	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/17/21	21E0956, 0958, 0955	0.00	217.4		20.0	U	0.0540	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/18/21	21E1000, 1001, 1003	0.01	218.5		18.0		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/19/21	21E1057, 1058, 1060	0.14	214.7	U	9.3	BU	0.0540	U	0.0040	U	0.00170	U	0.00170	BU	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.00770
05/20/21	21E1181, 1182, 1184	0.00	210.6		11.0		0.1600	U	0.0040	U	0.00170	U	0.00170	J U U U	0.0072 0.0060 0.0060 0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/21/21	21E1267, 1270, 1267	0.00	209.1		12.0		0.1100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0230	J	0.00140	J	0.0180	U	0.003300	U	0.000053	U	0.00730
05/22/21	21E1357, 1359, 1356	0.00	213.2		14.0	B	0.2100	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0240		0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/23/21	21E1364, 1366, 1363	0.00	221.3	J	9.9	B	0.1500	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0280	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/24/21	21E1374, 1376, 1373	0.00	220.5	U	9.3		0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/25/21	21E1436, 1438, 1435	0.00	219.7	U	9.3		0.1300	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.110		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/26/21	21E1541, 1543, 1540	0.27	216.7		14.0	B	0.1200	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/27/21	21E1636, 1638, 1635	0.03	218.1		14.0	M	0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0270	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
05/28/21	21E1717, 1718, 1719	1.03	220.0	U	9.3		0.1400	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	U	0.00130	U	0.0240	U	0.003300	U	0.000053	U	0.00730
05/29/21	21E1777, 1779, 1776	0.00	222.8	U	9.3		0.1800	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0240	U	0.003300	U	0.000053	U	0.00730
05/30/21	21E1784, 1786, 1783	0.00	220.2	J	9.9	BJ	0.0660	MU	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/31/21	21E1794, E1791, F0004	0.00	220.1		13.0	B	0.1000	U	0.0040	U	0.00170	U	0.00170	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/01/21	***Reduced Sampling*** ***On 04/09/21 Cleveland-Cliffs submitted to IDEM proposed modifications to the Outfall 002 ESP which included reduction of sampling frequency from daily to 3/week; and eliminated COD, F Cn, A. Cn, Fluoride, TR B, Diss. Fe, TR Pb, and TR Ag analyses.*** ***IDEM approved the Cleveland-Cliffs-proposed modifications on 05/27/21***																														
06/01/21	21E1972, F0003, F0006	0.00	219.1				0.1500	U	0.0040					J	0.0064					U	0.00130							U	0.00730
06/02/21	21F0050, 0051, 0053	0.00	218.2				0.2300	U	0.0040					U	0.0060					U	0.00130							U	0.00730
06/03/21	no data	0.00	214.7				no data		no data						no data						no data								no data
06/04/21	21F0242, 0310	0.00	235.1				0.1200	U	0.0040					J	0.0066					J	0.00130							U	0.00730
06/07/21	21F0344, 0407	0.10	240.2				0.1200	U	0.0040					BU	0.0060						no data			U	0.003300			U	0.00730
06/09/21	21F0509, 0591	0.00	239.5			J	0.0580	U	0.0040					QU	0.0060					U	0.00130							U	0.00730
06/10/21	no data	0.00	240.2				no data		no data						no data						no data								no data
06/11/21	21F0808, 0732	0.00	240.5				0.2000	U	0.0040					U	0.0060					J	0.00150							U	0.00730
06/14/21	21F0840, 0891	0.00	244.8				0.1700	U	0.0040					U	0.0060					U	0.00130			U	0.003300			U	0.00730
06/16/21	20F1053, 1005	0.00	289.4				0.1200	U	0.0040					BJ	0.0087					J	0.00140							U	0.00730
06/17/21	no data	0.00	282.3				no data		no data						no data						no data								no data
06/18/21	20F1326, 0238	0.52	279.3				0.2600	U	0.0040					U	0.0060					J	0.00200							U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information			Discharge	Laboratory Determinations[1]																					
Sample Date	Microbac/ALS Lab ID	Precip (inches)	Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
06/21/21	21F1384, 1340	0.53	283.6			J	0.0770	U	0.0040					J	0.0096					J	0.00140			U	0.003300			U	0.00730
06/23/21	21F1453, 1523	0.00	281.7			J	0.0880	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
06/25/21	21F1640, 1707	1.01	281.8				0.2300	U	0.0040					J	0.0062					J	0.00150							U	0.00730
06/28/21	21F1727, 1783	0.02	274.3			BU	0.0540	U	0.0040					J	0.0085					U	0.00130							U	0.00730
06/30/21	21F1954, 1881	0.02	270.1			B	0.2500	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
07/02/21	21G0193, 0122	0.01	269.8				0.1100	BU	0.0040					BU	0.0060					J	0.00220							U	0.00730
07/05/21	21G0237	0.01	268.2				no data	U	0.0040					J	0.0081						no data								no data
07/06/21	21G0259	0.00	268.2				0.1200	U	0.0040					J	0.0081					J	0.00170							U	0.00730
07/07/21	21G0281, 0327	0.01	269.9				0.3000	U	0.0040					J	0.0075					J	0.00200							U	0.00730
07/09/21	21G0581, 0396	0.00	281.4				0.1100	U	0.0040					U	0.0060					U	0.00130							U	0.00730
07/12/21	21G0506. 0652	0.00	276.1			J	0.0910	U	0.0040					U	0.0060					J	0.00180			U	0.003300			U	0.00730
07/14/21	21G0705, 0828	0.00	275.2				0.2000	U	0.0040					U	0.0060					U	0.00130							U	0.00730
07/16/21	21G0919, 0999	0.00	271.8			BJ	0.1000	U	0.0040						0.0120					J	0.00150							U	0.00730
07/19/21	21G1077, 1111	0.00	272.0			J	0.0880	U	0.0040					BU	0.0060					J	0.00130			U	0.003300			U	0.00730
07/21/21	21G1177, 1266	0.00	258.3				0.1400	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
07/23/21	21G1373, 1450	0.00	257.7				0.1600	QU	0.0040					J	0.0093					J	0.00190							U	0.00730
07/26/21	21G1482, 1523	0.00	268.9			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
07/28/21	21G1590, 1683	0.00	266.4			BJ	0.0860	U	0.0040					U	0.0060					J	0.00130							U	0.00730
07/30/21	21G1793, 1872	0.00	276.4			BU	0.0540	U	0.0040					U	0.0060					J	0.00130							U	0.00730
08/02/21	21H0090, 0120	0.00	279.7			U	0.0540	U	0.0040					J	0.0090					U	0.00130							U	0.00730
08/04/21	21H0203, 0265	0.00	281.2				0.1000	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/06/21	21H0383, 0455	0.56	284.7				0.1600	U	0.0040					J	0.0085					J	0.00190							U	0.00730
08/09/21	21H0472, 0531	0.13	273.3			J	0.0750	U UH UH	0.0040 0.0040 0.0040					U	0.0060					U	0.00130							U	0.00730
08/11/21	21H0673, 0776	0.03	271.5				0.1200	U	0.0040					U	0.0060					J	0.00150							U	0.00730
08/13/21	21H0794, 0996	0.00	275.0				0.1000	U	0.0040					J	0.0089					QU	0.00130							U	0.00730
08/16/21	21H1009, 1077	0.00	269.4			U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
08/18/21	21H1138, 1232	0.40	268.2			J	0.0610	U	0.0040					J	0.0060					J	0.00160							U	0.00730
08/20/21	21H1271, 1447	0.00	263.7			J	0.0670	U	0.0040						0.0120					J	0.00180							U	0.00730
08/23/21	21H1477, 1522	0.00	255.0			U	0.0540	U	0.0040					J	0.0066					U	0.00130							U	0.00730
08/25/21	21H1611, 1681	0.33	259.9				0.1400	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/27/21	21H1672, 1851	0.00	257.8			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/30/21	21H1774, 1924	0.00	257.2				0.1500	U	0.0040					J	0.0062					J	0.00170							U	0.00730
09/01/21	21I0033, 0064	0.00	255.8			BU	0.0540	U	0.0040					U	0.0060					J	0.00250							U	0.00730
09/03/21	21I0045, 0253	0.01	258.9			U	0.0540	U	0.0040					BU	0.0060					J	0.00130							U	0.00730
09/06/21	no data	0.00	265.1				no data		no data						no data						no data								no data
09/07/21	21I0323, 0347	0.00	273.6			U	0.0540	U	0.0040					U	0.0060					U	0.00130								0.03800
09/08/21	21I0354, 0445	0.00	273.7				0.1300	U	0.0040					U	0.0060					J	0.00130							U	0.00730
09/10/21	21I0418, 0648	0.00	269.7			U	0.0540	U	0.0040					U	0.0025					J	0.00160							U	0.00730
09/13/21	21I0670, 0737	0.00	271.1			U	0.0540	U	0.0040					U	0.0025					J	0.00140							U	0.00730
09/15/21	21I0747, 0880	0.00	269.5			BJ	0.0960	U	0.0040					U	0.0060					J	0.00250							U	0.00730
09/17/21	21I0899, 1087	0.00	269.6			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
09/20/21	21I1104, 1151	0.05	262.2			U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
09/22/21	21I1198, 1341	0.01	260.1			U	0.0540	U	0.0040					U	0.0060					J	0.00150							U	0.00730
09/24/21	21I1208, 1520	0.00	252.6			U	0.0540	BU	0.0040					U	0.0060					U	0.00130							U	0.00730
09/27/21	21I1224, 1568	0.00	244.7			J	0.0600	U	0.0040					U	0.0060					U	0.00130							U	0.00730
09/29/21	21I1653, 1715	0.00	259.4			U	0.0540	U	0.0040					U	0.0060					J	0.00160							U	0.00730
10/01/21	21J0005, 0034	0.00	255.4			B	0.1200	BU	0.0040					U	0.0060					J	0.00140							U	0.00730
10/01/21	***End of Outfall 002 ESP***																												

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: Outfall 002 (Concentration Data)

Sample Information		Precip	Discharge	Laboratory Determinations[1]																					
Sample Date	Microbac/ALS Lab ID	(inches)	Flow (mgd)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
				Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)

Notes

[1] Starting May 1, 2020, Outfall 002 total Cyanide and total phenolics data reflect samples collected in accordance with the IDEM-recommended revised composite sampling procedure.

[2] Starting July 31, 2020, 24-hr composite samples analyzed by Microbac and ALS are dated the day composite samples are collected (modified from the day composite samples are started at the direction of IDEM and U.S. EPA). As a result of this date reporting modification, there are no samples dated July 31, 2020.

Qualifiers

J	Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)
U	Analyte analyzed but not detected above the MDL
B	Analyte detected in the associated Method Blank above the RL
1	Due to the outage of equipment required to perform total cyanide analysis by Kelada-01, samples analyzed by SM 4500-CN-E to meet holding times.
H	Analyzed outside of holding time
M	Matrix interference is present and matrix spike recovery is outside of acceptance limits
R	Duplicate RPD is outside of acceptance limits

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																									
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/28/19	19102222-01	0.00	J	15.0	J	0.0126	U	0.0012	U	0.00091	U	0.0020	J	0.060		0.0331		0.00681	U	0.0412	U	0.000400	U	0.00050	J	0.00349
10/29/19	19102422-01	0.08	J	11.0	J	0.0169	U	0.0012	U	0.00091	U	0.0020	J	0.070		0.0266	J	0.00135		0.1900	J	0.000444	U	0.00026	J	0.00578
10/30/19	19102424-01	0.78		21.0	J	0.0126	U	0.0012	U	0.00091	J	0.0058	U	0.058		0.0250	J	0.00133		0.2020	J	0.000389	U	0.00026	J	0.00489
10/31/19	19110037-01	0.81	J	8.8	J	0.0231	U	0.0012	U	0.00091	J	0.0024	U	0.058		0.0395	J	0.00324		0.4460	J	0.001080	J	0.00167	J	0.00983
11/01/19	19110193-01	0.55	J	11.0	J	0.0154	U	0.0012	U	0.00091	J	0.0021	J	0.070		0.0425	U	0.00130		0.4770	J	0.001080	U	0.00026		0.01510
11/02/19	19110211-01	0.00	J	19.0	J	0.0125	J	0.0022	J	0.00130	U	0.0020	U	0.058		0.0336	U	0.00130		0.1730	J	0.000498	U	0.00026	J	0.00685
11/03/19	19110212-01	0.00	J	8.8	J	0.0114	Sample Lost/Broken - No Data				U	0.0020	J	0.070		0.0380		0.00594		0.1160	J	0.000674	U	0.00026	J	0.00790
11/04/19	19110396-01	0.00	U	6.1	J	0.0129	U	0.0012	U	0.00091	J	0.0053	U	0.058		0.0290	J	0.00189		0.1350	J	0.000310	U	0.00026	U	0.00470
11/05/19	19110398-01	0.00	U	6.1	J	0.0193	U	0.0012	U	0.00091	J	0.0036	U	0.058		0.0295	J	0.00351		0.2530	J	0.000519	U	0.00026	J	0.00901
11/06/19	19110556-01	0.00	U	6.1	J	0.0283	U	0.0012	U	0.00091		0.0120	U	0.058		0.0311	J	0.00211		0.1370	J	0.000382	U	0.00026	U	0.00470
11/07/19	19110758-01	0.00	J	6.8	J	0.0213	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0292		0.00861	U	0.0412	J	0.000511	U	0.000500	J	0.00386
11/08/19	19110759-01	0.00	U	6.1	J	0.0201	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0343		0.01140	U	0.0412	J	0.000499	U	0.000500	J	0.00294
11/09/19	19110760-01	0.00		31.0	J	0.0267	U	0.0012	J U	0.00100 0.00091	U	0.0020	U	0.058		0.0280	J	0.00297	U	0.0412	J	0.000447	U	0.000500	J	0.00365
11/10/19	19110799-01	0.00	U	6.1		0.0583	U	0.0012	J U	0.00180 0.00091	J	0.0028	U	0.058		0.0264	J	0.00252	U	0.0412	J	0.000432	U	0.000500	J	0.00546
11/11/19	19110928-01	0.02		26.0	J	0.0238	J	0.0044	J	0.00110	U	0.0020	U	0.058		0.0310		0.00593	U	0.0412	J	0.000575	U	0.000500	J	0.00424
11/12/19	19110998-01	0.36	J	9.8	J	0.0308	J	0.0034	U	0.00091	U	0.0020	U	0.058		0.0341		0.01200	U	0.0412	J	0.000794	U	0.000500	J	0.00659
11/13/19	19111071-01	0.00	U	6.1		0.0361	J	0.0027	U	0.00091	U	0.0020	U	0.058		0.0297		0.01400	U	0.0412	J	0.000615	U	0.000500	J	0.00420
11/14/19	19111194-01	0.00	J	12.0	J	0.0103	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0272		0.00964	U	0.0412	U	0.000400	U	0.000500	J	0.00331
11/15/19	19111275-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091		0.0078	U	0.058		0.0267		0.01120	U	0.0412	J	0.000671	U	0.000500	J	0.00561
11/16/19	19111276-01	0.00	J	14.0	J	0.0098	U	0.0012	U	0.00091	J	0.0057	U	0.058		0.0240		0.00988	U	0.0412	J	0.000452	U	0.000500	J	0.00579
11/17/19	19111324-01	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0239		0.01290	U	0.0412	U	0.000400	U	0.000500	J	0.00462
11/18/19	19111421-01	0.02	J	7.8	J	0.0098	J	0.0016	U	0.00091	U	0.0020	U	0.058		0.0263		0.00831	U	0.0412	U	0.000400	U	0.000500	J	0.00334
11/19/19	19111528-01	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0299		0.01160	U	0.0412	U	0.000400	U	0.000500	J	0.00428
11/20/19	19111730-01	0.04	J	16.0	J	0.0303	J	0.0015	J	0.00100	U	0.0020	U	0.058		0.0248		0.00819	U	0.0412	U	0.000400	U	0.000500	J	0.00341
11/21/19	19111800-01	0.14	U	6.1	J	0.0173	U	0.0012	J	0.00150	J	0.0058	U	0.058		0.0342		0.01060	U	0.0412	U	0.000400	U	0.000500	J	0.00328
11/22/19	19111875-01	0.34	U J	12.0 9.8		0.0364	U	0.0012	J	0.00140	J	0.0037	J	0.060		0.0320		0.01150	U	0.0412	J	0.000467	U	0.000500	J	0.00371
11/23/19	19111877-01	0.00	J	20.0	J	0.0236	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0256		0.01340	U	0.0412	J	0.000817	U	0.000500	J	0.00308
11/24/19	19111925-01	0.00	J	9.8	U	0.0098	U	0.0012	J	0.00120		0.0074	U	0.058		0.0280		0.01090	U	0.0412	U	0.003300	U	0.000053	J	0.00338
11/25/19	19112036-01	0.00	J	16.0	J	0.0116	J	0.0014		0.00360	U	0.0020	U	0.058		0.0243		0.00897	U	0.0412	U	0.000400	U	0.000500	J	0.00336
11/26/19	19112147-01	0.00		22.0		0.0571	J	0.0019	U	0.00091	U	0.0025	U	0.058	B	0.0336		0.00561	U	0.0412	U	0.000400	U	0.000500	J	0.00183
11/27/19	19112245-01	0.35	J	7.8		0.0538	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0261		0.01140	U	0.0412	J	0.000447	U	0.000500	J	0.00396
11/28/19	19112246-01	0.00	J	9.8		0.0504	U	0.0012	U	0.00091	sample broken		U	0.058	B	0.0234		0.00522	U	0.0412	J	0.000475	U	0.000500	J	0.00360
11/29/19	19120034-01	0.00		24.0		0.0506	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285		0.01130	U	0.0412	U	0.000400	U	0.000500	J	0.00527
11/30/19	19120035-01	0.02	J	7.8		0.0456	J	0.0014	U	0.00091	U	0.0025	U	0.058		0.0230		0.00797	U	0.0412	U	0.000400	U	0.000500	J	0.00363
12/01/19	19120035-01	0.25	J	12.0		0.0480	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0221		0.00765	U	0.0412	U	0.000400	U	0.000500	J	0.00398
12/02/19	19120164-01	0.24	J	12.0		0.0431	J U	0.0014 0.0012	J U	0.00110 0.00091	U	0.0025	U	0.058		0.0274		0.00756	U	0.0412	U	0.000400	U	0.000500	J	0.00381
12/03/19	19120269-01	0.00	J	9.8		0.0432	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0292		0.00505	U	0.0412	U	0.003300	U	0.000053	J	0.00398
12/04/19	19120331-01	0.00	J	20.0	U	0.0098	J	0.0035	U	0.00091	U	0.0025	U	0.058		0.0225		0.01020	U	0.0412	J	0.000568	U	0.000500		0.01030
12/05/19	19120521-01	0.00	J	18.0		0.0377	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0230		0.00871	U	0.0412	U	0.000400	U	0.000500	J	0.00590
12/06/19	19120522-01	0.00	J	14.0	J	0.0253	J	0.0016	J	0.00180	U	0.0025	U	0.058		0.0320	J	0.00226	U	0.0412	U	0.000400	U	0.000500	J	0.00159

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/07/19	19120523-01	0.00	J	14.0	J	0.0284	J	0.0020		0.00220	J	0.0030	U	0.058		0.0203		0.00574	U	0.0412	U	0.000400	U	0.000500	J	0.00285
12/08/19	19120671-01	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0219		0.00610	U	0.0412	U	0.000400	U	0.000500	J	0.00245
12/09/19	19120798-01	0.40		22.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0246		0.00931	U	0.0412	U	0.000400	U	0.000500	J	0.00803
12/10/19	19120902-01	0.00	J	14.0		0.0355	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0280		0.01840	U	0.0412	U	0.000400	U	0.000500	J	0.00541
12/11/19	19121042-01	0.00	J	12.0		0.0374	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00485	U	0.0412	J	0.000359	U	0.000260	J	0.00503
12/12/19	19121080-01	0.00	J	7.8		0.0338	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00420	J	0.0549	J	0.000230	U	0.000260	J	0.00517
12/13/19	19121117-01	0.00	J	7.8		0.0364	U	0.0012	U	0.00091	J	0.0026	U	0.058		0.0242	J	0.00357	U	0.0470	U	0.000220	U	0.000260	J	0.00478
12/14/19	19121118-01	0.00	J	12.0		0.0494	U	0.0012	U	0.00091	J	0.0029	U	0.058		0.0212	J	0.00351	J	0.0794	U	0.000220	U	0.000260	U	0.00470
12/15/19	19121196-01	0.00	J	18.0		0.0377	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0362	J	0.00319		0.0935	U	0.000220	U	0.000260	U	0.00470
12/16/19	19121275-01	0.00	J	12.0		0.0377	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.2120	J	0.00282	J	0.0523	U	0.000220	U	0.000260	U	0.00470
12/17/19	19121403-01	0.00	J	16.0		0.0365	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0375	J	0.00260		0.1120	U	0.000220	U	0.000260	U	0.00470
12/18/19	19121498-01	0.00	J	14.0	J	0.0111	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0373	J	0.00297		0.1060	J	0.000231	U	0.000260	U	0.00470
12/19/19	19121711-01	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00246	J	0.0559	U	0.000220	U	0.000260	U	0.00470
12/20/19	19121737-01	0.00	J	14.0	J	0.0128	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0347	J	0.00242	J	0.0633	J	0.000287	U	0.000260	U	0.00470
12/21/19	19121739-01	0.00	J	9.8	J	0.0104	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0286	J	0.00216	J	0.0590	U	0.000220	U	0.000260	U	0.00470
12/22/19	19121740-01	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00223	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/23/19	19121768-01	0.00	U	6.1	J	0.0109	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0298	J	0.00279	J	0.0478	U	0.000220	U	0.000260	U	0.00470
12/24/19	19121834-01	0.00	U	6.1	J	0.0178	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0347	J	0.00245	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/25/19	19121851-01	0.00	J	20.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262	J	0.00281		0.0817	U	0.000220	U	0.000260	U	0.00470
12/26/19	19121968-01	0.00	U J	12.0 6.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00412	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/27/19	19122019-01	0.00	U J	12.0 8.4	J	0.0136	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0278		0.00621		0.2490	U	0.000220	U	0.000260	J	0.00577
12/28/19	19122020-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0273	J	0.00405	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/29/19	19122025-01	0.55	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276	J	0.00388	J	0.0578	U	0.000220	U	0.000260	U	0.00470
12/30/19	19122038-01	0.75	J	10.0	J	0.0213	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00362	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/31/19	20010024-01	0.00	J	6.4	J	0.0184	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0328	J	0.00268	J	0.0532	U	0.000220	U	0.000260	U	0.00470
01/01/20	20010026-01	0.00	U	6.1	J	0.0162	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0242	J	0.00261	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/02/20	20010096-01	0.00	J	8.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0322	J	0.00139	J	0.0588	U	0.000220	U	0.000260	U	0.00470
01/03/20	20010162-01	0.00	J	6.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247	J	0.00299	J	0.0501	J	0.000448	U	0.000260	U	0.00470
01/04/20	20010166-01	0.80	J	16.0	J	0.0101	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0255		0.00600		0.8010	J	0.000823	U	0.000260	J	0.00643
01/05/20	20010207-01	0.00	J	8.4	U	0.0098	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0266	J	0.00279	J	0.0602	U	0.000220	U	0.000260	U	0.00470
01/06/20	20010289-01	0.00	J	6.4	J	0.0216	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0353	J	0.00196	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/07/20	20010412-01	0.00	U	6.1	J	0.0178	J 1	0.0021	J	0.00120	U	0.0025	U	0.058		0.0375	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/08/20	20010509-01	0.00	J	8.4	J	0.0133	1	0.0051	U	0.00091	U	0.0025	U	0.058		0.0294	J	0.00225	J	0.0674	U	0.000220	U	0.000260	U	0.00470
01/09/20	20010640-01	0.00	J	12.0	J	0.0126	J 1	0.0031	U	0.00091	U	0.0025	U	0.058		0.0330		0.00585		0.1360	J	0.000371	U	0.000260	J	0.00681
01/10/20	20010738-01	0.02	J	6.4		0.0499	U	0.0012	J	0.00100	U	0.0025	U	0.058		0.0291	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/11/20	20010739-01	2.75	J	6.4	J	0.0218	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288	U	0.00130		0.1370	J	0.000251	U	0.000260	U	0.00470
01/12/20	20010740-01	0.50	J	6.4	J	0.0236	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0334	U	0.00130		0.3020	J	0.000398	U	0.000260	U	0.00470
01/13/20	20010820-01	0.00	J	14.0	J	0.0241	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0305	J	0.00192		0.1790	J	0.000406	U	0.000260	U	0.00470
01/14/20	20010926-01	0.00	J	6.4	J	0.0180	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00318		0.2150	U	0.000220	U	0.000260	U	0.00470
01/15/20	20011007-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00231		0.1440	J	0.000222	U	0.000260	U	0.00470
01/16/20	20011260-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00231		0.1440	J	0.000222	U	0.000260	U	0.00470
01/17/20	20011209-01	0.00	J	18.0	J	0.0299	U	0.0012	U	0.00091	J	0.0026	U	0.058		0.0255		0.00784		1.3400	J	0.001890	U	0.000260		0.01200

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/18/20	20011212-01	0.00	J	12.0		0.0357	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248	J	0.00362		0.5160	J	0.000736	U	0.000260	U	0.00470
01/19/20	20011236-01	0.00	U	6.1	J	0.0282	U	0.0012	U	0.00091	U	0.0025		0.120		0.0275	J	0.00404		0.4960	J	0.000758	U	0.000260	U	0.00470
01/20/20	20011295-01	0.00	J	6.2		0.0429	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276	U	0.00130		0.1990	J	0.000305	U	0.000260	U	0.00470
01/21/20	20011440-01	0.00	U	6.1	U	0.0098	J	0.0013	J	0.00180	U	0.0025	J	0.090		0.0309	J	0.00256		0.1710	J	0.000321	U	0.000260	U	0.00470
01/22/20	20011487-01	0.00	J	6.2	J	0.0277	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0329	J	0.00248		0.1770	J	0.000328	U	0.000260	U	0.00470
01/23/20	20011697-01	0.00	J	8.2		0.0323	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00235		0.1430	J	0.000246	U	0.000246	U	0.00470
01/24/20	20011698-01	0.00	J	6.2		0.0435	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0280	J	0.00340		0.1770	J	0.000293	U	0.000260	U	0.00470
01/25/20	20011699-01	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00276		0.1560	J	0.000248	U	0.000260	U	0.00470
01/26/20	20011755-01	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0366	J	0.00264		0.1600	U	0.000220	U	0.000260	U	0.00470
01/27/20	20011757-01	0.00	J	6.2	J	0.0321	U	0.0012	J	0.00170	U	0.0025	U	0.058		0.0258	J	0.00263		0.1350	J	0.000240	U	0.000260	U	0.00470
01/28/20	20011964-01	0.00	U	6.1		0.0545	J	0.0026	J	0.00098	U	0.0025	U	0.058		0.0291	J	0.00428		0.0815	U	0.000220	U	0.000260	U	0.00470
01/29/20	20011966-01	0.00	U	6.1		0.0329	J	0.0034	U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00320		0.0865	U	0.000220	U	0.000260	U	0.00470
01/30/20	20020095-01	0.00	U	3.0	J	0.0091	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00224	J	0.0671	U	0.000220	U	0.000260	U	0.00470
01/31/20	20020016-01	0.00	J	14.0	U	0.0098	U	0.0012	J	0.00140	U	0.0025	U	0.058		0.0257	J	0.00229		0.0874	U	0.000220	U	0.000260	U	0.00470
02/01/20	20020018-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00251		0.1880	U	0.000220	U	0.000260	U	0.00470
02/02/20	20020205-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0314	J	0.00130		0.0826	U	0.000220	U	0.000260	U	0.00470
02/03/20	20020210-01	0.00	J	10.0	J	0.0159	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00279		0.1730	J	0.000294	U	0.000260	U	0.00470
02/04/20	20020382-01	0.00	U	3.0	J	0.0260	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0308	J	0.00230		0.0888	U	0.000220	U	0.000260	U	0.00470
02/05/20	20020472-01	0.00	J	6.2	J	0.0249	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0300	U	0.00130		0.1420	U	0.000220	U	0.000260	U	0.00470
02/06/20	20020622-01	0.00	J	8.2	J	0.0122	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0274	J	0.00246		0.1490	U	0.000220	U	0.000260	U	0.00470
02/07/20	20020620-01	0.00	J	6.2	J	0.0173	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00238		0.1510	J	0.000242	U	0.000260	U	0.00470
02/08/20	20020621-01	0.00	J	10.0	J	0.0248	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0282	J	0.00266		0.1260	J	0.000275	U	0.000260	U	0.00470
02/09/20	20020738-01	0.00	J	6.2	J	0.1630	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0274	J	0.00368		0.5940	J	0.000540	U	0.000260	U	0.00470
02/10/20	20020730-01	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0270	J	0.00280		0.1490	J	0.000226	U	0.000260	U	0.00470
02/11/20	20020816-01	0.00	J	6.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00256		0.0883	U	0.000220	U	0.000260	U	0.00470
02/12/20	20020913-01	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0328	J	0.00262	J	0.0724	U	0.000220	U	0.000260	U	0.00470
02/13/20	no sample	0.00																								
02/14/20	20021001-02	0.00	J	12.0	J	0.0146	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00330		0.5270	J	0.000908	U	0.000260	J	0.00550
02/15/20	20021104-02	0.00	J	18.0	J	0.0169	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0278		0.00554		0.2250	J	0.000392	U	0.000260	U	0.00470
02/16/20	20021103-02	0.00	J	16.0	J	0.0163	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0277	J	0.00296		0.2110	J	0.000337	U	0.000260	U	0.00470
02/17/20	20021161-02	0.00	J	6.2	J	0.0206	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0319	J	0.00248		0.1330	U	0.000220	U	0.000260	U	0.00470
02/18/20	20021271-01	0.00	J	8.0	J	0.0299	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00280		0.1160	J	0.000248	U	0.000260	U	0.00470
02/19/20	20021338-01	0.00	U	6.1	J	0.0292	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00252		0.1520	J	0.000330	U	0.000260	U	0.00470
02/20/20	20021421-01	0.00	U	6.1	J	0.0130	U	0.0012	J	0.00100	U	0.0025	U	0.058		0.0329	J	0.00379		0.2850	J	0.000734	U	0.000260	U	0.00470
02/21/20	20021529-01	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0346	J	0.00157		0.0908	J	0.000295	U	0.000260	U	0.00470
02/22/20	20021530-01	0.00	J	8.0	J	0.0168	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0304	U	0.00130		0.1030	U	0.000220	U	0.000260	U	0.00470
02/23/20	20021531-01	0.00	J	8.0	U	0.0098	U	0.0012		0.00280	U	0.0025	U	0.058		0.0299	J	0.00135		0.1150	J	0.000232	U	0.000260	U	0.00470
02/24/20	20021611-01	0.00	U	6.1	J	0.0245	U	0.0012	J	0.00180	U	0.0025	U	0.058		0.0302	U	0.00130		0.1450	J	0.000249	U	0.000260	U	0.00470
02/25/20	20021690-01	0.18	J	10.0		0.0403	J	0.0029	U	0.00091	U	0.0025	U	0.058		0.0252		0.00560		0.1120	J	0.000315	U	0.000260	U	0.00470
02/26/20	20021796-01	0.00	U	6.1	J	0.0282	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0746	J	0.00337		0.1570	J	0.000388	U	0.000260	U	0.00470
02/27/20	20021916-01	0.00	J	10.0	J	0.0203	U	0.0012		0.00310	U	0.0025	U	0.058		0.0494	U	0.00130		0.1840	J	0.000462	U	0.000260	U	0.00470
02/28/20	20030047-01	0.00	J	12.0	J	0.0174	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0344	J	0.00469		0.2310	J	0.000527	U	0.000260	U	0.00470
02/29/20	20030048-01	0.00	J	10.0	J	0.0247	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0310	J	0.00468		0.2710	J	0.000507	U	0.000260	U	0.00470
03/01/20	20030118-01	0.00	U	6.1	J	0.0118	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0329	J	0.00359	B	0.1580	J	0.000385	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/02/20	20030242-01	0.00	J	7.8	J	0.0262	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0341	J	0.00343		0.2060	J	0.000292	U	0.000260	J	0.00580
03/03/20	20030243-01	0.00	U	6.1	J	0.0204	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0340	J	0.00331		0.2060	J	0.000238	U	0.000260	U	0.00470
03/04/20	20030321-01	0.02	J	7.8	U	0.0098	J	0.0037	U	0.00091	U	0.0025	U	0.058		0.0338	J	0.00239		0.5500	J	0.000285	U	0.000260	U	0.00470
03/05/20	20030577-01	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0286	J	0.00319		0.2090	J	0.000282	U	0.000260	J	0.00930
03/06/20	20030578-01	0.01	U	6.1	J	0.0262	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248	J	0.00334		0.5800	J	0.000756	U	0.000260	U	0.00470
03/07/20	20030582-01	0.00	J	12.0	J	0.0155	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0244	J	0.00273		0.2250	J	0.004970	U	0.000260	U	0.00470
03/08/20	20030585-01	0.00	J	12.0	J	0.0180	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247	J	0.00305		0.3000	J	0.000466	U	0.000260	U	0.00470
03/09/20	20030630-01	0.00	J	14.0	J	0.0247	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0334	J	0.00327		0.3910	J	0.000449	J	0.000425	U	0.00470
03/10/20	20030765-01	0.54	J	7.8	J	0.0124	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0304	J	0.00308		0.4230	J	0.000481	U	0.000260	U	0.00470
03/11/20	20030860-01	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00251		0.4090	J	0.000308	U	0.000260	U	0.00470
03/12/20	20031067-01	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00100	U	0.0025	U	0.058		0.0331		0.00640		0.6080	J	0.000566	U	0.000260	U	0.00470
03/13/20	20031068-01	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00447		0.1420	J	0.000294	U	0.000260	U	0.00470
03/14/20	20031070-01	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248	J	0.00437		0.1690	J	0.000274	U	0.000260	U	0.00470
03/15/20	20031147-01	0.02		24.0	U	0.0098	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0317		0.00509		0.2920	J	0.000418	U	0.000260	J	0.00542
03/16/20	20031244-01	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00382		0.1580	J	0.000276	U	0.000260	J	0.00506
03/17/20	20031337-01	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0289	J	0.00354		0.1770	J	0.000233	U	0.000260	U	0.00470
03/18/20	20031339-01	0.00	J	7.8	J	0.0130	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0278	J	0.00241		0.2270	J	0.000366	U	0.000260	U	0.00470
03/19/20	20031540-01	0.35	U	6.1	J	0.0226	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0311	J	0.00414		0.3910	J	0.000240	U	0.000260	U	0.00470
03/20/20	20031544-01	0.40	J	7.8		0.0365	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0338	J	0.00497		0.3190	J	0.000760	U	0.000260	J	0.00618
03/21/20	20031545-01	0.00	U	6.1	U	0.0098	J	0.0014	U	0.00091	U	0.0025	U	0.058		0.0290	J	0.00327		0.3740	J	0.000488	U	0.000260	U	0.00470
03/22/20	20031543-01	0.00	J	7.8	J	0.0105	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00305		3.3300	J	0.000431	U	0.000260	U	0.00470
03/23/20	20031590-01	0.00	J	7.8	J	0.0103	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00292		0.1740	J	0.000264	U	0.000260	U	0.00470
03/24/20	20031796-01	0.00	U	6.1	J	0.0117	U	0.0012	J	0.00640	U	0.0025	U	0.058		0.0253	J	0.00294		0.2850	J	0.000351	U	0.000260	U	0.00470
03/25/20	20031797-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0261	J	0.00261		0.1930	U	0.000220	U	0.000260	U	0.00470
03/26/20	20031912-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0310	J	0.00333		0.1470	J	0.000226	U	0.000260	U	0.00470
03/27/20	20031991-01	0.05	J	7.8	U	0.0098	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0394	J	0.00366		0.1770	J	0.000350	U	0.000260	U	0.00470
03/28/20	20031991-01	0.32	U	6.1	U	0.0098	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0307	J	0.00288		0.1600	U	0.000220	U	0.000260	U	0.00470
03/29/20	20032046-01	0.02	J	7.8	U	0.0098	J	0.0024	U	0.00091	U	0.0025	U	0.058		0.0442	J	0.00250		0.2550	U	0.000220	U	0.000260	U	0.00470
03/30/20	20032047-01	0.00	U	6.1	U	0.0098	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0363	J	0.00245		0.1630	U	0.000220	U	0.000260	U	0.00470
03/31/20	20040119-01	0.00	J	14.0	U	0.0098	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0307	J	0.00301		0.2940	J	0.000328	U	0.000260	U	0.00470
04/01/20	20040232-01	0.00	U	6.1	U	0.0098	J	0.0026	U	0.00091	U	0.0025	U	0.058		0.0315	J	0.00278		0.2480	J	0.000442	U	0.000260	U	0.00470
04/02/20	20040233-01	0.00	J	9.8	U	0.0098	J	0.0026	U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00356		0.1870	J	0.000416	U	0.000260	U	0.00470
04/03/20	20040349-01	0.00	U	6.1	U	0.0098		0.0055	U	0.00091	J	0.0025	J	0.070		0.0353	J	0.00340		0.1240	J	0.000242	U	0.000260	U	0.00470
04/04/20	20040351-01	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0307	J	0.00323		0.1360	J	0.000260	U	0.000260	U	0.00470
04/05/20	20040395-01	0.08	U	6.1	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0294	J	0.00184		0.1660	U	0.000220	U	0.000260	U	0.00470
04/06/20	20040517-01	0.00	U	6.1	U	0.0098	J	0.0014	J	0.00110	U	0.0025	U	0.058		0.0281	J	0.00242		0.0978	U	0.000220	J	0.000416	U	0.00470
04/07/20	20040519	0.63	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254	J	0.00328		0.1510	U	0.000220	U	0.000260	U	0.00470
04/08/20	20040712	0.21	U	6.1	U	0.0098	U	0.0012	J	0.00096	J	0.0027	U	0.058		0.0538	J	0.00412		0.0873	U	0.000220	U	0.000260	U	0.00470
04/09/20	20040715	0.14	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0368	J	0.00423		0.1220	U	0.000220	U	0.000260	U	0.00470
04/10/20	20040788	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100		0.0306	J	0.00272		0.1270	U	0.000220	U	0.000260	U	0.00470
04/11/20	20040789	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0295	J	0.00264		0.1300	J	0.000257	U	0.000260	U	0.00470
04/12/20	20040863	0.14	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00271		0.1080	U	0.000220	J	0.001650	U	0.00470
04/13/20	20040864	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00267		0.1570	U	0.000220	J	0.000518	U	0.00470
04/14/20	20040940	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	J	0.0040	U	0.058	J	0.0196		0.01730	U	0.0160	J	0.000227	U	0.000298	J	0.00101

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/15/20	20041045	0.00	J	7.8	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058	J	0.0172		0.00999	U	0.0160	J	0.000165	U	0.000298	J	0.00218
04/16/20	20041144	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0143		0.00547		0.0876	J	0.000158	U	0.000298	J	0.00195
04/17/20	20041218	0.00	J	12.0	U	0.0098	U	0.0012	J	0.00150	U	0.0025	J	0.060	U	0.0135		0.00743	U	0.0160	J	0.000184	U	0.000298	J	0.00203
04/18/20	20041219	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01250	U	0.0160	J	0.000168	U	0.000298	J	0.00215
04/19/20	20041270	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00864	U	0.0160	U	0.000148	U	0.000298	J	0.00184
04/20/20	20041309	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060	U	0.0135		0.00887	U	0.0160	J	0.000192	U	0.000298	J	0.00232
04/21/20	20041406	0.14	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0178		0.01050	U	0.0160	J	0.000305	U	0.000298	J	0.00233
04/22/20	20041484	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0165		0.00793	U	0.0160	J	0.000199	U	0.000298	J	0.00258
04/23/20	20041585	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0195		0.01380	U	0.0160	U	0.000148	U	0.000298	J	0.00231
04/24/20	20041647	0.00	U	6.1	U	0.0098	U	0.0012		0.00360	U	0.0025	U	0.058	J	0.0184		0.01460	U	0.0160	J	0.000173	U	0.000298	J	0.00323
04/25/20	20041695	0.20	J	7.8	U	0.0098	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0222	U	0.01600	U	0.0160	J	0.000209	U	0.000298	J	0.00350
04/26/20	20041758	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0202		0.01000	U	0.0160	U	0.000148	U	0.000298	J	0.00281
04/27/20	20041877	0.00	U	6.1	U	0.0098	J	0.0012	J	0.00180	U	0.0025	U	0.058		0.0229		0.01390	U	0.0160	J	0.000351	U	0.000298	J	0.00413
04/28/20	20041923	0.56	J	12.0	J	0.0217	U	0.0012	J	0.00170	U	0.0025	U	0.058	J	0.0198		0.01240	U	0.0160	J	0.000763	U	0.000298	J	0.00667
04/29/20	20041924	0.50	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0241		0.01030	U	0.0160	J	0.000421	U	0.000298	J	0.00312
04/30/20	20050037	1.06	J	7.8	J	0.0232	U	0.0012	U	0.00091	J	0.0030	U	0.058		0.0242		0.00615	U	0.0160	J	0.000594	U	0.000298	J	0.00347
05/01/20	20050131	0.04	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100		0.0250		0.00873	U	0.0160	J	0.000739	U	0.000298	J	0.00479
05/02/20	20050132	0.00	J	7.8	U	0.0098	U	0.0012		0.00300	U	0.0025	J	0.080		0.0210		0.01330	U	0.0160	J	0.000839	U	0.000298	J	0.00518
05/03/20	20050162	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080	J	0.0200		0.00809	U	0.0160	J	0.000478	U	0.000298	J	0.00401
05/04/20	20050372	0.00	J	9.8	U	0.0098	J	0.0014	U	0.00091	U	0.0025	U	0.058	J	0.0192		0.01690	U	0.0160	J	0.000641	U	0.000298	J	0.00538
05/05/20	20050373	0.05	J	7.8	J	0.0170	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0194		0.01020	U	0.0160	J	0.000520	U	0.000298	J	0.00363
05/06/20	20050757	0.16	J	16.0	U	0.0098	U	0.0012	J	0.00110	U	0.0025	U	0.058	U	0.0135		0.01060	U	0.0160	J	0.000390	U	0.000298	J	0.00363
05/07/20	20050576	0.00	J	12.0	J	0.0169	J	0.0018	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00786	U	0.0160	J	0.000314	U	0.000298	J	0.00765
05/08/20	20050711	0.00	J	14.0	J	0.0162	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0166		0.01110	U	0.0160	J	0.000365	U	0.000298	J	0.00376
05/09/20	20050712	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0174		0.00875	U	0.0160	J	0.000286	U	0.000298	J	0.00278
05/10/20	20050713	0.00	J	14.0	U	0.0098	U	0.0012	J	0.00110	U	0.0025	U	0.058	J	0.0149		0.00603	U	0.0160	J	0.000317	U	0.000298	J	0.00265
05/11/20	20050774	0.25	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100	J	0.0159		0.01710	J	0.0333	J	0.000500	U	0.000298	J	0.00507
05/12/20	20050925	0.00	J	18.0	J	0.0139	U	0.0012		0.00260	U	0.0025		0.100	J	0.0153		0.01290	U	0.0160	J	0.000246	U	0.000298	J	0.00314
05/13/20	20051040	0.00	J	18.0	U	0.0098	J	0.0013	J	0.00140	U	0.0025	U	0.058	J	0.0194		0.00716	U	0.0160	J	0.000180	U	0.000298	J	0.00235
05/14/20	20051126	0.10	J	14.0	J	0.0124	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0216		0.02020	U	0.0160	J	0.000411	U	0.000298	J	0.00520
05/15/20	20051208	3.05	J	7.8	U	0.0098	U	0.0012		0.00270	J	0.0026	U	0.058		0.0292		0.01480	U	0.0160	J	0.000621	U	0.000298	J	0.00669
05/16/20	20051210	0.07	J	7.8	J	0.0142	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240		0.00886	U	0.0160	J	0.000245	U	0.000298	J	0.00461
05/17/20	20051282	0.18	J	14.0	U	0.0098	U	0.0012	J	0.00130	U	0.0025	U	0.058		0.0306		0.01000	U	0.0160	J	0.000241	U	0.000298	J	0.00887
05/18/20	20051351	0.72	J	9.8	U	0.0098	U	0.0012		0.00220	U	0.0025	U	0.058	J	0.0197		0.01270	U	0.0160	J	0.000218	U	0.000298	J	0.00437
05/19/20	20051440	0.14	J	9.8	U	0.0098	J	0.0023	J	0.00170	U	0.0025	J	0.080	J	0.0195		0.00724	U	0.0160	J	0.000246	U	0.000298	J	0.00404
05/20/20	20051577	0.02	U	6.1	U	0.0098	U	0.0012	J	0.00180	U	0.0025	J	0.080		0.0239		0.01110	U	0.0160	J	0.000267	U	0.000298	J	0.00326
05/21/20	20051697	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00093	J	0.0026	U	0.058		0.0238		0.00931	U	0.0160	J	0.000179	U	0.000298	J	0.00468
05/22/20	20051760	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091		0.0080	J	0.080	J	0.0186		0.01930	U	0.0160	U	0.000148	U	0.000298	J	0.00284
05/23/20	20051761	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	J	0.0052	U	0.058	J	0.0185		0.01450	U	0.0160	J	0.000258	U	0.000298	J	0.00493
05/24/20	20051762	2.55	J	9.8	U	0.0098	U	0.0012	U	0.00091	J	0.0026	U	0.058		0.0201		0.00735	U	0.0160	U	0.000148	U	0.000298	J	0.00293
05/25/20	20051819	0.54	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0217		0.00622	U	0.0160	J	0.000194	U	0.000298	J	0.00472
05/26/20	20051890	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0200		0.00894	U	0.0160	U	0.000148	U	0.000298	J	0.00157
05/27/20	20052025	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0239		0.01050	U	0.0160	U	0.000148	U	0.000298	J	0.00198
05/28/20	20052124	0.35	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0213		0.00688	U	0.0160	U	0.000148	U	0.000298	J	0.00224

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																									
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
05/29/20	20052163	0.82	U	6.1	U	0.0098	U	0.0012	J	0.00099	U	0.0025	U	0.058		0.0202		0.00780	U	0.0160	U	0.000148	U	0.000298	J	0.00320
05/30/20	20052164	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0199		0.01660	U	0.0160	J	0.000161	U	0.000298	J	0.00446
05/31/20	20060153	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0228		0.00849	U	0.0160	U	0.000148	U	0.000298	J	0.00362
06/01/20	20060541	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0228		0.00647	U	0.0160	U	0.000148	U	0.000298	J	0.00132
06/02/20	20060292	0.00	J	14.0	U	0.0098	U	0.0012	J	0.00110		0.0100	U	0.058		0.0248		0.00763	U	0.0160	U	0.000148	U	0.000298	J	0.00421
06/03/20	20060386	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0063	J	0.090		0.0249		0.01580	U	0.0160	U	0.000148	U	0.000298	J	0.00374
06/04/20	20060548	0.00	U	6.1	U	0.0098	U	0.0012		0.00260		0.0068	U	0.058		0.0293		0.00756	U	0.0160	U	0.000148	U	0.000298	J	0.00288
06/05/20	20060683	0.00	U	6.1	J	0.0108		0.0051	U	0.00091	J	0.0037	U	0.058		0.0253		0.00515	U	0.0160	U	0.000148	U	0.000298	J	0.00225
06/06/20	20060684	0.00	J	8.0	U	0.0098	U	0.0012	J	0.00094	J	0.0037	U	0.058		0.0228		0.00746	U	0.0160	U	0.000148	U	0.000298	J	0.00264
06/07/20	20060771	0.00	U	6.1	U	0.0098	J	0.0028	U	0.00091	J	0.0042	U	0.058		0.0306		0.00585	U	0.0160	U	0.000148	U	0.000298	J	0.00456
06/08/20	20060772	0.00		22.0	U	0.0098	U	0.0012		0.00340		0.0140	U	0.058		0.0267		0.01000	U	0.0160	U	0.000148	U	0.000298	J	0.00485
06/09/20	20060879	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.130		0.0274	J	0.00488	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/10/20	20061015	0.04	U	6.1	U	0.0098	J	0.0045	U	0.00091	U	0.0025	U	0.058		0.0260		0.00737	U	0.0160	U	0.000148	U	0.000298	J	0.00235
06/11/20	20061126	0.05	J	10.0	U	0.0098	U	0.0012	J	0.00150	U	0.0025	U	0.058		0.0329		0.00716	U	0.0160	J	0.000238	U	0.000298	U	0.00101
06/12/20	20061189	0.00	J	10.0	U	0.0098	J	0.0037	U	0.00091	U	0.0025	U	0.058		0.0243		0.00951	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/13/20	20061191	0.09	J	8.0	U	0.0098	U	0.0012		0.00280	U	0.0025	U	0.058		0.0226		0.01560	U	0.0160	J	0.000154	U	0.000298	U	0.00101
06/14/20	20061255	0.00	J	12.0	U	0.0098	J	0.0016	J	0.00190	U	0.0025	U	0.058		0.0259		0.01110	U	0.0160	J	0.000222	U	0.000298	J	0.00348
06/15/20	20061383	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0306		0.01100	U	0.0160	U	0.000148	U	0.000298	J	0.00180
06/16/20	20061443	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0255		0.00860	U	0.0160	U	0.000148	U	0.000298	J	0.00228
06/17/20	20061565	0.00	J	12.0	U	0.0098	J	0.0031	U	0.00091	U	0.0025	U	0.058	B	0.0286	J	0.00305	U	0.0160	U	0.000148	U	0.000298	J	0.00151
06/18/20	20061662	0.00	U	6.1	U	0.0098	J	0.0013	U	0.00091	J	0.0030	U	0.058	B	0.0343		0.02450	U	0.0160	U	0.000148	U	0.000298	J	0.00306
06/19/20	20061876	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0338		0.01090	U	0.0160	U	0.000148	U	0.000298	J	0.00129
06/20/20	20061877	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0257		0.01820	U	0.0160	U	0.000148	U	0.000298	J	0.00283
06/21/20	20061878	0.03	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0260		0.02080	U	0.0160	U	0.000148	U	0.000298	J	0.00285
06/22/20	20061904	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0272		0.01240	U	0.0160	U	0.000148	U	0.000298	J	0.00216
06/23/20	20062062	1.48	J	14.0	U	0.0098	U	0.0012	U	0.00091	J	0.0037	U	0.058	B	0.0234		0.01920	U	0.0160	U	0.000148	U	0.000298	J	0.00375
06/24/20	20062141	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0239		0.01450	U	0.0160	U	0.000148	U	0.000298	J	0.00243
06/25/20	20062280	0.92	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.00840	U	0.0160	U	0.000148	U	0.000298	J	0.00270
06/26/20	20062337	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091		0.0089	U	0.058		0.0279		0.01690	U	0.0160	J	0.000265	U	0.000298	J	0.00506
06/27/20	20062338	1.05	J	8.0	U	0.0098	U	0.0012	U	0.00091	J	0.0043	U	0.058		0.0250		0.01240	U	0.0160	J	0.000149	U	0.000298	J	0.00286
06/28/20	20062421	0.00	U	6.1	U	0.0098	J	0.0030	U	0.00091	U	0.0025	U	0.058		0.0287		0.00755	U	0.0160	U	0.000148	U	0.000298	J	0.00271
06/29/20	20062569	0.00	J	9.5	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0253		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00404
06/30/20	20060043	0.02	J	7.3	U	0.0098	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0244		0.00831	U	0.0160	U	0.000148	U	0.000298	J	0.00264
07/01/20	20070160	0.00	J	7.3	U	0.0098	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0243		0.01920	U	0.0160	U	0.000148	U	0.000298	J	0.00264
07/02/20	20070206	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0225		0.01490	U	0.0160	U	0.000148	U	0.000298	J	0.00382
07/03/20	20070241	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0303		0.00922	U	0.0160	U	0.000148	U	0.000298	J	0.00359
07/04/20	20070242	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252		0.01010	U	0.0160	U	0.000148	U	0.000298		0.02060
07/05/20	20070322	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0286		0.01510	U	0.0160	U	0.000148	U	0.000298	J	0.00424
07/06/20	20070365	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0231		0.01460	U	0.0160	U	0.000148	U	0.000298	J	0.00394
07/07/20	20070492	0.00	J	12.0	U	0.0098	J	0.0026		0.00230	U	0.0025	U	0.058		0.0234		0.00897	U	0.0160	U	0.000148	U	0.000298	J	0.00165
07/08/20	20070584	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0258		0.01050	U	0.0160	U	0.000148	U	0.000298	J	0.00175
07/09/20	20070710	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0287	J	0.00371	U	0.0160	U	0.000148	U	0.000298	J	0.00142
07/10/20	20070780	0.20	U	6.1	U	0.0098		0.0055	J	0.00130	U	0.0025	U	0.058		0.0254		0.01480	U	0.0160	J	0.000199	U	0.000298	J	0.00254
07/11/20	20070781	0.90	U	6.1	U	0.0098	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0252		0.01650	U	0.0160	U	0.000148	U	0.000298	J	0.00191

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																									
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
07/12/20	20070856	0.07	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284		0.01430	U	0.0160	J	0.000222	U	0.000298	J	0.00393
07/13/20	20070924	0.00	J	12.0		0.0460	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0283		0.00798	J	0.0237	J	0.000328	U	0.000298	J	0.00459
07/14/20	20071022	0.00	J	14.0		0.0444	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0252		0.01330	U	0.0160	J	0.000297	U	0.000298	J	0.00419
07/15/20	20071101	0.00	No Access to Sample Location / Blast Furnace Idle																							
07/16/20	20071238	0.95	No Access to Sample Location / Blast Furnace Idle																							
07/17/20	20071342	0.00	J	14.0		0.0449	J	0.0014	U	0.00091	J	0.0036	U	0.058		0.0320		0.00830	U	0.0160	J	0.000184	U	0.000298	J	0.00257
07/18/20	20071343	0.00	U	6.1		0.0497	U	0.0012	U	0.00091	J	0.0037	U	0.058		0.0267		0.01340	U	0.0160	U	0.000148	U	0.000298	J	0.00241
07/19/20	20071487	0.00	U	6.1	U	0.0098	J	0.0033	U	0.00091	U	0.0025	U	0.058		0.0229		0.01060	U	0.0470	U	0.000220	U	0.000260	J	0.00392
07/20/20	20071619	0.45	U	6.1	J	0.0205	U	0.0012		0.00330	U	0.0025	U	0.058		0.0219		0.01170	U	0.0470	U	0.000220	U	0.000260	J	0.00305
07/21/20	20071734	0.00	J	9.5	J	0.0270	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0214		0.00786	U	0.0160	U	0.000220	U	0.000260	J	0.00535
07/22/20	20071834	0.12	U	6.1	J	0.0207	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254		0.02070	U	0.0160	U	0.000148	U	0.000298	U	0.00101
07/23/20	20071980	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0308		0.01030	U	0.0160	U	0.000148	U	0.000298	J	0.00299
07/24/20	20071981	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275		0.01000	U	0.0160	U	0.000148	U	0.000298	J	0.00621
07/25/20	20071979	0.00	J	7.3	J	0.0152	U	0.0012		0.00510	U	0.0025	U	0.058		0.0277		0.02150	U	0.0160	U	0.000148	U	0.000298	J	0.00476
									J	0.00130																
07/26/20	20071982	0.00	U	6.1	J	0.1100	U	0.0012		0.00460	U	0.0025	U	0.058		0.0219		0.00758	U	0.0160	U	0.000148	U	0.000298	J	0.00219
									U	0.00091																
07/27/20	20071983	0.08	U	6.1		0.0457	U	0.0012	J	0.00160	U	0.0025	U	0.058		0.0288		0.01010	U	0.0160	U	0.000148	U	0.000053	U	0.00101
									U	0.00091																
07/28/20	20072274	0.15	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0243		0.00723	U	0.0160	U	0.000148	U	0.000298	J	0.00168
07/29/20	20072368	0.00	U	6.1	J	0.0205	U	0.0012		0.00200	U	0.0025	J	0.080		0.0229		0.00648	U	0.0160	U	0.000148	U	0.000298	J	0.00217
07/30/20	20080101	0.00	J	7.8	J	0.0300	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254		0.01270	U	0.0160	J	0.000668	U	0.000298	J	0.00472
07/31/20	[2]	0.00		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
08/01/20	20080102	0.00	J	7.8	J	0.0300	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0236		0.01750	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/02/20	20080103	0.60	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.01570	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/03/20	20080104	0.65		20.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0230		0.00926	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/04/20	20080291	0.44	J	9.5	J	0.0253	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0268	J	0.00203	U	0.0160	J	0.000165	U	0.000298	U	0.00101
08/05/20	20080293	0.00	J	9.5	J	0.0206	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00167	U	0.0160	J	0.000214	U	0.000298	U	0.00101
08/06/20	20080403	0.01	J	7.8	J	0.0122	U	0.0012	J	0.00098	U	0.0025	U	0.058		0.0251		0.01200	J	0.0675	J	0.000192	U	0.000298	J	0.00119
08/07/20	20080507	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00464	J	0.0504	J	0.000157	U	0.000298	U	0.00101
08/08/20	20080568	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0251		0.00935	U	0.0160	J	0.000335	U	0.000298	J	0.00918
08/09/20	20080569	0.00	U	6.1	J	0.0265	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0224		0.00844	U	0.0160	U	0.000148	U	0.000298	J	0.00244
08/10/20	20080646	0.02	U	6.1	J	0.0160	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0241		0.01050	U	0.0160	U	0.000148	U	0.000298	J	0.00156
08/11/20	20080755	0.34	J	9.5	J	0.0263	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0230		0.00740	U	0.0160	U	0.000148	U	0.000298	J	0.00260
									U	0.00091																
08/12/20	20080862	0.00	J	16.0	U	0.0098	J	0.0013	U	0.00091	U	0.0025	J	0.060		0.0248		0.00533	U	0.0160	J	0.001460	U	0.000298		0.01310
08/13/20	20081229	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240	J	0.00425	U	0.0160	U	0.000148	U	0.000298	J	0.00180
08/14/20	20081162	0.00	J	16.0	J	0.0129	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0224	J	0.00412	U	0.0160	U	0.000148	U	0.000298	J	0.00245
08/15/20	20081163	0.00	J	12.0	J	0.0238	U	0.0012	J	0.00190	U	0.0025	U	0.058		0.0239		0.01180	U	0.0160	J	0.000203	U	0.000298	J	0.00281
08/16/20	20081164	0.00	J	18.0	J	0.0126	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0264		0.00686	U	0.0160	J	0.000192	U	0.000298	J	0.00285
08/17/20	20081303	0.00	J	14.0	J	0.0204	U	0.0012	U	0.00091	U	0.0025		0.058		0.0251		0.00611	U	0.0160	J	0.000174	U	0.000298	J	0.00420
08/18/20	20081407	0.00	J	7.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0246		0.00994	U	0.0160	U	0.000148	U	0.000298	J	0.00201
08/19/20	20081515	0.00	J	7.1		0.0623	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276		0.00719	U	0.0160	U	0.000148	U	0.000298	J	0.00127
08/20/20	20081619	0.00	J	7.1		0.0574	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0249		0.00717	U	0.0160	U	0.000148	U	0.000298	U	0.00101

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
08/21/20	20081753	0.00	J	11.0	J	0.0151	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.01830	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/22/20	20081864	0.00	J	7.1	J	0.0208	J	0.0014	U	0.00091	J	0.0034	U	0.058		0.0247		0.00866	U	0.0160	U	0.000148	U	0.000298	J	0.00427
08/23/20	20081865	0.00	J	11.0	J	0.0190	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0235		0.00774	U	0.0160	U	0.000148	U	0.000298	J	0.00349
08/24/20	20081911	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00091	J	0.0027	U	0.058		0.0266		0.00979	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/25/20	20081988	0.00	J	9.2	J	0.0190	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0235		0.01700	U	0.0160	U	0.000148	U	0.000298	J	0.00446
08/26/20	20082077	0.00	J	9.2	J	0.0283	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0242		0.01460	U	0.0160	U	0.000148	U	0.000298	J	0.00432
08/27/20	20082224	0.00	J	9.2	J	0.0298	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0280		0.00847	U	0.0160	U	0.000148	U	0.000298	J	0.00238
08/28/20	20082305	0.00	J	9.2	J	0.0259	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0253		0.00984	U	0.0160	U	0.000148	U	0.000298	J	0.00238
08/29/20	20082446	0.02	J	9.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.01260	U	0.0160	U	0.000148	U	0.000298	J	0.00117
08/30/20	20082447	0.00	U	6.1	J	0.0269	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254		0.00722	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/31/20	20082488	0.00	U	6.1	J	0.0150	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288		0.01570	U	0.0160	J	0.000153	U	0.000298	U	0.00101
09/01/20	20090055	0.00	J	9.2	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0229		0.00580	U	0.0160	U	0.000148	U	0.000298	J	0.00161
09/02/20	20090196	0.48	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00237
09/03/20	20090292	0.00	U	6.1	U	0.0098	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0226		0.00559	U	0.0160	U	0.000148	U	0.000298	J	0.00130
09/04/20	20090472	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0245		0.00625	U	0.0160	U	0.000148	U	0.000298	U	0.00101
09/05/20	20090643	0.00	J	7.1		0.0354	U	0.0012	U	0.00091	J	0.0033	U	0.058		0.0282		0.00814	J	0.0172	J	0.000167	U	0.000298	J	0.00352
09/06/20	20090645	0.08	U	6.1	J	0.0210	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0273		0.00549	U	0.0160	J	0.000173	U	0.000053	J	0.00181
09/07/20	20090647	0.18	J	9.2	J	0.0120	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0261		0.01370	U	0.0160	J	0.001200	U	0.000298	J	0.00823
09/08/20	20090649	0.73	U	6.1		0.0329	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0269		0.02120	U	0.0160	J	0.000191	U	0.000298	J	0.00259
09/09/20	20090693	0.42	U	6.1	J	0.0246	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0233		0.01030	U	0.0160	J	0.000206	U	0.000298	J	0.00144
09/10/20	20090834	0.01	U	6.1	J	0.0176	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0245		0.00930	U	0.0160	J	0.000171	U	0.000298	J	0.00451
09/11/20	20091039	0.02	J	11.0	U U	0.0098 0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0242		0.01840	U	0.0160	J	0.000226	U	0.000298	J	0.00789
09/12/20	20091040	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0266		0.01310	U	0.0160	J	0.000178	U	0.000298	J	0.00320
09/13/20	20091041	0.26	U	6.1	J	0.0126	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250		0.01500	U	0.0160	J	0.000205	U	0.000298	J	0.00139
09/14/20	20091133	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0259	J	0.00498	U	0.0160	U	0.000148	U	0.000298	J	0.00484
09/15/20	20091236	0.00	J	14.0	U	0.0098	U	0.0011	U	0.00091	U	0.0025	U	0.058		0.0249		0.00992	U	0.0160	U	0.000148	U	0.000298	J	0.00542
09/16/20	20091353	0.00	J	14.0	U	0.0098	J	0.0012	U	0.00091	U	0.0025	U	0.058		0.0269		0.02620	U	0.0160	J	0.000762	U	0.000298	J	0.00965
09/17/20	20091473	0.00	J	9.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.01230	U	0.0160	J	0.000148	U	0.000298	J	0.00557
09/18/20	20091539	0.00	J	14.0	J	0.0192	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0278		0.01680	U	0.0160	J	0.000172	U	0.000298	J	0.00778
09/19/20	20091703	0.00		31.0	J	0.0177	J	0.0015	J	0.00130	J	0.0030	U	0.058		0.0270		0.00971	U	0.0160	U	0.000148	U	0.000298	J	0.00887
09/20/20	20091704	0.00	U	6.1	U	0.0098	J	0.0018	U	0.00091	J	0.0036	U	0.058		0.0276		0.01660	U	0.0160	J	0.000166	U	0.000298	J	0.00912
09/21/20	20091705	0.00	U	6.1		0.0378	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0278		0.01210	U	0.0160	J	0.000249	U	0.000298		0.01000
09/22/20	20091827	0.00	U	6.1	J	0.0118	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0258		0.00888	U	0.0160	U	0.000148	U	0.000298	J	0.00355
09/23/20	20091957	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257		0.00966	U	0.0160	U	0.000148	U	0.000298	J	0.00215
09/24/20	20092108	0.00	U	6.1		0.0479	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.01490	U	0.0160	U	0.000148	U	0.000298	J	0.00189
09/25/20	20092243	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0244		0.00965	U	0.0160	U	0.000148	U	0.000298	J	0.00212
09/26/20	20092380	0.00	J	9.6	J	0.0239	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262		0.00833	U	0.0470	U	0.000148	U	0.000298	J	0.00220
09/27/20	20092381	0.00	J	12.0	J	0.0191	U	0.0012	U	0.00091	J	0.0033	U	0.058		0.0232		0.00929	U	0.0470	U	0.000148	U	0.000298	J	0.00213
09/28/20	20092382	0.20	J	7.6	J	0.0123	U	0.0012	J	0.00160	U	0.0025	U	0.058		0.0247	J	0.00275	U	0.0470	U	0.000220	U	0.000260	J	0.00294
09/29/20	20092512	0.27	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262	J	0.00155	U	0.0470	U	0.000220	U	0.000260	U	0.00220
09/30/20	20092619	0.00	J	7.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0259	J	0.00207	U	0.0470	U	0.000220	U	0.000260	J	0.00360
10/01/20	20100173	0.00	J	12.0	J	0.0202	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0286	J	0.00241	U	0.0470	U	0.000220	U	0.000260	U	0.00220
10/02/20	20100229	0.64	J	9.6		0.0432	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00198	J	0.0641	U	0.000220	U	0.000260	U	0.00220

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/03/20	20100393	0.00	J	9.6	J	0.0146	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0378	U	0.00099		0.1270	U	0.000220	U	0.000260	J	0.00439
10/04/20	20100394	0.40	J	14.0	J	0.0192	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0291	U	0.00099	U	0.0470	U	0.000220	U	0.000260	J	0.00418
10/05/20	20100490	0.02	J	9.6	J	0.0159	U	0.0012	J	0.00210	U	0.0025	U	0.058		0.0310	J	0.00111	U	0.0470	U	0.000220	U	0.000260	J	0.00249
10/06/20	20100512	0.00	J	7.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250		0.01050	J	0.0232	J	0.000194	U	0.000298		0.02050
10/07/20	20100640	0.00	J	9.6	J	0.0184	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0230		0.00575	U	0.0160	U	0.000148	U	0.000298	U	0.00101
10/08/20	20100924	0.00	J	7.6		0.0331	U	0.0012	J	0.00180	U	0.0025	J	0.070		0.0274		0.01250	U	0.0160	U	0.000148	U	0.000298	J	0.00164
10/09/20	20100988	0.00	J	7.6	J	0.0205	U	0.0012	J	0.00130	J	0.0025	J	0.080		0.0245		0.00738	U	0.0160	U	0.000148	U	0.000147	J	0.00200
10/10/20	20100989	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0261		0.01560	J	0.0312	U	0.000148	U	0.000147	J	0.00280
10/11/20	20101078	0.00	J	7.6	J	0.0258	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0232		0.00714	J	0.0640	U	0.000148	U	0.000147	J	0.00212
10/12/20	20101154	0.00	J	9.6	J	0.0168	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275		0.02260	U	0.0160	U	0.000148	U	0.000147	J	0.00370
10/13/20	20101285	0.14	J	9.6	J	0.0231	J	0.0014	U	0.00091	U	0.0025	U	0.058		0.0240		0.00958	U	0.0160	U	0.000148	U	0.000147	J	0.00215
10/14/20	20101345	0.00	U	6.1	J	0.0131	J	0.0027	U	0.00091	U	0.0025	U	0.058		0.0237		0.01430	U	0.0160	U	0.000148	U	0.000147	J	0.00278
10/15/20	20101461	0.04	J	7.6		0.0366	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0236		0.01340	U	0.0160	U	0.000148	U	0.000147	J	0.00301
10/16/20	20101596	0.00	J	7.6	J	0.0186	U	0.0012	J	0.00100	U	0.0025	U	0.058		0.0276		0.00679	J	0.0419	J	0.000155	U	0.000147	J	0.00328
10/17/20	20101683	0.00	J	12.0	J	0.0104	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250		0.00642	U	0.0160	U	0.000148	U	0.000147	J	0.00199
10/18/20	20101684	0.00	J	9.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0268		0.01660	U	0.0160	U	0.000148	U	0.000147	J	0.00365
10/19/20	20101720	0.30	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100		0.0292		0.01940	U	0.0160	U	0.000148	U	0.000147	J	0.00325
10/20/20	20101810	0.04	J	14.0	J	0.0243	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0306		0.01520	U	0.0160	U	0.000148	U	0.000147	J	0.00183
10/21/20	20101968	0.17	J	9.6	J	0.0301	J	0.0022	J	0.00120	U	0.0025	J	0.060		0.0291		0.02050	J	0.0194	J	0.000177	U	0.000147	J	0.00355
10/22/20	20102072	0.62	J	9.6		0.0334	U	0.0012	J	0.00150	U	0.0025	J	0.060		0.0268		0.02260	U	0.0160	U	0.000148	U	0.000147	J	0.00671
10/23/20	20102241	0.00	J	14.0	J	0.0178	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0255		0.03540	U	0.0160	J	0.000176	U	0.000147	J	0.00311
10/24/20	20102312	0.32	J	14.0		0.0364	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0247		0.02730	U	0.0160	J	0.000213	U	0.000147	J	0.00533
10/25/20	20102313	0.03	J	12.0	J	0.0228	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0247		0.02040	U	0.0160	J	0.000306	U	0.000147	J	0.00601
10/26/20	20102317	0.08	J	9.6		0.0378	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262		0.01670	J	0.0301	J	0.000207	U	0.000147	J	0.00290
10/27/20	20102394	0.12	J	14.0		0.0392	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0263		0.01280	J	0.0257	J	0.000208	U	0.000147	J	0.00469
10/28/20	20102493	0.10	J	9.6		0.0503	J	0.0017	U	0.00091	U	0.0025	U	0.058		0.0295		0.02100	J	0.0173	J	0.000176	U	0.000147	J	0.00383
10/29/20	20102761	0.00	J	12.0		0.0605	J	0.0014	U	0.00091	U	0.0025	J	0.070		0.0296		0.01070	U	0.0160	J	0.000707	U	0.000147	J	0.00590
10/30/20	20102866	0.03	J	7.6	U	0.0098	J	0.0016	U	0.00091	U	0.0025	J	0.060		0.0273		0.00922	J	0.0175	J	0.000228	U	0.000147	J	0.00635
10/31/20	20110083	0.00	U	6.1	J	0.0136	J	0.0031	U	0.00091	U	0.0025	J	0.070		0.0260	J	0.00454	U	0.0160	J	0.000294	U	0.000147	J	0.00836
11/01/20	20110084	0.00	U	6.1		0.0681	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0237	J	0.00495	J	0.0360	J	0.000299	U	0.000147		0.01100
11/02/20	20110096	0.00	J	7.6	U	0.0098	J	0.0024	U	0.00091	U	0.0025	J	0.060		0.0242		0.00618	J	0.0260	J	0.000239	U	0.000147	J	0.00891
11/03/20	20440240	0.00	J	7.6		0.0337	U UH	0.0012 0.0012	 J U	0.00400 0.00110 0.00091	U	0.0025	J	0.060		0.0238		0.01560	J	0.0163	J	0.000298	U	0.000147	J	0.00295
11/04/20	20110397	0.00	J	12.0	U	0.0098	 U	0.0058 0.0012	U	0.00091	U	0.0025	U	0.058		0.0266		0.01860	J	0.0363	J	0.000198	U	0.000147	J	0.00337
11/05/20	20110555	0.00	J	12.0	J	0.0117	J	0.0012	U	0.00091	J	0.0039	U	0.058		0.0303		0.01980	U	0.0160	J	0.000177	U	0.000147	J	0.00331
11/06/20	20110645	0.00	J	7.6	J	0.0228	J	0.0020	U	0.00091		0.0065	U	0.058		0.0285		0.01610	J	0.0245	J	0.000159	U	0.000147	J	0.00320
11/07/20	20110769	0.00	J	12.0	J	0.0191	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0262		0.00629	J	0.0300	U	0.000148	U	0.000147	J	0.00190
11/08/20	20110770	0.00	J	9.6		0.0519	J	0.0014	U	0.00091		0.0064		0.100		0.0251		0.01300	J	0.0233	U	0.000148	U	0.000147	J	0.00196
11/09/20	20110771	0.00	J	7.6	J	0.0164	J	0.0012	U	0.00091	U	0.0025		0.100		0.0267		0.02660	J	0.0177	U	0.000148	U	0.000147	J	0.00254
11/10/20	20110925	0.00	J	12.0	J	0.0299	J	0.0018	U	0.00091	U	0.0025	J	0.060		0.0241		0.01550	U	0.0160	U	0.000148	U	0.000147	J	0.00229
11/11/20	20111072	0.33	J	7.6		0.0323	U	0.0012	U	0.00091	U	0.0025		0.058		0.0317		0.00795	U	0.0160	U	0.000148	U	0.000147	J	0.00168
11/12/20	20111129	0.00	U	6.1	J	0.0246	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276		0.01090	U	0.0160	U	0.000148	U	0.000147	J	0.00172

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																							
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
11/13/20	20111261	0.05	J	7.6	J	0.0106	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0274		0.01410	U	0.0160	U	0.000148	U	0.000147	J	0.00352
11/14/20	20111473	0.00	J	12.0	J	0.0221	J	0.0017	J	0.00120	U	0.0025	U	0.058		0.0285		0.01450	J	0.0226	U	0.000148	U	0.000147	J	0.00184
11/15/20	20111479	0.31	J	7.6	J	0.0115	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271		0.01110	U	0.0160	U	0.000148	U	0.000147	J	0.00116
11/16/20	20111480	0.03	J	7.6		0.0328	U	0.0012	U	0.00091	U	0.0060	U	0.058		0.0254		0.01020	J	0.0264	J	0.000190	U	0.000147	J	0.00227
11/17/20	20111560	0.00	U	6.1	J	0.0164	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0268		0.01070	U	0.0160	U	0.000148	U	0.000147	J	0.00155
11/18/20	20111718	0.00	J	14.0	J	0.0202	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0261		0.02080	U	0.0160	J	0.000187	U	0.000147	J	0.00275
11/19/20	20111767	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0271		0.00982	U	0.0160	J	0.000195	U	0.000147	J	0.00442
11/20/20	20111892	0.00	J	9.6	J	0.0243	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0265	J	0.00285	J	0.0181	U	0.000148	U	0.000147	J	0.00187
11/21/20	20112026	0.00	J	9.6	J	0.0239	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0263	J	0.00250	U	0.0160	U	0.000148	U	0.000147	U	0.00101
11/22/20	20112027	0.10	J	9.6	J	0.0260	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0260		0.01890	U	0.0160	U	0.000148	U	0.000147	J	0.00273
11/23/20	20112153	0.08	J	7.6		0.0519	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0250		0.01440	U	0.0160	U	0.000148	U	0.000147	J	0.00127
11/24/20	20112178	0.15	J	14.0	U	0.0098	J	0.0014	U	0.00091	U	0.0025	J	0.080		0.0291		0.02080	U	0.0160	J	0.000930	U	0.000147	J	0.00961
11/25/20	20112286	0.22	J	9.6	J	0.0145	J	0.0030	U	0.00091	U	0.0025	J	0.070		0.0288		0.01920	U	0.0160	U	0.000148	U	0.000147	J	0.00438
11/26/20	20112341	0.23	J	7.6	U	0.0098	J	0.0039	U	0.00091	U	0.0025	J	0.070		0.0238		0.01280	U	0.0160	U	0.000148	U	0.000147	J	0.00112
11/27/20	20112352	0.00	J	7.6	J	0.0232	J	0.0016	U	0.00091	U	0.0025	J	0.080		0.0291		0.00887	J	0.0192	U	0.000148	U	0.000147	U	0.00101
11/28/20	20112466	0.00	J	18.0	J	0.0260	U	0.0012		0.00540 0.00630	U	0.0025	J	0.080		0.0304		0.00844	U	0.0160	U	0.000148	U	0.000147	J	0.00149
11/29/20	20112448	0.00	U	6.1	J	0.0115	U	0.0012	J	0.00170	U	0.0025	J	0.070		0.0259		0.01040	U	0.0160	U	0.000148	U	0.000147	U	0.00101
11/30/20	20112450	0.00	J	9.6	U	0.0098	U	0.0012	J	0.00170	U	0.0025	J	0.070		0.0243		0.00994	U	0.0160	U	0.000148	U	0.000147	J	0.00189
12/01/20	20120059	0.03	J	9.6	J	0.0193	U	0.0012	J	0.00380 0.00170	U	0.0025	J	0.060		0.0294		0.00706		0.1330	J	0.000251	U	0.000147	J	0.00182
12/02/20	20120145	0.00	J	11.0		0.0377	U	0.0012	J	0.00560 0.00170	U	0.0025	J	0.060		0.0276		0.01710		0.3150	J	0.000737	U	0.000147		0.01250
12/03/20	20120306	0.00	J	11.0	J	0.0183	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0291		0.01170		0.1220	J	0.000478	U	0.000147	J	0.00342
12/04/20	20120409	0.00	J	8.7		0.0349	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0258		0.01540		0.1760	J	0.000335	U	0.000335	J	0.00358
12/05/20	20120562	0.00	J	13.0	U	0.0098	U	0.0012	J	0.00170	U	0.0025	J	0.070		0.0284		0.00899	J	0.0192	J	0.000290	U	0.000147	J	0.00263
12/06/20	20120563	0.02	J	8.7		0.0327	U	0.0012	J	0.00200	U	0.0025	J	0.080		0.0266		0.01080	J	0.0263		0.000350	U	0.000053	J	0.00296
12/07/20	20120564	0.00	J	15.0		0.0435	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0255		0.01710		0.2290	J	0.000448	U	0.000147	J	0.00323
12/08/20	20120682	0.00	J	13.0	J	0.0200	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0263		0.00525		0.1170	J	0.000347	U	0.000147	J	0.00183
12/09/20	20120806	0.00	J	17.0		0.0351	U	0.0012	U U	0.00091 0.00091	U	0.0025	J	0.070		0.0297		0.01350	J	0.0317	J	0.001010		0.000147	J	0.00514
12/10/20	20120911	0.00	J	11.0		0.0320	J	0.0035	U	0.00091	U	0.0025	J	0.070		0.0269		0.01610		0.1490	J	0.000256	U	0.000147	J	0.00355
12/11/20	20121105	0.00	J	8.7	J	0.0156	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0274		0.01500		0.1040	J	0.000278	U	0.000147	J	0.00194
12/12/20	20121218	0.93	J	8.7	J	0.0143	U	0.0012	J	0.00120	U	0.0025	J	0.070		0.0277		0.01930	J	0.0615	J	0.000499	U	0.000147	J	0.00930
12/13/20	20121219	0.25	J	6.6	J	0.0225	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0294		0.00729	J	0.0768	J	0.000207	U	0.000147	J	0.00714
12/14/20	20121279	0.00	J	8.7	J	0.0305	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0295		0.02200		0.0826	J	0.000316	U	0.000147	J	0.00850
12/15/20	20121355	0.00	J	8.7		0.0548	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0299		0.02950		0.0973	J	0.000350	U	0.000147	J	0.00998
12/16/20	20121475	0.00	J	8.7		0.0597	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0351		0.02340		0.1220	J	0.000331	U	0.000147	J	0.00785
12/17/20	20121600	0.01	J	6.6		0.0376	U	0.0012	U U	0.00091 0.00091	U	0.0025	J	0.070		0.0293		0.02830		0.1200	J	0.000341	U	0.000147	J	0.00538
12/18/20	20121724	0.03	J	11.0	J	0.0243	U	0.0012	U U	0.00091 0.00091	U	0.0025	J	0.080		0.0255		0.02470	U	0.0160	J	0.000314	U	0.000147	J	0.00352
12/19/20	20121886	0.00	J	6.6	J	0.0108	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0284		0.03000	J	0.0523	J	0.000308	U	0.000147	J	0.00500
12/20/20	20121888	0.00	J	8.7	J	0.0234	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254		0.00943		0.0938		0.000201	U	0.000147	J	0.00227

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
									U	0.00170															
12/21/20	20121889	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091 0.00590	U	0.0025	U	0.058		0.0262		0.02000	J	0.0676	J	0.002320	U	0.000147	J	0.00388
12/22/20	20121961	0.00	J	13.0		0.0339	U	0.0012		0.00240 0.00190	U	0.0025	U	0.058		0.0265		0.01480	U	0.0160	J	0.000346	U	0.000147		0.01030
12/23/20	20122153	0.00	J	19.0	J	0.0236	J	0.0030	U	0.00091	U	0.0025	J	0.080		0.0336		0.02090	U	0.0160	J	0.000382	U	0.000147	J	0.00557
12/24/20	20122236	0.00	J	13.0	U	0.0098	U U	0.0012 0.0012	U	0.00091	U	0.0025	J	0.070		0.0309		0.01350	U	0.0160	J	0.000261	U	0.000147	J	0.00390
12/25/20	20122284	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0284		0.03490	U	0.0160	J	0.000214	U	0.000147	J	0.00211
12/26/20	20122339	0.00	J	8.7		0.0548	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0260		0.01280	U	0.0160	J	0.000228	U	0.000147	J	0.00750
12/27/20	20122290	0.00	J	11.0		0.0583	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0241		0.01480	U	0.0160	J	0.000243	U	0.000147	J	0.00817
12/28/20	20122346	0.00	J	6.6	J	0.0311	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0272		0.00948	U	0.0160	U	0.000148	U	0.000147	J	0.00755
12/29/20	20122427	0.00	J	11.0	J	0.0104	U	0.0012		0.00440 U 0.00170	U	0.0025	U	0.058		0.0276		0.00700	U	0.0160	J	0.000244	U	0.000147	J	0.00145
12/30/20	20122485	0.00	J	8.7		0.0371	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0256		0.01300	U	0.0160	J	0.000150	U	0.000147	J	0.00843
12/31/20	20122574	0.00	J	6.6		0.0349	U	0.0012	U U	0.00170 0.00170	U	0.0025	J	0.090		0.0293		0.01080	U	0.0160	J	0.000181	U	0.000147	J	0.00901
01/01/21	21010092	0.00	J	6.6		0.0456	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0281		0.01180	U	0.0160	J	0.000151	U	0.000147	J	0.00723
01/02/21	21010093	0.00	J	6.6	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0252		0.01550	U	0.0160	J	0.000166	J	0.000579	J	0.00681
01/03/21	21010094	0.00	J	8.7	J	0.0106	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0242		0.02770	U	0.0160	U	0.000148	U	0.000147		0.01320
01/04/21	21010095	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025		0.058		0.0248		0.03060	U	0.0160	U	0.000148	U	0.000147		0.01070
01/05/21	21010177	0.00	J	8.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0253		0.01290	U	0.0160	J	0.000320	U	0.000147	J	0.00752
01/06/21	21010331	0.00	J	8.7	J	0.0140	J	0.0012	U	0.00170	U	0.0025	J	0.080		0.0289	J	0.00468	U	0.0160	J	0.000334	U	0.000147	J	0.00932
01/07/21	21010411	0.00	J	6.6	U	0.0098	J	0.0022	J	0.00180	U	0.0025	J	0.070		0.0260		0.01450	U	0.0160	J	0.000202	U	0.000147	J	0.00943
01/08/21	21010517	0.00	J	11.0	J	0.0267	U	0.0012	U	0.00170	J	0.0029	J	0.070		0.0273		0.01840	U	0.0160	U	0.000148	U	0.000147		0.01180
01/09/21	21010588	0.00	J	11.0	J	0.0245	J	0.0020	U	0.00170	U	0.0025	J	0.080		0.0280		0.01880	U	0.0160	J	0.000164	U	0.000147	J	0.00224
01/10/21	21010590	0.00	J	13.0	J	0.0265	J	0.0016	U	0.00170	U	0.0025	J	0.080		0.0274		0.02310	U	0.0160	J	0.000274	U	0.000147	J	0.00324
01/11/21	21010651	0.00	J	15.0	J	0.0160	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0236		0.03030	U	0.0160	U	0.000148	U	0.000147	J	0.00436
01/12/21	21010700	0.00	J	11.0	J	0.0232	J	0.0015	U	0.00170	U	0.0025	J	0.070		0.0286		0.01160	U	0.0160	U	0.000148	U	0.000147	J	0.00176
01/13/21	21010805	0.00	J	11.0	J	0.0247	J	0.0037	J	0.00190	U	0.0025	J	0.070		0.0268		0.01840	U	0.0160	U	0.000148	U	0.000147	J	0.00868
01/14/21	21010928	0.00	J	11.0	J	0.0112	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0267		0.01200				0.000148	U	0.000147	J	0.00345
01/15/21	21011074	0.14	J	8.7	J	0.0247	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0270		0.01660	U	0.0160	U	0.000148	U	0.000147	J	0.00449
01/16/21	21011184	0.00	J	11.0	J	0.0234	J	0.0025	J	0.00170	U	0.0025	J	0.060		0.0254		0.02070	U	0.0160	U	0.000148	U	0.000147	J	0.00753
01/17/21	21011185	0.00	J	15.0	J	0.0230	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0269		0.01590	U	0.0160	U	0.000148	U	0.000147	J	0.00539
01/18/21	21011223	0.00	J	8.7	J	0.0197	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0240		0.01730	U	0.0160	U	0.000148	U	0.000147	J	0.00325
01/19/21	21011284	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0254		0.01640	U	0.0160	U	0.000148	U	0.000147	J	0.00366
01/20/21	21011406	0.00	J	8.7	J	0.0231	U	0.0012	U	0.00170	J	0.0042	J	0.080		0.0254		0.01070	U	0.0160	U	0.000148	U	0.000147	J	0.00201
01/21/21	21011548	0.00	J	13.0	J	0.0235	J U	0.0046 0.0012	U U	0.00170 0.00170	U	0.0025	J	0.090		0.0275		0.01530	J	0.0160	J	0.000151	U	0.000147	J	0.00224
01/22/21	21011650	0.00		21.0	J	0.0240	U	0.0012	U	0.00170 0.00210	U	0.0025	J	0.060		0.0317		0.01240	U	0.0160	J	0.000885	U	0.000147	J	0.00667
01/23/21	21011715	0.00	J	13.0	J	0.0279	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0240		0.03710	U	0.0160	J	0.000153	U	0.000147	J	0.00332
01/24/21	21011716	0.00	J	17.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0264		0.01960	U	0.0160	U	0.000148	U	0.000147	J	0.00242
01/25/21	21011781	0.00	J	19.0	J	0.0290	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0250		0.01260		0.1090	J	0.000844	U	0.000147	J	0.00540

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/26/21	21011913	0.00	J	15.0	J	0.0188	J	0.0029		0.00220 0.00200	U	0.0025	U	0.058		0.0275		0.01290	U	0.0160	U	0.000148	U	0.000147	J	0.00182
01/27/21	21011979	0.00	J	11.0		0.0355	J	0.0032		0.00550 0.00540	U	0.0025	U	0.058		0.0276		0.02150	U	0.0160	U	0.000148	U	0.000147	J	0.00192
01/28/21	21012091	0.00	J	17.0			J	0.0015		0.00470 0.00670	J	0.0054	J	0.070		0.0287		0.01330	U	0.0160	J	0.000272	U	0.000147	J	0.00373
01/29/21	21012199	0.00	J	13.0	J	0.0123	U	0.0012	J	0.00200	U	0.0025	J	0.070		0.0286		0.01630	U	0.0160	J	0.000181	U	0.000147	J	0.00208
01/30/21	21020055	0.00	J	8.7	J	0.0204	J	0.0012	U	0.00170	J	0.0028	J	0.060		0.0289		0.01570	U	0.0160	J	0.000213	U	0.000147	J	0.00239
01/31/21	21020056	0.00	J	11.0		0.0581	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0262		0.01250	U	0.0160	J	0.000164	U	0.000147	J	0.00155
02/01/21	21020057	0.00	J	13.0	J	0.0172	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0254		0.01080	U	0.0160	J	0.000273	U	0.000147	J	0.00205
02/02/21	21020107	0.00	J	15.0		0.0468	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0286		0.01410	U	0.0160	J	0.000292	U	0.000147	J	0.00359
02/03/21	21020205	0.00	J	15.0		0.0371	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0292		0.01780	U	0.0160	J	0.000689	U	0.000147	J	0.00535
02/04/21	21020361	0.00	J	8.7		0.0330	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0291		0.01670	U	0.0160	J	0.000261	U	0.000147	J	0.00253
02/05/21	21020434	0.00	J	11.0		0.0494	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0274		0.01790	U	0.0160	J	0.000247	U	0.000147	J	0.00232
02/06/21	21020531	0.00	J	15.0	J	0.0265	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0302	J	0.00401	U	0.0160	J	0.000234	U	0.000147	J	0.00330
02/07/21	21020532	0.00	J	8.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0258	J	0.00407	U	0.0160	J	0.000954	U	0.000147	J	0.00177
02/08/21	21020613	0.00	J	15.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0263	J	0.00292	U	0.0160	J	0.000149	U	0.000147	J	0..00237
02/09/21	21020664	0.00	J	15.0	J	0.0108	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00239	U	0.0160	J	0.000212	U	0.000147	J	0.00245
02/10/21	21020777	0.00	J	8.7	J	0.0129	J	0.0012	U	0.00170	U	0.0025	J	0.070		0.0287	J	0.00210	U	0.0160	U	0.000148	U	0.000147	U	0.00101
02/11/21	21020988	0.00	J	8.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00204	U	0.0160	U	0.000148	U	0.000147	U	0.00101
02/12/21	21020992	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0284	J	0.00213	U	0.0160	U	0.000148	U	0.000147	J	0.00122
02/13/21	21021157	0.00	J	11.0	J	0.0118	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0320	J	0.00217	U	0.0160	U	0.000148	U	0.000147	J	0.00152
02/14/21	21021158	0.00	J	8.7	J	0.0236	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00303	U	0.0160	J	0.000201	U	0.000147	J	0.00319
02/15/21	21021176	0.00	J	17.0		0.0491	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0310	J	0.00268	U	0.0160	U	0.000148	U	0.000147	J	0.00271
02/16/21	21021194	0.00	J	19.0	J	0.0168	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0276	J	0.00190	U	0.0160	J	0.000230	U	0.000147	J	0.00169
02/17/21	21021270	0.00	J	13.0	J	0.0167	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0320	J	0.00424	U	0.0160	J	0.000244	U	0.000147	J	0.00915
02/18/21	21021327	0.00	J	19.0	J	0.0199	J	0.0023	U	0.00170	U	0.0025	J	0.070		0.0315	J	0.00416	U	0.0160	J	0.000342	U	0.000147	J	0.00706
02/19/21	21021441	0.00	J	19.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0252	J	0.00270	U	0.0160	J	0.000245	U	0.000147	J	0.00327
02/20/21	21021552	0.00	J	19.0	J	0.0157	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0315	J	0.00253	U	0.0160	U	0.000148	U	0.000147	J	0.00134
02/21/21	21021555	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0286	J	0.00279	U	0.0160	J	0.001140	U	0.000147	J	0.00358
02/22/21	21021593	0.00	U	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0285	J	0.00227	U	0.0160	U	0.000148	U	0.000147	J	0.00139
02/23/21	21021613	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0278	J	0.00206	U	0.0160	U	0.000148	U	0.000147	J	0.00240
02/24/21	21021809	0.00	J	15.0		0.3700	U	0.0012	U	0.00550 0.00170	U	0.0025	J	0.080		0.0294	J	0.00373	U	0.0160	J	0.000341	U	0.000147	J	0.00485
02/25/21	21021909	0.00	J	13.0	J	0.0169	U JH	0.0012 0.0013	U	0.00170	U	0.0025	J	0.060		0.0322	J	0.00231	U	0.0160	J	0.000165	U	0.000147	J	0.00363
02/26/21	21022004	0.00	J	13.0		0.0435	J	0.0016	U	0.00170	U	0.0025	J	0.070		0.0277	J	0.00181	U	0.0160	U	0.000148	U	0.000147	J	0.00191
02/27/21	21030116	0.05	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0262	J	0.00176	U	0.0160	U	0.000148	U	0.000147	J	0.00129
02/28/21	21030117	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0247	J	0.00168	U	0.0160	U	0.000148	U	0.000147	J	0.00132
03/01/21	21030118	0.00	J	11.0	J	0.0295	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0266	J	0.00249	U	0.0160	U	0.000148	U	0.000147	J	0.00212
03/02/21	21030187	0.00	J	8.7		0.0396	U	0.0012		0.00550 0.00300	U	0.0025	J	0.070		0.0263	J	0.00181	U	0.0160	U	0.000148	U	0.000147	J	0.00162
03/03/21	21030347	0.00	J	8.7	U	0.0098	J	0.0020	U	0.00170	U	0.0025	J	0.080		0.0254	J	0.00246	U	0.0160	J	0.000206	U	0.000147	J	0.00354
03/04/21	21030375	0.00	J	19.0		0.0470	U	0.0012		0.00460	U	0.0025	J	0.080		0.0281	J	0.00306	U	0.0470	J	0.000452	U	0.000147	J	0.00509

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
									U	0.00170															
03/05/21	21030536	0.00	J	11.0		0.0410	U	0.0012		0.00370	U	0.0025	U	0.058		0.0238	J	0.00364		0.2060	J	0.000224	U	0.000260	J	0.00350
									U	0.00170															
03/06/21	21030752	0.00		23.0		0.0566	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0322		0.00689		0.7520	J	0.002320	U	0.000260		0.02660
03/07/21	21030755	0.00	J	15.0		0.0444	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0285	J	0.00176		1.1000	J	0.000348	U	0.000260	J	0.00503
03/08/21	21030759	0.00	J	11.0		0.0975	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0279	J	0.00177		0.3390	U	0.000220	U	0.000260	J	0.00441
03/09/21	21030781	0.00	J	6.6	J	0.0142	U	0.0040		0.00320	U	0.0025	J	0.070		0.0293	J	0.00146		0.2720	U	0.000220	U	0.000260	J	0.00258
03/10/21	21030899	0.00	J	15.0	J	0.0143	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0285	J	0.00259		0.4910	J	0.000342	U	0.000260	J	0.00856
03/11/21	21031075	0.00	J	15.0	J	0.0126	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0337	J	0.00240		0.0810	U	0.000220	U	0.000260	U	0.00220
03/12/21	21031303	0.00	J	15.0	J	0.0189	J	0.0012	U	0.00170	U	0.0025	J	0.060		0.0298	J	0.00376		0.1780	J	0.001750	U	0.000260	J	0.00452
03/13/21	21031403	0.00	J	19.0	J	0.0295	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0260	J	0.00368	J	0.0215	J	0.000524	U	0.000147	J	0.00690
03/14/21	21031404	0.00	J	15.0	J	0.0240	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0231	J	0.00192	J	0.0215	U	0.000148	U	0.000147	U	0.00101
03/15/21	21031482	0.00	J	19.0		0.0484	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0236	J	0.00222	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/16/21	21031561	0.00	J	8.7	J	0.0254	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0245	J	0.00326	U	0.0160	J	0.000311	U	0.000147	J	0.03220
03/17/21	21031689	0.00		28.0	U	0.0098	J	0.0030	U	0.00170	U	0.0025	J	0.060		0.0254	J	0.00107	U	0.0160	J	0.000383	U	0.000147	J	0.00419
03/18/21	21031806	0.08	J	13.0	J	0.0203	J	0.0028	U	0.00170	U	0.0025	J	0.060		0.0261	J	0.00273	U	0.0160	J	0.000153	U	0.000147	J	0.00351
03/19/21	21031929	0.22	J	11.0		0.0527	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0239	J	0.00262	U	0.0160	J	0.000215	U	0.000147	J	0.00233
03/20/21	21032048	0.00	U	6.1		0.0360	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0273	J	0.00191	U	0.0160	U	0.000148	U	0.000147	J	0.00131
03/21/21	21032049	0.00		20.0		0.0447	U	0.0120	U	0.00170	U	0.0025	J	0.060		0.0241	J	0.00393	U	0.0160	J	0.000286	U	0.000147	J	0.00525
03/22/21	21032125	0.00	J	14.0	J	0.0243	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0281	J	0.00279	U	0.0160	J	0.000268	U	0.000147	J	0.00245
03/23/21	21032170	0.00	U	6.1	J	0.0138	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0254	J	0.00408	U	0.0160	J	0.000800	U	0.000147	J	0.00563
03/24/21	21032291	0.15	J	9.7	J	0.0255	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0275	J	0.00202	U	0.0160	U	0.000148	U	0.000147	J	0.00206
03/25/21	21032382	0.00	U	6.1		0.0413	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0270	J	0.00342	U	0.0160	J	0.000587	U	0.000147	J	0.00412
03/26/21	21032504	0.82	U	6.1	J	0.0159	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0357	J	0.00285	U	0.0160	J	0.000416	U	0.000147	J	0.00299
03/27/21	21032688	0.00	U	6.1		0.0367	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00251	U	0.0160	J	0.000275	J	0.000147	J	0.00154
03/28/21	21032689	0.23	J	7.5	J	0.0204	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0259	J	0.00256	U	0.0160	J	0.000247	U	0.000147	J	0.00279
03/29/21	21032653	0.00	U	6.1		0.0487	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0298	J	0.00190	U	0.0160	U	0.000148	U	0.000147	J	0.00106
03/30/21	21032744	0.00	U	6.1	J	0.0237	J	0.0047	U	0.00170	U	0.0025	J	0.060		0.0305	J	0.00338	J	0.0196	J	0.000517	U	0.000147	J	0.00300
							U	0.0012																	
03/31/21	21032855	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0268	J	0.00227	U	0.0160	J	0.000186	U	0.000147	J	0.00118
04/01/21	21040045	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0309	J	0.00262	U	0.0160	J	0.000189	U	0.000147	J	0.00124
04/02/21	20140195	0.00	J	16.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0352	J	0.00215	U	0.0160	J	0.000169	U	0.000147	J	0.00115
04/03/21	21040297	0.00	J	12.0	J	0.0126	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0298	J	0.00227	U	0.0160	J	0.000202	U	0.000147	U	0.00101
04/04/21	21040298	0.00	J	18.0	J	0.0227	J	0.0018	U	0.00170	U	0.0025	J	0.070		0.0268	J	0.00215	U	0.0160	J	0.000159	U	0.000147	J	0.00133
04/05/21	21040299	0.00	J	9.7	U	0.0098	J	0.0013	U	0.00170	U	0.0025	J	0.080		0.0258	J	0.00216	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/06/21	21040403	0.00	U	6.1	J	0.0192	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00228	U	0.0160	U	0.000148	U	0.000147	J	0.00177
04/07/21	21040491	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0317	J	0.00212	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/08/21	21040491	0.17	J	7.5	U	0.0098	J	0.0014	U	0.00170	U	0.0025	J	0.080		0.0323	J	0.00220	U	0.0160	U	0.000148	U	0.000147	J	0.00104
04/09/21	21040735	0.03		23.0		0.0439	U	0.0012	U	0.00170	J	0.0065	J	0.080		0.0277		0.00565	U	0.0160	J	0.001340	U	0.000147	J	0.00756
04/10/21	21040897	0.33	J	16.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0305		0.00700	U	0.0160	J	0.001490	U	0.000147	J	0.00831
04/11/21	21040900	0.00	U	6.1	J	0.0224	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0272	J	0.00249	U	0.0160	U	0.000148	U	0.000147	J	0.00417
04/12/21	21040901	0.06	J	18.0	J	0.0213	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0261	J	0.00215	U	0.0160	U	0.000148	U	0.000147	J	0.00101
04/13/21	21041005	0.00	J	12.0	J	0.0199	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0255	J	0.00218	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/14/21	21041151	0.00	U	6.1	J	0.0230	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0263	J	0.00291	U	0.0160	U	0.000148	U	0.000147	J	0.00164

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/15/21	21041266	0.00	J	14.0	J	0.0266	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0253	J	0.00218	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/16/21	21041397	0.00	J	12.0	J	0.0290	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0303	J	0.00227	U	0.0160	U	0.000148	U	0.000147	J	0.00164
04/17/21	21041556	0.00	J	7.5	J	0.0247	U	0.0012	U	0.00170	J	0.0030	J	0.070		0.0295	J	0.00251	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/18/21	21041558	0.00	J	14.0		0.0608	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0278	J	0.00323	U	0.0160	J	0.000346	U	0.000147	J	0.00353
04/19/21	21041612	0.23	J	14.0	J	0.0246	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0259	J	0.00259	U	0.0160	U	0.000148	U	0.000147	J	0.00142
04/20/21	21041698	0.03	U	6.1		0.0453	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0302	J	0.00227	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/21/21	21041849	0.04	J	9.7		0.0408	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0319		0.00241	J	0.0364	J	0.000159	U	0.000147	J	0.00212
04/22/21	21041949	0.00	J	9.7		0.0479	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0297	J	0.00350	U	0.0160	J	0.000353	U	0.000147	J	0.00341
04/23/21	21042134	0.00	U	6.1	J	0.0211	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0274	J	0.00215	U	0.0160	U	0.000148	U	0.000147	J	0.00116
04/24/21	21042196	0.15	J	12.0		0.0377	U	0.0012	U	0.00170	J	0.0028	U	0.058		0.0276	J	0.00204	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/25/21	21042199	0.00	J	12.0		0.0401	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0296	J	0.00218	U	0.0160	U	0.000148	U	0.000147	J	0.00121
04/26/21	21042257	0.00	J	18.0	J	0.0111	U	0.0012	J	0.00170	U	0.0025	J	0.070		0.0282	J	0.00210	U	0.0160	U	0.000148	U	0.000147	J	0.00135
04/27/21	21042376	0.00	J	9.7	J	0.0183	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0282	J	0.00201	U	0.0160	U	0.000148	U	0.000147	J	0.00112
04/28/21	21042474	0.39		20.0	J	0.0307	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0266	J	0.00192	U	0.0160	U	0.001480	U	0.000147	U	0.00101
04/29/21	21042567	0.05	J	12.0		0.0421	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0293	J	0.00198	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/30/21	21042714	0.00	J	9.7		0.0521	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0290	J	0.00194	U	0.0160	U	0.000148	U	0.000147	J	0.00230
05/01/21	21050017	0.00	J	9.7	J	0.0186	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00192	U	0.0160	U	0.000148	U	0.000147	J	0.00106
05/02/21	21050018	0.01	J	12.0		0.0334	U	0.0012	U	0.00170	J	0.0032	J	0.060		0.0260	J	0.00175	U	0.0160	U	0.000148	U	0.000147	J	0.00104
05/03/21	21050086	0.19	J	9.7		0.0390	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0244	J	0.00186	U	0.0160	U	0.000148	U	0.000147	J	0.00107
05/04/21	21050234	0.00	J	14.0		0.0362	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0255	J	0.00254	U	0.0160	U	0.000148	U	0.000147	J	0.00105
05/05/21	21050345	0.00	J	14.0	J	0.0167	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0278	J	0.00305	U	0.0160	J	0.000422	U	0.000147	J	0.00236
05/06/21	21050423	0.01	J	9.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0249	J	0.00272	U	0.0160	J	0.000166	U	0.000147	J	0.00220
05/07/21	21050534	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0245	J	0.00218	U	0.0160	U	0.000148	U	0.000147	J	0.00108
05/08/21	21050731	0.31	J	14.0		0.0344	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0261	J	0.00231	U	0.0160	U	0.000148	U	0.000147	U	0.00101
05/09/21	21050732	1.70		20.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0250	J	0.00212	U	0.0160	J	0.000149	U	0.000147	J	0.00181
05/10/21	21050733	0.00	J	9.7	J	0.0234	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0260	J	0.00237	U	0.0160	J	0.000253	U	0.000147	J	0.00189
05/11/21	21050886	0.00	J	9.7	J	0.0220	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00247	U	0.0160	J	0.000186	U	0.000147	J	0.00216
05/12/21	21051004	0.00	J	9.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0251	J	0.00230	U	0.0160	J	0.000226	U	0.000147	J	0.00158
05/13/21	21051097	0.00	J	12.0	J	0.0127	J	0.0015	U	0.00170	U	0.0025	J	0.070		0.0274	J	0.00211	U	0.0404	U	0.000148	U	0.000147	J	0.00105
05/14/21	21051245	0.00	J	7.5	U	0.0098	J	0.0020	U	0.00170	U	0.0025	J	0.070		0.0257		0.00206	U	0.0404	U	0.000148	U	0.000050	U	0.00101
																		0.00195			U	0.000148	U	0.000050	U	0.00101
05/15/21	21051371	0.00	J	9.7		0.0342	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0249		0.00198	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/16/21	21051373	0.00	U	6.1	J	0.0288	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0247		0.00209	U	0.0404	U	0.000148	U	0.000050	J	0.00109
05/17/21	21051412	0.00	J	9.7		0.0360	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0237		0.00198	U	0.0404	U	0.000148	U	0.000050	J	0.00131
05/18/21	21051529	0.01		23.0	J	0.0127	U	0.0012	U	0.00170	J	0.0028	U	0.058		0.0248		0.00181	U	0.0404	U	0.000148	U	0.000050	J	0.00339
05/19/21	21051662	0.14		20.0	J	0.0181	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0274		0.00258	U	0.0404	U	0.000148	U	0.000050	J	0.00183
05/20/21	21051779	0.00	J	16.0	J	0.0267	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0267		0.00217	U	0.0404	U	0.000148	U	0.000050	J	0.00411
05/21/21	21051888	0.00	J	16.0	J	0.0144	J	0.0013	U	0.00170	U	0.0025	J	0.070		0.0272		0.00206	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/22/21	21051974	0.00	J	16.0	U	0.0098	J	0.0018	U	0.00170	U	0.0025	J	0.070		0.0281		0.00209	U	0.0404	U	0.000148	U	0.000050	J	0.00138
05/23/21	21051975	0.00	J	12.0	J	0.0283	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0260		0.00222	U	0.0404	U	0.000148	U	0.000050	J	0.00126
05/24/21	21052029	0.00	J	18.0	J	0.0303	J	0.0013	U	0.00170	U	0.0025	J	0.080		0.0248		0.00201	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/25/21	21052131	0.00	J	18.0	J	0.0104	J	0.0015	U	0.00170	U	0.0025	J	0.070		0.0243		0.00192	U	0.0404	U	0.000148	U	0.000050	J	0.00147
05/26/21	21052265	0.27	J	14.0		0.0398	J	0.0020	U	0.00170	U	0.0025	J	0.080		0.0225		0.00209	U	0.0404	U	0.000148	U	0.000050	J	0.00350

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2316 - Blast Furnace Area Storm Sewer Manhole 2316 (D-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
05/27/21	21052377	0.03	J	14.0	J	0.0118	J	0.0020		0.00250	U	0.0025	J	0.080		0.0288		0.00212	U	0.0404	U	0.000148	U	0.000050	J	0.00103
									U	0.00170															
05/28/21	21052505	1.03		23.0	J	0.0241	U	0.0012		0.00260	U	0.0025	J	0.080		0.0303		0.00305	U	0.0404	J	0.000219	U	0.000050	J	0.00266
									U	0.00170															
05/29/21	21060028	0.00	J	18.0	J	0.0204	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0253		0.00227	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/30/21	21060029	0.00	J	14.0	J	0.0175	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0255		0.00133	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/31/21	21060030	0.00	J	18.0	J	0.0271	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0250		0.00139	U	0.0404	U	0.000148	U	0.000050	U	0.00101
06/01/21	***Sampling discontinued***																							
	On 04/09/21 Cleveland-Cliffs submitted to IDEM proposed modifications to the Outfall 002 ESP which included elimination of sampling at Manhole SS 2316																							
	IDEM approved the Cleveland-Cliffs-proposed modifications on 05/27/21																							

Notes

[1] Starting May 1, 2020, Outfall 002 total Cyanide and total phenolics data reflect samples collected in accordance with the IDEM-recommended revised composite sampling procedure.

[2] Starting July 31, 2020, 24-hr composite samples analyzed by Microbac and ALS are dated the day composite samples are collected (modified from the day composite samples are started at the direction of IDEM and U.S. EPA). As a result of this date reporting modification, there are no samples dated July 31, 2020.

[3] Results not available prior to preparation of interim status report.

Qualifiers

J	Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)
U	Analyte analyzed but not detected above the MDL
B	Analyte detected in the associated Method Blank above the RL
1	Due to the outage of equipment required to perform total cyanide analysis by Kelada-01, samples analyzed by SM 4500-CN-E to meet holding times.
H	Analyzed outside of holding time
M	Matrix interference is present and matrix spike recovery is outside of acceptance limits
R	Duplicate RPD is outside of acceptance limits

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/28/19	19102222-02	0.00	J	13	J	0.0235	U	0.0012	U	0.00091		0.0094	J	0.060		0.0293		0.00629	U	0.0412	J	0.000505	U	0.00050	J	0.00701
10/29/19	mple not collect	0.08																								
10/30/19	19102424-02	0.78	J	11	U	0.0098	U	0.0012	U	0.00091		0.0094	U	0.058		0.0271	J	0.00212		0.1590	J	0.000711	U	0.00026	J	0.00502
10/31/19	19110037-02	0.81	J	13	U	0.0098	J	0.0016	U	0.00091	U	0.0020	U	0.058		0.0354	J	0.00137		0.0593	J	0.001090	U	0.00026	J	0.00897
11/01/19	mple not collect	0.55																								
11/02/19	mple not collect	0.00																								
11/03/19	mple not collect	0.00																								
11/04/19	mple not collect	0.00																								
11/05/19	mple not collect	0.00																								
11/06/19	mple not collect	0.00																								
11/07/19	mple not collect	0.00																								
11/08/19	mple not collect	0.00																								
11/09/19	mple not collect	0.00																								
11/10/19	mple not collect	0.00																								
11/11/19	mple not collect	0.02																								
11/12/19	mple not collect	0.36																								
11/13/19	mple not collect	0.00																								
11/14/19	mple not collect	0.00																								
11/15/19	mple not collect	0.00																								
11/16/19	mple not collect	0.00																								
11/17/19	mple not collect	0.00																								
11/18/19	mple not collect	0.02																								
11/19/19	mple not collect	0.00																								
11/20/19	mple not collect	0.04																								
11/21/19	19111800-04	0.14		36.0	J	0.0102	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0301		0.01230	U	0.0412	J	0.000443	U	0.000500	J	0.00360
11/22/19	19111875-04	0.34	J	14.0		0.0407	U	0.0012	U	0.00091	J	0.0046	U	0.058		0.0277		0.01820	U	0.0412	J	0.000778	U	0.000053	J	0.00575
11/23/19	19111877-01	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00140	U	0.0020	U	0.058		0.0246		0.00714	U	0.0412	U	0.000400	U	0.000500	J	0.00214
11/24/19	19111925-04	0.00	J	20.0	U	0.0098	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0214		0.01060	U	0.0412	U	0.003300	U	0.000053	J	0.00256
11/25/19	19112036-04	0.00	J	7.8	J	0.0153	U	0.0120	U	0.00091	U	0.0020	U	0.058		0.0219		0.01070	U	0.0412	U	0.000400	U	0.000500	J	0.00250
11/26/19	19112147-04	0.00	U	6.1		0.0630	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0253		0.00623	U	0.0412	U	0.000400	U	0.000500	J	0.00480
11/27/19	19112245-04	0.35	J	7.8		0.0394	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0218		0.00831	U	0.0412	J	0.000426	U	0.000500	J	0.00243
11/28/19	19112246-04	0.00	J	16.0		0.0382	U	0.0012	sample broken			0.0065	U	0.058	B	0.0219	J	0.00493	U	0.0412	U	0.000400	U	0.000500	J	0.00132
11/29/19	19120034-04	0.00	J	9.8		0.0495	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0237		0.00885	U	0.0412	J	0.000478	U	0.000500	J	0.00625
11/30/19	19120035-04	0.02	U	6.1		0.0468	U	0.0012	U	0.0009	U	0.0025	U	0.058		0.0221		0.00568	U	0.0412	U	0.000400	U	0.000500	J	0.00326
12/01/19	19120036-04	0.25	J	12.0		0.0471	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0203		0.00808	U	0.0412	U	0.000400	U	0.000500	J	0.00365
12/02/19	19120164-04	0.24	J	12.0		0.0445	J U	0.0014 0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.00795	U	0.0412	U	0.000400	U	0.000500	J	0.00316
12/03/19	19120269-04	0.00	J	14.0		0.0377		0.0093		0.00670	U	0.0025	U	0.058		0.0245		0.00655	U	0.0412	J	0.000447	U	0.000053	J	0.00745
12/04/19	19120331-04	0.00	J	16.0	U	0.0098	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0226		0.01870	U	0.0412	J	0.000508	U	0.000500	J	0.00503
12/05/19	19120521-04	0.00		24.0	J	0.0318	J	0.0012	U	0.00091	U	0.0025	U	0.058		0.0259		0.01060	U	0.0412	J	0.001820	U	0.000500	J	0.00968
12/06/19	19120522-04	0.00	J	12.0	J	0.0236	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0236	J	0.00332	U	0.0412	U	0.000400	U	0.000500	J	0.00173
12/07/19	19120523-04	0.00	J	18.0	J	0.0252	U	0.0012	J	0.00140	U	0.0025	U	0.058		0.0211	J	0.00463	U	0.0412	J	0.000576	U	0.000500	J	0.00281
12/08/19	19120671-04	0.00	J	20.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0206		0.00927	U	0.0412	U	0.000400	U	0.000500	J	0.00286
12/09/19	19120798-04	0.40	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240		0.00595	U	0.0412	U	0.000400	U	0.000500	J	0.00197

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																							
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/10/19	19120902-04	0.00	J	14.0		0.0419	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0268		0.00844	U	0.0412	U	0.000400	U	0.000500	J	0.00325
12/11/19	19121042-04	0.00	J	14.0		0.0344	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0291		0.00577	U	0.0412	J	0.000322	U	0.000260	U	0.00470
12/12/19	19121080-04	0.00	J	7.8		0.0327	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0261		0.00534	U	0.0470	U	0.000220	U	0.000260	J	0.00517
12/13/19	19121117-04	0.00	J	9.8	J	0.0282	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0216	J	0.00414	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/14/19	19121118-04	0.00	J	14.0		0.0383	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0217	J	0.00403	J	0.0604	U	0.000220	U	0.000260	U	0.00470
12/15/19	19121196-04	0.00	J	12.0		0.0437	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240		0.00540		0.0923	U	0.000220	U	0.000260	U	0.00470
12/16/19	19121275-04	0.00	J	16.0	J	0.0319	U	0.0012	J	0.00150	U	0.0025	U	0.058		0.0298	J	0.00425	J	0.0743	U	0.000220	U	0.000260	U	0.00470
12/17/19	19121403-04	0.00	J	14.0		0.0387	U	0.0012	U	0.00091	J	0.0025	U	0.058		0.0318	J	0.00433		0.0993	U	0.000220	U	0.000260	U	0.00470
12/18/19	19121498-04	0.00	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0369		0.00512		0.3500	U	0.000220	U	0.000260	U	0.00470
12/19/19	19121711-04	0.00	J	12.0	J	0.0228	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00401		0.0863	U	0.000220	U	0.000260	U	0.00470
12/20/19	19121737-04	0.00	J	9.8	U	0.0098	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0291	J	0.00405	J	0.0728	J	0.000224	U	0.000260	U	0.00470
12/21/19	19121739-04	0.00	J	9.8	J	0.0101	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00362	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/22/19	19121740-04	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0298	J	0.00383	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/23/19	19121768-04	0.00	U	6.1		0.1870	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0332	J	0.00404		0.1750	J	0.000547	U	0.000260	U	0.00470
12/24/19	19121834-04	0.00	J	12.0	J	0.0147	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0322	J	0.00393	J	0.0498	U	0.000220	U	0.000260	U	0.00470
12/25/19	19121851-04	0.00	J	14.0	J	0.0317	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0272		0.00504	J	0.0555	J	0.000233	U	0.000260	U	0.00470
12/26/19	19121968-04	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0292		0.03670	U	0.0470	J	0.000962	U	0.000260		0.13100
12/27/19	19122019-04	0.00	J	12.0	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0279		0.00629	U	0.0470	J	0.000274	U	0.000260	J	0.00526
12/28/19	19122020-04	0.00	U	6.1		0.0578	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262		0.00552	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/29/19	19122025-04	0.55	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0250	U	0.058		0.0266		0.06700	U	0.0470	J	0.001320	U	0.000260		0.13100
12/30/19	19122038-04	0.75	J	6.4	J	0.0182	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0243		0.00545	J	0.0537	U	0.000220	U	0.000260	U	0.00470
12/31/19	20010024-04	0.00	U	6.1	J	0.0203	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0258		0.00571		0.2480	U	0.000220	U	0.000260	U	0.00470
01/01/20	20010026-04	0.00	J	8.4	J	0.0168	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0298	J	0.00438	J	0.0581	U	0.000220	U	0.000260	U	0.00470
01/02/20	20010096-04	0.00	J	10.0		0.0535	U	0.0120	U	0.00180	U	0.0025	U	0.058		0.0295	J	0.00367	J	0.0733	U	0.000220	U	0.000260	U	0.00470
01/03/20	20010162-04	0.00	J	8.4	U	0.0098	U	0.0012	U	0.00180	J	0.0050	U	0.058		0.0258	J	0.00487	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/04/20	20010166-04	0.80	J	8.4	J	0.0188	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0271	J	0.00476	J	0.0790	U	0.000220	U	0.000260	U	0.00447
01/05/20	20010207-04	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0261	J	0.00453		0.1300	U	0.000220	U	0.000260	U	0.00470
01/06/20	20010289-04	0.00	J	6.4	J	0.0112		0.0980	U	0.00091	U	0.0025	U	0.058		0.0314	J	0.00384	J	0.0500	U	0.000220	U	0.000260	U	0.00470
01/07/20	20010412-04	0.00	U	6.1	J	0.0314	J 1	0.0019	U	0.00091	U	0.0025	U	0.058		0.0278	J	0.00362		0.0853	U	0.000220	U	0.000260	U	0.00470
01/08/20	20010509-04	0.00	J	6.4	J	0.0216	J 1	0.0031	U	0.00091	U	0.0025	U	0.058		0.0280	J	0.00430	J	0.0663	U	0.000220	U	0.000260	U	0.00470
01/09/20	20010640-04	0.00	J	6.4	U	0.0098	J 1	0.0039	U	0.00091	U	0.0025	U	0.058		0.0269	J	0.00421	J	0.0684	U	0.000220	U	0.000260	J	0.00601
01/10/20	20010738-04	0.02	J	6.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0289	J	0.00208	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/11/20	20010739-04	2.75	J	10.0	J	0.0156	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0351	J	0.00262		0.3540	J	0.000584	U	0.000260	J	0.00718
01/12/20	20010740-04	0.50	J	18.0	J	0.0212	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0321	J	0.00382		0.5840	J	0.000807	U	0.000260	J	0.00639
01/13/20	20010820-04	0.00	J	8.4		0.1030	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00486		0.2830	J	0.000556	U	0.000260	U	0.00470
01/14/20	20010926-04	0.00	J	8.4		0.0339	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0298		0.00520		0.1370	U	0.000220	U	0.000260	U	0.00470
01/15/20	20011007-04	0.00	U	6.1	J	0.0187	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279	J	0.00394		0.1490	J	0.000231	U	0.000260	U	0.00470
01/16/20	20011260-04	0.00	J	8.4	J	0.0264	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255		0.00532		0.3200	J	0.000628	U	0.000260	U	0.00470
01/17/20	20011209-04	0.00	J	6.4	J	0.0278	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0246		0.00544		0.3380	J	0.000628	U	0.000260	U	0.00470
01/18/20	20011212-04	0.00	J	14.0	J	0.0204	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0278		0.00584		0.3180	J	0.000632	U	0.000260	U	0.00470
01/19/20	20011236-04	0.00	J	6.4	J	0.0181	U	0.0012	U	0.00091	U	0.0025		0.100		0.0267		0.00545		0.4510	J	0.000627	U	0.000260	U	0.00470
01/20/20	20011295-04	0.00	U	6.1		0.0693	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0261	J	0.00147		0.2770	J	0.000377	U	0.000260	U	0.00470
01/21/20	20011440-04	0.00	U	6.1		0.0573	J	0.0012	J	0.00150	U	0.0025	J	0.080		0.0246	J	0.00421		0.1800	J	0.000296	U	0.000260	U	0.00470
01/22/20	20011487-04	0.00	U	6.1		0.0507	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284	J	0.00398		0.1660	U	0.000220	U	0.000260	U	0.00470

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Cleveland-Cliffs Burns Harbor LLC
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Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/23/20	20011697-04	0.00	U	6.1		0.0466	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00456		0.1390	J	0.000290	U	0.000260	U	0.00470
01/24/20	20011698-04	0.00	J	6.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00427		0.2030	J	0.000477	U	0.000260	U	0.00470
01/25/20	20011699-04	0.00	J	12.0		0.0563	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00438		0.1650	U	0.000220	U	0.000260	U	0.00470
01/26/20	20011755-04	0.00	J	8.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00467		0.1580	J	0.000221	U	0.000260	U	0.00470
01/27/20	20011757-04	0.00	U	6.1		0.0644	U	0.0012	J	0.00098	U	0.0025	U	0.058		0.0276	J	0.00457		0.1560	J	0.000361	U	0.000260	U	0.00026
01/28/20	20011964-04	0.00	J	12.0		0.0781	U	0.0012	J	0.00098	U	0.0025	U	0.058		0.0279		0.00588	J	0.0628	J	0.000263	U	0.000260	U	0.00470
01/29/20	20011966-04	0.00	J	14.0	J	0.0183	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0295	J	0.00459	J	0.0777	U	0.000220	U	0.000260	U	0.00470
01/30/20	20020095-04	0.00	J	4.8	U	0.0047	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254	J	0.00338		0.1110	U	0.000220	U	0.000260	U	0.00470
01/31/20	20020016-04	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0251	J	0.00495	J	0.0687	U	0.000220	U	0.000260	U	0.00470
02/01/20	20020018-04	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255	J	0.00379		0.0957	U	0.000220	U	0.000260	U	0.00470
02/02/20	20020205-04	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0302	J	0.00446		0.0929	U	0.000220	U	0.000260	U	0.00470
02/03/20	20020210-04	0.00	J	12.0	J	0.0120	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00458		0.1300	U	0.000220	U	0.000260	U	0.00470
02/04/20	20020382-04	0.00	U	3.0	J	0.0150	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0319	J	0.00428		0.1330	J	0.000307	U	0.000260	U	0.00470
02/05/20	20020472-04	0.00	U	6.1		0.0409	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0314	J	0.00299		0.1750	U	0.000220	U	0.000260	U	0.00470
02/06/20	20020622-04	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00120	U	0.0025	U	0.058		0.0276	J	0.00434		0.1760	J	0.000252	U	0.000260	U	0.00470
02/07/20	20020620-04	0.00	J	6.2	J	0.0149	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00447		0.1430	U	0.000220	U	0.000260	U	0.00470
02/08/20	mple not collect	0.00																								
02/09/20	20020728-04	0.00	U	6.1	J	0.0120	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00479		0.2530	J	0.005190	U	0.000260	J	0.00604
02/10/20	20020730-04	0.00	J	6.2	J	0.0162	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0272	J	0.00433		0.1530	J	0.000305	U	0.000260	U	0.00470
02/11/20	20020816-04	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0283	J	0.00422		0.0912	U	0.000220	U	0.000260	U	0.00470
02/12/20	20020913-04	0.00	J	8.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0319		0.00599		0.0956	U	0.000220	U	0.000260	U	0.00470
02/13/20	20021000-04	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271	J	0.00440	J	0.0767	U	0.000220	U	0.000260	U	0.00470
02/14/20	20021001-05	0.00	J	18.0	J	0.0158	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0308		0.00711		1.4900	J	0.002530	J	0.000285		0.03210
02/15/20	20021104-05	0.00	J	12.0	J	0.0155	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0285	J	0.00460		0.1660	J	0.000334	U	0.000260	U	0.00470
02/16/20	20021103-05	0.00	J	6.2	J	0.0158	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0271	J	0.00411		0.1290	J	0.000306	U	0.000260	U	0.00470
02/17/20	20021161-05	0.00	U	6.1	J	0.0230	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0289	J	0.00416		0.1330	J	0.000236	U	0.000260	U	0.00470
02/18/20	20021271-03	0.00	U	6.1	J	0.0212	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0280	J	0.00419		0.1340	J	0.000258	U	0.000260	U	0.00470
02/19/20	20021338-03	0.00	J	12.0	J	0.0207	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00437		0.1500	J	0.000368	U	0.000260	U	0.00470
02/20/20	20021421-03	0.00	U	6.1	J	0.0125	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0299	J	0.00452		0.1380	J	0.000411	U	0.000260	U	0.00470
02/21/20	20021529-03	0.00	J	10.0	U	0.0098	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0303	J	0.00359		0.1360	J	0.000480	U	0.000260	J	0.00819
02/22/20	20021530-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00347		0.1020	J	0.000223	U	0.000260	U	0.00470
02/23/20	20021531-03	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0300	J	0.00269		0.1230	J	0.000285	U	0.000260	U	0.00470
02/24/20	20021611-03	0.00	J	8.0	J	0.0241	U	0.0012	J	0.00091	U	0.0025	U	0.058		0.0286	J	0.00175		0.2070	J	0.000234	U	0.000260	U	0.00470
02/25/20	20021690-03	0.18	J	12.0	J	0.0194	J	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248		0.00792		0.1420	J	0.000348	U	0.000260	U	0.00470
02/26/20	20021796-03	0.00	J	10.0	J	0.0203	J	0.0019	U	0.00091	U	0.0025	U	0.058		0.0369	J	0.00432		0.2670	J	0.000815	U	0.000260	U	0.00470
02/27/20	20021916-03	0.00	J	10.0	J	0.0239	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0452	J	0.00275		0.4190	J	0.000829	U	0.000260	U	0.00470
02/28/20	20030047-03	0.00	U	6.1	J	0.0206	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0310		0.00593		0.2190	J	0.000453	U	0.000260	U	0.00470
02/29/20	20030048-03	0.00	U	6.1	J	0.0148	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0313		0.00590		0.2650	J	0.000443	U	0.000260	U	0.00470
03/01/20	20030118-03	0.00	U	6.1	J	0.0207	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0413		0.00562		0.3430	J	0.000459	U	0.000260	U	0.00470
03/02/20	20030242-03	0.00	U	6.1		0.0539	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0323		0.00506		0.2070	J	0.000275	U	0.000260	U	0.00470
03/03/20	20030243-03	0.00	U	6.1	J	0.0243	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00468		0.1630	U	0.000220	U	0.000260	U	0.00470
03/04/20	20030321-03	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0317	J	0.00361		0.1940	U	0.000220	U	0.000260	U	0.00470
03/05/20	20030577-03	0.00	U	6.1	J	0.0257	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0301	J	0.00491		0.1770	J	0.000243	U	0.000243	U	0.00470
03/06/20	20030578-03	0.01	J	7.8	J	0.0221	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0249		0.00686		1.0800	J	0.000908	U	0.000260	J	0.00543

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/07/20	20030582-03	0.00	J	7.8	J	0.0231	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252		0.00550		0.2870	J	0.000713	U	0.000260	U	0.00470
03/08/20	20030585-03	0.00	U	6.1	J	0.0165	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288		0.00502		0.3090	J	0.000462	U	0.000260	U	0.00470
03/09/20	20030630-03	0.00	U	6.1	J	0.0187	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0294		0.00566		0.1940	J	0.000400	U	0.000260	U	0.00470
03/10/20	20030765-03	0.54	J	9.8	J	0.0105	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0276	J	0.00474		0.3510	J	0.000517	U	0.000260	U	0.00470
03/11/20	20030860-03	0.00	J	9.8	J	0.0105	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0276	J	0.00474		0.3510	J	0.000517	U	0.000260	U	0.00470
03/12/20	20031067-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0266		0.00542		0.2340	J	0.000385	U	0.000260	U	0.00470
03/13/20	20031068-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00445		0.1480	J	0.000400	U	0.000260	U	0.00470
03/14/20	20031070-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248		0.00606		0.1660	J	0.000278	U	0.000260	U	0.00470
03/15/20	20031147-03	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0282		0.00651		0.3710	J	0.000609	U	0.000260	J	0.00963
03/16/20	20031244-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0250		0.00537		0.1570	J	0.000275	U	0.000260	J	0.00503
03/17/20	20031337-03	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276	J	0.00452		0.2600	J	0.000310	U	0.000260	U	0.00470
03/18/20	20031339-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0268	J	0.00399		0.1060	U	0.000220	U	0.000260	U	0.00470
03/19/20	20031540-03	0.35	J	7.8	U	0.0098	J	0.0014	U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00489		0.2310	J	0.000210	U	0.000260	U	0.00470
03/20/20	20031544-03	0.40	U	6.1	J	0.0187	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0296		0.00573		0.1670	J	0.000580	U	0.000260	U	0.00470
03/21/20	20031545-03	0.00	U	6.1	U	0.0098	J	0.0017	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00454		0.2840	J	0.000433	U	0.000260	U	0.00470
03/22/20	20031543-03	0.00	J	16.0	U	0.0098	J	0.0023	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00488		0.2550	J	0.000286	U	0.000260	U	0.00470
03/23/20	20031590-03	0.00	U	6.1	U	0.0098	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0271		0.00519		0.1470	J	0.000275	U	0.000260	U	0.00470
03/24/20	20031796-03	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0261	J	0.00449		0.2040	J	0.000230	U	0.000260	U	0.00470
03/25/20	20031797-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0335	J	0.00459		0.1860	U	0.000220	U	0.000260	U	0.00470
03/26/20	20031912-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0292	J	0.00480		0.1870	U	0.000220	U	0.000260	U	0.00470
03/27/20	20031991-03	0.05	U	6.1	U	0.0098	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0316		0.00578		0.3920	J	0.000234	U	0.000260	U	0.00470
03/28/20	20031991-03	0.32	U	6.1	U	0.0098	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0299		0.00541		0.1560	U	0.000220	U	0.000260	U	0.00470
03/29/20	20032046-03	0.02	U	6.1	U	0.0098	J	0.0023	U	0.00091	U	0.0025	U	0.058		0.0379	J	0.00447		0.2240	J	0.000280	U	0.000260	U	0.00470
03/30/20	20032047-03	0.00	J	7.8	J	0.0199	J	0.0019	U	0.00091	U	0.0025	U	0.058		0.0317		0.00508		0.3410	J	0.000428	U	0.000260	U	0.00470
03/31/20	20040119-03	0.00	J	18.0	U	0.0098	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00472		0.1890	J	0.000277	U	0.000260	U	0.00470
04/01/20	20040232-03	0.00	U	6.1	J	0.0144	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0309	J	0.00398		0.1830	J	0.000243	U	0.000260	U	0.00470
04/02/20	20040233-03	0.00	J	7.8	U	0.0098	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0305	J	0.00491		0.1190	J	0.000406	U	0.000260	U	0.00470
04/03/20	20040349-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0317	J	0.00496	J	0.0785	U	0.000220	U	0.000260	U	0.00470
04/04/20	20040350-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0327	J	0.00324		0.1720	U	0.000220	U	0.000260	U	0.00470
04/05/20	20040395-03	0.08	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0302	J	0.00334		0.1200	U	0.000220	U	0.000260	U	0.00470
04/06/20	20040517-03	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0027	U	0.058		0.0257	J	0.00454		0.0906	U	0.000220	U	0.000260	U	0.00470
04/07/20	20040519	0.63	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0267	J	0.00451		0.0893	U	0.000220	U	0.000260	U	0.00470
04/08/20	20040712	0.21	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0381		0.00613	J	0.0758	U	0.000220	U	0.000260	U	0.00470
04/09/20	20040715	0.14	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0305		0.00632		0.1310	J	0.000304	U	0.000260	U	0.00470
04/10/20	20040788	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100		0.0303	J	0.00425		0.1170	J	0.000239	U	0.000260	U	0.00470
04/11/20	20040789	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00413		0.1480	J	0.000233	U	0.000260	U	0.00470
04/12/20	20040863	0.14	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00406		0.2490	U	0.000220	J	0.000798	U	0.00470
04/13/20	20040864	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0303	J	0.00449		0.1530	J	0.000305	U	0.000260	U	0.00470
04/14/20	20040940	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	J	0.0026	U	0.058	J	0.0194		0.01060	U	0.0160	J	0.000221	U	0.000298	J	0.00218
04/15/20	20041045	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0027	U	0.058	J	0.0139		0.00954	U	0.0160	J	0.000172	U	0.000298	J	0.00196
04/16/20	20041144	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0029	U	0.058	J	0.0148		0.00748	U	0.0160	J	0.000179	U	0.000298	J	0.00245
04/17/20	20041218	0.00	J	14.0	U	0.0098	U	0.0012		0.00220	U	0.0025	U	0.058	U	0.0135		0.01540	U	0.0160	J	0.000203	U	0.000298	J	0.00205
04/18/20	20041219	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00148
04/19/20	20041270	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00582	U	0.0160	J	0.000184	U	0.000298	J	0.00116

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/20/20	20041309	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0149		0.01510	U	0.0160	J	0.000224	U	0.000298	J	0.00285
04/21/20	20041406	0.14	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0190		0.00986	U	0.0160	J	0.000319	U	0.000298	J	0.00213
04/22/20	20041484	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0163		0.01630	U	0.0160	J	0.000178	U	0.000298	J	0.00176
04/23/20	20041585	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0182		0.01670	U	0.0160	J	0.000212	U	0.000298	J	0.00279
04/24/20	20041647	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	J	0.0026	U	0.058	J	0.0183		0.01260	J	0.0259	J	0.000257	U	0.000298	J	0.00303
04/25/20	20041695	0.20	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0217		0.01680	U	0.0160	J	0.000177	U	0.000298	J	0.00225
04/26/20	20041758	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0221		0.01070	U	0.0160	J	0.000210	U	0.000298	J	0.00278
04/27/20	20041877	0.00	U	6.1	U	0.0098	U	0..0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.00819	U	0.0160	J	0.000281	U	0.000298	J	0.00218
04/28/20	20041923	0.56	U	6.1	J	0.0121	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0264		0.02760	U	0.0160	J	0.000176	U	0.000298	J	0.00334
04/29/20	20041924	0.50	U	6.1	J	0.0157	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0189		0.01590	U	0.0160	U	0.000148	U	0.000298	J	0.00236
04/30/20	20050037	1.06	J	12.0	J	0.0186	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0231		0.00782	U	0.0160	J	0.000682	U	0.000298	J	0.00467
05/01/20	20050131	0.04	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0222		0.01270	U	0.0160	J	0.000536	U	0.000298	J	0.00357
05/02/20	20050132	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070	J	0.0188		0.01720	U	0.0160	J	0.000489	U	0.000298	J	0.00393
05/03/20	20050162	0.00	J	7.8	J	0.0199	U	0.0012	U	0.00091	U	0.0025	J	0.080	J	0.0193		0.00985	U	0.0160	J	0.000550	U	0.000298	J	0.00347
05/04/20	20050372	0.00	J	12.0		0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0215		0.01100	U	0.0160	J	0.000808	U	0.000053	J	0.00485
05/05/20	20050373	0.05	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0170		0.00908	U	0.0160	J	0.000498	U	0.000298	J	0.00413
05/06/20	20050757	0.16	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00977	U	0.0160	J	0.000363	U	0.000298	J	0.00430
05/07/20	20050576	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01460	U	0.0160	J	0.000273	U	0.000298	J	0.00285
05/08/20	20050711	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0194		0.00817	U	0.0160	J	0.000391	U	0.000298	J	0.00342
05/09/20	20050712	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0162		0.02610	U	0.0160	J	0.000365	U	0.000298	J	0.00294
05/10/20	20050713	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.01550	U	0.0160	J	0.000412	U	0.000298	J	0.00441
05/11/20	20050774	0.25	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.110	J	0.0172		0.02720	U	0.0160	J	0.000484	U	0.000298	J	0.00596
05/12/20	20050925	0.00	J	12.0	J	0.0117	U	0.0012	U	0.00091	U	0.0025	J	0.090	J	0.0180		0.00836	U	0.0160	J	0.000152	U	0.000298	J	0.00261
05/13/20	20051040	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0177		0.01410	U	0.0160	J	0.000201	U	0.000298	J	0.00241
05/14/20	20051126	0.10	J	7.8	U	0.0098	J	0.0024	U	0.00091	U	0.0025	U	0.058		0.0208		0.01900	U	0.0160	J	0.004200	U	0.000298		0.01540
05/15/20	20051208	3.05	J	14.0	U	0.0098	U	0.0012	J	0.00130	U	0.0025	U	0.058		0.0235		0.01220	U	0.0160	J	0.001650	U	0.000298	J	0.00969
05/16/20	20051210	0.07	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0229		0.00742	U	0.0160	J	0.001100	U	0.000298	J	0.00761
05/17/20	20051282	0.18	U	6.1	U	0.0098	U	0.0012	J	0.00092	U	0.0025	U	0.058		0.0230		0.01330	U	0.0160	J	0.000202	U	0.000298	J	0.00504
05/18/20	20051351	0.72	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0220		0.00823	J	0.0216	J	0.000391	U	0.000298	J	0.00698
05/19/20	20051440	0.14	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070	J	0.0189	J	0.00455	U	0.0160	J	0.000229	U	0.000298	J	0.00363
05/20/20	20051577	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070	J	0.0198		0.01110	U	0.0160	J	0.000332	U	0.000298	J	0.00392
05/21/20	20051697	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091		0.0090	U	0.058		0.0215		0.00928	U	0.0160	J	0.000225	U	0.000298	J	0.00379
05/22/20	20051760	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0059	J	0.070	J	0.0190		0.00933	U	0.0160	J	0.000265	U	0.000298	J	0.00339
05/23/20	20051761	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	J	0.0045	U	0.058	J	0.0149		0.00713	U	0.0160	U	0.000148	U	0.000298	J	0.00277
05/24/20	20051762	2.55	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0167		0.01310	U	0.0160	J	0.000241	U	0.000298	J	0.00316
05/25/20	20051819	0.54	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0190		0.01540	U	0.0160	U	0.000148	U	0.000298	J	0.00529
05/26/20	20051890	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0181		0.01100	U	0.0160	U	0.000148	U	0.000298	J	0.00172
05/27/20	20052025	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0201		0.01040	U	0.0160	J	0.000336	U	0.000298	J	0.00331
05/28/20	20052124	0.35	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0209		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00347
05/29/20	20052163	0.82	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0194		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00347
05/30/20	20052164	0.00	U	6.1	J	0.0116	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0198		0.00930	J	0.0221	U	0.000148	U	0.000298	J	0.00305
05/31/20	20060153	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00693
06/01/20	20060541	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.01270	U	0.0160	U	0.000148	U	0.000298	J	0.00216
06/02/20	20060292	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091		0.0079	U	0.058		0.0231		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00420

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
06/03/20	20060386	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091		0.0075	J	0.090		0.0266		0.02380	U	0.0160	J	0.000158	U	0.000298	J	0.00511
06/04/20	20060548	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00094	J	0.0047	U	0.058		0.0257		0.00844	U	0.0160	U	0.000148	U	0.000298	J	0.00720
06/05/20	20060683	0.00	J	12.0	U	0.0098	U	0.0012	J	0.00100	J	0.0040	U	0.058		0.0220		0.01240	U	0.0160	U	0.000148	U	0.000298	J	0.00555
06/06/20	20060684	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0037	U	0.058		0.0219		0.00625	U	0.0160	U	0.000148	U	0.000298	J	0.00396
06/07/20	20060771	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0272		0.00981	U	0.0160	U	0.000148	U	0.000298		0.01530
06/08/20	20060772	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	J	0.0063	U	0.058		0.0229		0.00580	U	0.0160	U	0.000148	U	0.000298	J	0.00598
06/09/20	20060879	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.01010	U	0.0160	J	0.000151	U	0.000298	J	0.00349
06/10/20	20061015	0.04	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0221		0.00783	U	0.0160	U	0.000148	U	0.000298	J	0.00134
06/11/20	20061126	0.05	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0249		0.01510	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/12/20	20061189	0.00	J	12.0	J	0.0129	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0228		0.01140	U	0.0160	U	0.000148	U	0.000298	J	0.00104
06/13/20	20061191	0.09	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0221		0.02230	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/14/20	20061255	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0226		0.00612	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/15/20	20061383	0.00	U	6.1	J	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0258		0.00935	U	0.0160	U	0.000148	U	0.000298	J	0.00256
06/16/20	20061443	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0235		0.00666	U	0.0160	U	0.000148	U	0.000298	J	0.00241
06/17/20	20061565	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0242	J	0.00483	U	0.0160	U	0.000148	U	0.000298	J	0.00271
06/18/20	20061662	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0265		0.00876	U	0.0160	U	0.000148	U	0.000298	J	0.00401
06/19/20	20061876	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0269		0.00947	U	0.0160	U	0.000148	U	0.000298	J	0.00206
06/20/20	20061877	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0273		0.01420	U	0.0160	U	0.000148	U	0.000298	J	0.00391
06/21/20	20061878	0.03	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0280		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00853
06/22/20	20061904	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0243		0.01210	U	0.0160	U	0.000148	U	0.000298		0.01200
06/23/20	20062062	1.48	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0041	U	0.058	B	0.0260		0.01190	U	0.0098	U	0.000148	U	0.000298		0.01430
06/24/20	20062141	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0239		0.01450	U	0.0160	U	0.000148	U	0.000298	J	0.00243
06/25/20	20062280	0.92	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.00840	U	0.0160	U	0.000148	U	0.000298	J	0.00270
06/26/20	20062337	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0251		0.00813	U	0.0160	U	0.000148	U	0.000298		0.02320
06/27/20	20062338	1.05	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0051	U	0.058		0.0248		0.01440	U	0.0160	U	0.000148	U	0.000298	J	0.00280
06/28/20	20062421	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	J	0.0034	U	0.058		0.0268		0.00779	U	0.0160	J	0.000214	U	0.000298	J	0.00419
06/29/20	20062569	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0244		0.01210	U	0.0160	U	0.000148	U	0.000298	J	0.00425
06/30/20	20060043	0.02	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0234		0.00862	U	0.0160	U	0.000148	U	0.000298	J	0.00364
07/01/20	20070160	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240		0.01240	U	0.0160	U	0.000148	U	0.000298	J	0.00458
07/02/20	20070206	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0223		0.01730	U	0.0160	U	0.000148	U	0.000298	J	0.00505
07/03/20	20070241	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0261		0.01010	U	0.0160	U	0.000148	U	0.000298	J	0.00881
07/04/20	20070242	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0234		0.01910	U	0.0160	U	0.000148	U	0.000298		0.01130
07/05/20	20070322	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248		0.00752	U	0.0160	U	0.000148	U	0.000298	J	0.00569
07/06/20	20070365	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0223		0.01190	U	0.0160	U	0.000148	U	0.000298	J	0.00618
07/07/20	20070492	0.00	J	9.5	U	0.0098	U	0.0012	J	0.00095	U	0.0025	U	0.058		0.0238		0.01630	U	0.0160	U	0.000148	U	0.000298	J	0.00845
07/08/20	20070584	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.00802	U	0.0160	U	0.000148	U	0.000298	J	0.00399
07/09/20	20070710	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0241		0.00516	U	0.0160	U	0.000148	U	0.000298	J	0.00480
07/10/20	20070780	0.20	U	6.1	U	0.0098	J	0.0014	U	0.00140	U	0.0025	U	0.058		0.0261		0.02750	U	0.0160	J	0.000179	U	0.000298	J	0.00308
07/11/20	20070781	0.90	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.00869	U	0.0160	U	0.000148	U	0.000298	J	0.00230
07/12/20	20070856	0.07	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0259		0.02370	U	0.0160	J	0.000237	U	0.000298	J	0.00345
07/13/20	20070924	0.00	U	6.1		0.0388	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0280		0.01880	U	0.0160	U	0.000265	U	0.000298	J	0.00708
07/14/20	20071022	0.00	J	7.3		0.0386	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.00792	U	0.0160	U	0.000148	U	0.000298	J	0.00510
07/15/20	20071101	0.00	J	16.0	U	0.0098	U	0.0012	U	0.00091	J	0.0033	U	0.058		0.0250		0.01460	U	0.0160	U	0.000148	U	0.000298	J	0.00423
07/16/20	20071238	0.95	U	6.1	J	0.0225	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0299		0.01070	U	0.0160	U	0.000148	U	0.000298	J	0.00580

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
07/17/20	20071342	0.00	J	14.0		0.0449	J	0.0014	U	0.00091	J	0.0036	U	0.058		0.0320		0.00830	U	0.0160	J	0.000184	U	0.000298	J	0.00257
07/18/20	20071343	0.00	J	14.0		0.0486	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0267		0.00911	U	0.0160	J	0.000246	U	0.000298	J	0.00409
07/19/20	20071487	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0225		0.02880	U	0.0470	J	0.000266	U	0.000260	J	0.00741
07/20/20	20071619	0.45	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.01970	U	0.0470	U	0.000220	U	0.000260	J	0.00582
07/21/20	20071734	0.00	U	6.1	J	0.0179	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0221		0.00930	U	0.0160	U	0.000220	U	0.000260	J	0.00756
07/22/20	20071834	0.12	J	7.3	J	0.0133	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0261		0.01020	U	0.0160	J	0.000151	U	0.000298	J	0.00625
07/23/20	20071980	0.04	U	6.1	J	0.0124	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0294		0.00929	U	0.0160	U	0.000148	U	0.000298	J	0.00634
07/24/20	20071981	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0060	U	0.058		0.0261		0.01620	U	0.0160	J	0.000189	U	0.000298	J	0.00495
07/25/20	20071979	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00130	U	0.0025	U	0.058		0.0262		0.00517	U	0.0160	U	0.000148	U	0.000298	J	0.00518
									J	0.00140															
07/26/20	20071982	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00140	U	0.0025	U	0.058		0.0221		0.01060	U	0.0160	U	0.000148	U	0.000298	J	0.00773
									U	0.00091															
07/27/20	20071983	0.08	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0294		0.01750	U	0.0160	U	0.000148	U	0.000298	J	0.00276
07/28/20	20072274	0.15	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0279		0.01190	U	0.0160	J	0.000149	U	0.000298	J	0.00296
07/29/20	20072368	0.00	J	12.0	J	0.0164	J	0.0013	U	0.00091	U	0.0025	J	0.080		0.0231		0.00949	U	0.0160	U	0.000148	U	0.000298	J	0.00353
07/30/20	20080101	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0225		0.00691	U	0.0160	U	0.000148	U	0.000298	U	0.00101
07/31/20	[2]	0.00		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
08/01/20	20080102	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0242		0.01300	U	0.0160	J	0.000184	U	0.000298	U	0.00101
08/02/20	20080103	0.60	J	9.5	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.01120	U	0.0160	J	0.000667	U	0.000298	J	0.00126
08/03/20	20080104	0.65	J	9.5	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254		0.00995	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/04/20	20080291	0.44	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00420	U	0.0160	J	0.000301	U	0.000298	U	0.00101
08/05/20	20080293	0.00	J	9.5	J	0.0132	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275	J	0.00368	U	0.0160	J	0.000274	U	0.000298	U	0.00101
08/06/20	20080403	0.01	J	12.0	J	0.0135	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0261		0.00518	J	0.0550	U	0.000146	U	0.000298	J	0.00152
08/07/20	20080507	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240		0.00837	U	0.0160	J	0.000170	U	0.000298	J	0.00110
08/08/20	20080568	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.00688	U	0.0160	U	0.000148	U	0.000298	J	0.00304
08/09/20	20080569	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0226		0.01940	U	0.0160	J	0.000164	U	0.000298	J	0.00353
08/10/20	20080646	0.02	J	9.5	J	0.0226	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0227		0.01540	U	0.0160	U	0.000148	U	0.000298	J	0.00289
08/11/20	20080755	0.34	J	7.3	J	0.0194	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0234	J	0.00450	U	0.0160	U	0.000148	U	0.000298	J	0.00475
									U	0.00091															
08/12/20	20080862	0.00	U	6.1	U	0.0098	J	0.0020	U	0.00091	U	0.0025	J	0.060		0.0236		0.00753	U	0.0160	U	0.000148	U	0.000298	J	0.00314
08/13/20	20081229	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0251		0.01140	U	0.0160	J	0.000381	U	0.000298	J	0.00257
08/14/20	20081162	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0243		0.01040	U	0.0160	J	0.000491	U	0.000298	J	0.00735
08/15/20	20081163	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0245		0.00801	U	0.0160	J	0.000171	U	0.000298	J	0.00197
08/16/20	20081164	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.00997	J	0.0343	U	0.000148	U	0.000298	J	0.00250
08/17/20	20081303	0.00	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.058		0.0256		0.01090	U	0.0160	U	0.000148	U	0.000298	J	0.00511
08/18/20	20081407	0.00	J	9.2	J	0.0147	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.01340	U	0.0160	U	0.000148	U	0.000298	J	0.00279
08/19/20	20081515	0.00	J	11.0		0.1400	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0269		0.01310	U	0.0160	U	0.000148	U	0.000298	J	0.00280
08/20/20	20081619	0.00	J	14.0		0.0455	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0245		0.01160	U	0.0160	U	0.000148	U	0.000298	J	0.00118
08/21/20	20081753	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0242		0.00828	U	0.0160	J	0.000233	U	0.000298	U	0.00101
08/22/20	20081864	0.00	J	14.0	J	0.0178	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0236		0.01940	U	0.0160	J	0.000189	U	0.000298	J	0.00780
08/23/20	20081865	0.00	J	9.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0222		0.00979	U	0.0160	U	0.000148	U	0.000298	J	0.00472
08/24/20	20081911	0.00	J	11.0	J	0.0132	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0241		0.00942	U	0.0160	U	0.000148	U	0.000298	J	0.00413
08/25/20	20081988	0.00	J	9.2		0.0438	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0239		0.00773	U	0.0160	U	0.000148	U	0.000298	J	0.00263
08/26/20	20082077	0.00	J	14.0	J	0.0144	J	0.0019	U	0.00091	U	0.0025	U	0.058		0.0235		0.00958	U	0.0160	J	0.000157	U	0.000298	J	0.00478

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
08/27/20	20082224	0.00	J	14.0	J	0.0122	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0259		0.01470	U	0.0160	J	0.000165	U	0.000298	J	0.00372
08/28/20	20082305	0.00	J	16.0	J	0.0126	J	0.0025	U	0.00091	U	0.0025	U	0.058		0.0248		0.00774	U	0.0160	U	0.000148	U	0.000298	J	0.00474
08/29/20	20082446	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262		0.00959	U	0.0160	J	0.000245	U	0.000298	J	0.00926
08/30/20	20082447	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252		0.01470	U	0.0160	J	0.000223	U	0.000298	J	0.00350
08/31/20	20082488	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248		0.00882	U	0.0160	U	0.000148	U	0.000298	U	0.00101
09/01/20	20090055	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0227		0.00783	U	0.0160	J	0.000222	U	0.000298	J	0.00255
09/02/20	20090196	0.48	U	6.1	J	0.0200	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.01350	U	0.0160	U	0.000148	U	0.000298	J	0.00327
09/03/20	20090292	0.00	U	6.1	U	0.0098	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0241		0.00514	U	0.0160	U	0.000148	U	0.000298	J	0.00130
09/04/20	20090472	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250		0.00515	U	0.0160	J	0.000210	U	0.000298	J	0.00139
09/05/20	20090643	0.00	U	6.1	U	0.0098	J	0.0022	U	0.00091	J	0.0030	U	0.058		0.0319		0.00524	U	0.0160	J	0.000192	U	0.000298	J	0.00192
09/06/20	20090645	0.08	U	6.1	J	0.0240	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00339	U	0.0160	U	0.000148	U	0.000298	J	0.00140
09/07/20	20090647	0.18	U	6.1	J	0.0125	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.00870	U	0.0160	U	0.000148	U	0.000298	J	0.00146
09/08/20	20090649	0.73	U	6.1	J	0.0151	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.00817	U	0.0160	J	0.000187	U	0.000298	J	0.00148
09/09/20	20090693	0.42	J	9.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0220		0.00910	U	0.0160	J	0.000335	U	0.000298	J	0.00125
09/10/20	20090834	0.01	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.00809	J	0.0207	J	0.000235	U	0.000298	J	0.00359
09/11/20	20091039	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0250	U	0.058		0.0236		0.00946	U	0.0160	J	0.000304	U	0.000298	J	0.00769
					U	0.0098																				
09/12/20	20091040	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0267		0.01570	J	0.0170	J	0.000284	U	0.000298	J	0.00214
09/13/20	20091041	0.26	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0241		0.01180	U	0.0160	J	0.000275	U	0.000298	J	0.00184
09/14/20	20091133	0.00	J	7.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0234		0.00638	U	0.0160	J	0.001980	U	0.000298	J	0.00607
09/15/20	20091236	0.00	U	6.1	U	0.0098	U	0.0011	U	0.00091	U	0.0025	U	0.058		0.0274		0.00861	U	0.0160	U	0.000148	U	0.000298	J	0.00450
09/16/20	20091353	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.01880	U	0.0160	J	0.000211	U	0.000298	J	0.00530
09/17/20	20091473	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0242		0.01020	U	0.0160	U	0.000148	U	0.000298	J	0.00513
09/18/20	20091539	0.00	J	11.0	J	0.0100	U	0.0012	U	0.00091	J	0.0032	U	0.058		0.0258		0.00919	U	0.0160	J	0.000178	U	0.000298	J	0.00767
09/19/20	20091703	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0035	U	0.058		0.0267		0.01670	U	0.0160	J	0.000154	U	0.000298	J	0.00707
09/20/20	20091704	0.00	U	6.1	J	0.0100	J	0.0016	U	0.00091	J	0.0044	U	0.058		0.0242		0.00886	U	0.0160	J	0.000157	U	0.000298	J	0.00749
09/21/20	20091705	0.00	U	6.1	J	0.0104	J	0.0015	U	0.00091	J	0.0026	U	0.058		0.0227		0.00990	U	0.0160	J	0.000179	U	0.000298	J	0.00702
09/22/20	20091827	0.00	U	6.1	J	0.0102	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0251		0.01230	U	0.0160	J	0.000214	U	0.000298	J	0.00358
09/23/20	20091957	0.00	U	6.1	J	0.0218	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0236		0.00836	U	0.0160	U	0.000148	U	0.000298	J	0.00192
09/24/20	20092108	0.00	J	7.1		0.0535	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.01140	U	0.0160	U	0.000148	U	0.000298	J	0.00195
09/25/20	20092243	0.00	U	6.1		0.0416	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0242		0.01550	U	0.0160	J	0.000160	U	0.000298	J	0.00279
09/26/20	20092380	0.00	J	12.0	J	0.0268	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.00766	U	0.0470	U	0.000148	U	0.000298	J	0.00176
09/27/20	20092381	0.00	J	7.6		0.0332	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0227		0.01750	U	0.0470	U	0.000148	U	0.000298	J	0.00234
09/28/20	20092382	0.20	J	7.6	J	0.0141	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0245	J	0.00444	U	0.0470	U	0.000220	U	0.000260	J	0.00220
09/29/20	20092512	0.27	J	14.0		0.0358	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255	J	0.00240	U	0.0470	U	0.000220	U	0.000260	U	0.00220
09/30/20	20092619	0.00	J	12.0	J	0.0108	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255	J	0.00319	J	0.0596	J	0.000338	U	0.000260	J	0.00446
10/01/20	20100173	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0281	U	0.00099		0.0810	U	0.000220	U	0.000260	J	0.00223
10/02/20	20100229	0.64	J	9.6		0.0607	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276	J	0.00290	U	0.0470	U	0.000220	U	0.000260	U	0.00220
10/03/20	20100393	0.00	J	14.0	J	0.0270	U	0.0012	U	0.00091	U	0.0025		0.160		0.0311	U	0.00099		0.2590	J	0.000410	U	0.000260	J	0.00496
10/04/20	20100394	0.40	J	16.0	J	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0278	U	0.00099		0.2080	J	0.000336	U	0.000260	J	0.00557
10/05/20	20100490	0.02	J	9.6	J	0.0103	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0318	J	0.00207		0.0873	U	0.000220	U	0.000260	J	0.00232
10/06/20	20100512	0.00	J	7.6	J	0.0129	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.00937	U	0.0160	U	0.000148	U	0.000298	J	0.00157
10/07/20	20100640	0.00	J	7.6		0.0344	U	0.0012	U	0.00091	U	0.0025	J	0.070	J	0.0191		0.00622	J	0.0200	U	0.000148	U	0.000298	U	0.00101
		0.00														0.0229										

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/08/20	20100924	0.00	J	9.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0239		0.00899	U	0.0160	U	0.000148	U	0.000298	J	0.00158
10/09/20	20100988	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0235		0.00744	U	0.0160	U	0.000148	U	0.000147	J	0.00186
10/10/20	20100989	0.00	J	9.6	J	0.0196	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0234		0.01050	J	0.0206	U	0.000148	U	0.000147	J	0.00164
10/11/20	20101078	0.00	J	12.0	J	0.0200	J	0.0016	U	0.00091	U	0.0025	J	0.070		0.0227		0.01060	J	0.0352	U	0.000148	U	0.000147	J	0.00242
10/12/20	20101154	0.00	J	12.0	J	0.0213	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0247		0.00943	U	0.0160	U	0.000148	U	0.000147	J	0.00202
10/13/20	20101285	0.14	J	9.6	J	0.0164	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.00506	U	0.0160	U	0.000148	U	0.000147	J	0.00117
10/14/20	20101345	0.00	J	7.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0234	J	0.00376	U	0.0160	U	0.000148	U	0.000147	J	0.00117
10/15/20	20101461	0.04	J	9.6	J	0.0247	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0236		0.01230	U	0.0160	U	0.000148	U	0.000147	J	0.00107
10/16/20	20101596	0.00	J	9.6	J	0.0299	U	0.0012	J	0.00099	U	0.0025	U	0.058		0.0278		0.00912	J	0.0188	U	0.000148	U	0.000147	J	0.00161
10/17/20	20101683	0.00	J	12.0	J	0.0174	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.01730	U	0.0160	U	0.000148	U	0.000147	J	0.00183
10/18/20	20101684	0.00	J	9.6		0.0332	U	0.0012	U	0.00091	U	0.0025		0.140		0.0290		0.01020	U	0.0160	U	0.000148	U	0.000147	J	0.00195
10/19/20	20101720	0.30	J	9.6		0.0449	U	0.0012	U	0.00091	J	0.0038	J	0.090		0.0268		0.01570	U	0.0160	U	0.000148	U	0.000147	J	0.00170
10/20/20	20101810	0.04	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0275		0.01660	U	0.0160	U	0.000148	U	0.000147	J	0.00157
10/21/20	20101968	0.17	J	12.0	U	0.0098	U	0.0012	J	0.00200	U	0.0025	J	0.060		0.0263		0.01820	J	0.0185	J	0.000152	U	0.001470	J	0.00214
10/22/20	20102072	0.62	J	9.6		0.0324	U	0.0012	J	0.00150	U	0.0025	J	0.060		0.0249		0.01060	U	0.0160	U	0.000148	U	0.000147	J	0.00309
10/23/20	20102241	0.00	J	12.0	J	0.0278	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0263		0.01820	U	0.0160	U	0.000148	U	0.000147	J	0.00225
10/24/20	20102312	0.32	J	9.6		0.0510	U	0.0012	J	0.00110	U	0.0025	J	0.060		0.0237		0.06510	U	0.0160	J	0.000507	U	0.000147	J	0.00719
10/25/20	20102313	0.03	J	12.0	J	0.0320	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0247		0.02160	J	0.0282	J	0.000446	U	0.000147	J	0.00619
10/26/20	20102317	0.08	J	9.6		0.0438	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255		0.02560	J	0.0467	J	0.000208	U	0.000147	J	0.00497
10/27/20	20102394	0.12	J	9.6		0.0394	J	0.0017	U	0.00091	U	0.0025	U	0.058		0.0269		0.01630	J	0.0297	J	0.000218	U	0.000147	J	0.00308
10/28/20	20102493	0.10	J	12.0	J	0.0235	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0276		0.01050	J	0.0305	J	0.000156	U	0.000147	J	0.00216
10/29/20	20102761	0.00	U	6.1	J	0.0246	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0279		0.01120	U	0.0160	J	0.000244	U	0.000147	J	0.00290
10/30/20	20102866	0.03	J	7.6	J	0.0223	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0268		0.01170	J	0.0263	J	0.000320	U	0.000147	J	0.00371
10/31/20	20110083	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0247		0.00616	J	0.0268	J	0.000304	U	0.000147		0.01060
11/01/20	20110084	0.00	J	12.0		0.0351	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0232		0.00894	J	0.0306	J	0.000413	U	0.000147		0.01420
11/02/20	20110096	0.00	J	9.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0243		0.01450	U	0.0160	J	0.000399	U	0.000147		0.01040
11/03/20	20440240	0.00	J	7.6		0.0337	U	0.0012		0.00400	U	0.0025	J	0.060		0.0238		0.01560	J	0.0163	J	0.000298	U	0.000147	J	0.00295
11/04/20	20110397	0.00	J	12.0	J	0.0173	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.01130	J	0.0305	J	0.000178	U	0.000147	J	0.00176
11/05/20	20110555	0.00	J	12.0		0.0419	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0263		0.01680	J	0.0165	J	0.000727	U	0.000147	J	0.00418
11/06/20	20110645	0.00	J	7.6	J	0.0121	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0275		0.01380	J	0.0213	J	0.000164	U	0.000147	J	0.00237
11/07/20	20110769	0.00	J	12.0	J	0.0252	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257		0.01050	J	0.0482	U	0.000148	U	0.000147	J	0.00149
11/08/20	20110770	0.00	J	7.6		0.0326	U	0.0012	U	0.00091	U	0.0025		0.100		0.0253		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00304
11/09/20	20110771	0.00	J	7.6	J	0.0296	J	0.0031	U	0.00091	U	0.0025		0.120		0.0244		0.01620	J	0.0181	U	0.000148	U	0.000147	J	0.00199
11/10/20	20110925	0.00	J	7.6	J	0.0288	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0239		0.01450	J	0.0231	U	0.000148	U	0.000147	J	0.00190
11/11/20	20111072	0.33	J	12.0	J	0.0180	U	0.0012	U	0.00091	U	0.0025		0.058		0.0247		0.02180	U	0.0160	J	0.000242	U	0.000147	J	0.00664
11/12/20	20111129	0.00	J	9.6	J	0.0309	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0253		0.01420	U	0.0160	U	0.000148	U	0.000147	J	0.00184
11/13/20	20111261	0.05	J	9.6	J	0.0236	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0278		0.00921	U	0.0160	U	0.000148	U	0.000147	J	0.00289
11/14/20	20111473	0.00	J	12.0	J	0.0100	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0283		0.01300	J	0.0220	U	0.000148	U	0.000147	J	0.00206
11/15/20	20111479	0.31	J	9.6	J	0.0202	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252		0.01200	U	0.0160	U	0.000148	U	0.000147	J	0.00231
11/16/20	20111480	0.03	J	14.0	J	0.0287	U	0.0012	J	0.00094	U	0.0025	U	0.058		0.0279		0.01430	J	0.0194	J	0.000210		0.000147	J	0.00176
11/17/20	20111560	0.00	J	12.0		0.0452	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0253		0.01750	J	0.0173	J	0.000162	U	0.000147	J	0.00324
11/18/20	20111718	0.00	J	12.0		0.0528	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0286		0.00845	J	0.0253	J	0.000176	U	0.000147	J	0.00156
11/19/20	20111767	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0260		0.01330	J	0.0164	U	0.000148	U	0.000147	J	0.00140
11/20/20	20111892	0.00	J	9.6	J	0.0254	U	0.0012	J	0.00150	U	0.0025	U	0.058		0.0253	J	0.00372	U	0.0160	U	0.000148	U	0.000147	U	0.00101

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
11/21/20	20112026	0.00	J	9.6	J	0.0273	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0285		0.01690	U	0.0160	U	0.000148	U	0.000147	J	0.00230
11/22/20	20112027	0.10	J	9.6		0.0337	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0254		0.01570	U	0.0160	U	0.000148	U	0.000147	U	0.00101
11/23/20	20112153	0.08	J	18.0	J	0.0287	J	0.0015	U	0.00091	U	0.0025	J	0.070		0.0250		0.00618		0.1550	J	0.000642	U	0.000147	J	0.00274
11/24/20	20112178	0.15	J	7.6	J	0.0300	J	0.0024	U	0.00091	U	0.0025	J	0.070		0.0266		0.02280	J	0.0160	J	0.000178	U	0.000178	J	0.00708
11/25/20	20112286	0.22	J	9.6	J	0.0284	J	0.0017	U	0.00091	U	0.0025	J	0.070		0.0252		0.01900	J	0.0223	U	0.000148	U	0.000147	J	0.00425
11/26/20	20112341	0.23	J	7.6	J	0.0197	J	0.0019	U	0.00091	U	0.0025	J	0.070		0.0237		0.01200	U	0.0160	J	0.000166	U	0.000147	J	0.00129
11/27/20	20112352	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0265		0.01290	U	0.0160	U	0.000148	U	0.000147	J	0.00202
11/28/20	20112466	0.00	U	6.1	J	0.0287	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0278		0.00859	U	0.0160	U	0.000148	U	0.000053	U	0.00101
11/29/20	20112448	0.00	U	6.1	J	0.0208	U	0.0012	J	0.00140	U	0.0025	J	0.070		0.0246		0.00765	U	0.0160	U	0.000148	U	0.000147	J	0.00132
11/30/20	20112450	0.00	J	9.6	J	0.0157	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0247		0.00990	U	0.0160	U	0.000148	U	0.000147	J	0.00219
12/01/20	20120059	0.03	J	12.0		0.0342	U	0.0012		0.00690	U	0.0025	J	0.060		0.0266		0.01890		0.2400	J	0.000526	U	0.000147		0.01360
									J	0.00130															
12/02/20	20120145	0.00	J	11.0		0.0362	U	0.0012	J	0.00190	U	0.0025	J	0.060		0.0292		0.00701		0.3450	J	0.000660	U	0.000147	J	0.00446
12/03/20	20120306	0.00	J	13.0	J	0.0260	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0282		0.00862		0.2830	J	0.000412	U	0.000147	J	0.00245
									U	0.00091															
12/04/20	20120409	0.00	J	8.7	J	0.0286	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0250		0.01070	J	0.0297	J	0.000324	U	0.000147	J	0.00220
12/05/20	20120562	0.00	U	6.1	J	0.0319	U	0.0012	J	0.00140	U	0.0025	J	0.070		0.0278		0.01140	J	0.0339	J	0.000333	U	0.000147	J	0.00205
12/06/20	20120563	0.02	J	8.7	J	0.0202	U	0.0012	J	0.00150	U	0.0025	J	0.080		0.0258		0.01030		0.1330	J	0.000361	U	0.000147	J	0.00248
12/07/20	20120564	0.00	J	13.0		0.0434	U	0.0012	J	0.00110	U	0.0025	J	0.080		0.0255		0.01640	J	0.0235	J	0.000305	U	0.000147	J	0.00264
12/08/20	20120682	0.00	J	11.0	J	0.0268	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0287		0.00585	J	0.0592	J	0.000243	U	0.000147	J	0.00103
12/09/20	20120806	0.00	J	8.7	J	0.0250	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0290		0.03050		0.1880	J	0.000309		0.000147	J	0.00233
12/10/20	20120911	0.00	J	6.6		0.0618	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0256		0.02320		0.1360	J	0.000277	U	0.000147	J	0.00206
									U	0.00091															
12/11/20	20121105	0.00	J	6.6	J	0.0203	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0263		0.00943		0.2030	J	0.000254	U	0.000147	J	0.00190
12/12/20	20121218	0.93	J	8.7	J	0.0224	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0257		0.02150		0.1020	J	0.000358	U	0.000147	J	0.00806
12/13/20	20121219	0.25		21.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0270		0.01470		0.1580	J	0.000601	U	0.000147		0.01380
12/14/20	20121279	0.00	J	8.7	J	0.0204	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0266		0.01300		0.0835	J	0.000205	U	0.000147	J	0.00986
12/15/20	20121355	0.00	J	11.0		0.0405	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0274		0.01470	J	0.0286	J	0.000342	U	0.000147		0.01440
12/16/20	20121475	0.00	J	8.7	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0301		0.02140		0.0804	J	0.000290	U	0.000147	J	0.00600
12/17/20	20121600	0.01	J	11.0		0.0329	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0302		0.01740		0.1060	J	0.000332	U	0.000147	J	0.00274
									U	0.00091															
12/18/20	20121724	0.03	U	6.1	J	0.0285	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0253		0.01460	U	0.0160	J	0.000284	U	0.000147	J	0.00506
									U	0.00091															
12/19/20	20121886	0.00	J	6.6		0.0460	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0269		0.01640		0.3150	J	0.000579	U	0.000147	J	0.00459
12/20/20	20121888	0.00	U	6.1	J	0.0239	J	0.0012	J	0.00130	U	0.0025	U	0.058		0.0269		0.01940	J	0.0447	J	0.000228	U	0.000147	J	0.00204
12/21/20	20121889	0.02	U	6.1		0.0395	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.01230	J	0.0703	J	0.000204	U	0.000147	J	0.00168
12/22/20	20121961	0.00	U	13.0		0.0320	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0266		0.02510	U	0.0160	J	0.000236	U	0.000147		0.01810
12/23/20	20122153	0.00	J	8.7	J	0.0319	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0297		0.02050	U	0.0160	J	0.000296	U	0.000147	J	0.00359
12/24/20	20122236	0.00	J	11.0	J	0.0231	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0277		0.01710	U	0.0160	J	0.000228	U	0.000147	J	0.00213
12/25/20	20122284	0.00	J	15.0	J	0.0294	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0248		0.02230	U	0.0160	J	0.000269	U	0.000147	J	0.00148
12/26/20	20122339	0.00	J	13.0		0.0399	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0344		0.03360	U	0.0160	J	0.000331	U	0.000147	J	0.00952
12/27/20	20122290	0.00	U	6.1		0.0326	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0231		0.01390	U	0.0160	J	0.000240	U	0.000147		0.01020
12/28/20	20122346	0.00	J	6.6	J	0.0295	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0271		0.01220	U	0.0160	J	0.000169	U	0.000147	J	0.00810

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/29/20	20122427	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0271		0.01430	U	0.0160	J	0.000869	U	0.001470	J	0.00527
									U	0.00170															
12/30/20	20122485	0.00	J	13.0		0.0452	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0270		0.01170	U	0.0160	J	0.000151	U	0.000147	J	0.00862
									U	0.00170															
12/31/20	20122574	0.00	J	11.0		0.0401	U	0.0012	U	0.00170		0.0025	J	0.090		0.0262		0.01300	U	0.0160	J	0.000199	U	0.000147	J	0.00730
01/01/21	21010092	0.00	J	6.6		0.0342	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0259		0.02280	U	0.0160	J	0.000193	U	0.000147	J	0.00831
01/02/21	21010093	0.00	J	8.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0240		0.01870	U	0.0160	J	0.000152	U	0.000147	J	0.00183
01/03/21	21010094	0.00	U	6.1		0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0260		0.00981	U	0.0160	J	0.000168	U	0.000147	J	0.00812
01/04/21	21010095	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025		0.058		0.0266		0.01880	U	0.0160	J	0.000149	U	0.000147	J	0.00919
01/05/21	21010177	0.00	J	13.0	J	0.0133	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0251		0.01150	U	0.0160	J	0.000427	U	0.000147	J	0.00731
01/06/21	21010331	0.00	U	6.1	J	0.0221	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0269		0.00774	U	0.0160	J	0.000207	U	0.000147	J	0.00891
01/07/21	21010411	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	J	0.0027	J	0.070		0.0286		0.01130	U	0.0160	J	0.000154	U	0.000147	J	0.00796
01/08/21	21010517	0.00	J	19.0		0.0343	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0264		0.01830	U	0.0160	J	0.000148	U	0.000147		0.01100
01/09/21	21010588	0.00	J	13.0		0.0417	J	0.0015	U	0.00170	U	0.0025	J	0.080		0.0279		0.01920	U	0.0160	J	0.000236	U	0.000147	J	0.00340
01/10/21	21010590	0.00	J	17.0	J	0.0113	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0258		0.03080	U	0.0160	J	0.000166	U	0.000147	J	0.00420
01/11/21	21010651	0.00	J	11.0		0.0374	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0238		0.01780	U	0.0160	U	0.000148	U	0.000147	J	0.00259
01/12/21	21010700	0.00	J	13.0		0.0343	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0262		0.03550	U	0.0160		0.000184	U	0.000147	J	0.00467
01/13/21	21010805	0.00	J	13.0	J	0.0232	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0282		0.01010	U	0.0160	U	0.000148	U	0.000147	J	0.00419
01/14/21	21010928	0.00	J	19.0	J	0.0107	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0281		0.00934	U	0.0160	U	0.000148	U	0.001470	J	0.00243
01/15/21	21011074	0.14	J	8.7	J	0.0101	J	0.0012	U	0.00170	U	0.0025	J	0.070		0.0261		0.02100	U	0.0160	U	0.000148	U	0.000147	J	0.00223
01/16/21	21011184	0.00	J	15.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0275		0.01820	U	0.0160	U	0.000148	U	0.000148	J	0.00513
01/17/21	21011185	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0026	J	0.060		0.0240		0.01710	U	0.0160	U	0.000148	U	0.000147	J	0.00509
01/18/21	21011223	0.00	J	13.0	J	0.0236	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0241		0.01600	U	0.0160	U	0.000148	U	0.000147	J	0.00333
01/19/21	21011284	0.00	J	11.0		0.0344	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0237		0.01330	U	0.0160	U	0.000148	U	0.000147	J	0.00258
01/20/21	21011406	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0244		0.01530	U	0.0160	U	0.000148	U	0.000147	J	0.00204
01/21/21	21011548	0.00	J	11.0	J	0.0248	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0242		0.01750		0.0160		0.000148		0.000147	J	0.00169
							U	0.0012																	
01/22/21	21011650	0.00	J	13.0	U	0.0098	U	0.0012	J	0.00190	U	0.0025	J	0.060		0.0264		0.01380	U	0.0160	U	0.000148	U	0.000147	J	0.00177
01/23/21	21011715	0.00	J	13.0	J	0.0143	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0266		0.02230	U	0.0160	J	0.000169	U	0.000147	J	0.00218
01/24/21	21011716	0.00	J	11.0		0.0325	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0253		0.01820	U	0.0160	U	0.000148	U	0.000147	J	0.00243
01/25/21	21011781	0.00	J	15.0	J	0.0141	U	0.0012	U	0.00170	U	0..0025	J	0.060		0.0238		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00475
01/26/21	21011913	0.00	J	6.6	J	0.0249	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0257		0.02290	U	0.0160	U	0.000148	U	0.000147	U	0.00101
									U	0.00170															
01/27/21	21011979	0.00	J	17.0	J	0.0302	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0253		0.01870	U	0.0160	U	0.000148	U	0.000147	J	0.00188
01/28/21	21012091	0.00	J	17.0		0.0751	U	0.0012		0.00260	U	0.0025	J	0.090		0.0307		0.01430	U	0.0160	J	0.000876	U	0.000088		0.01050
									U	0.00170															
01/29/21	21012199	0.00	J	8.7		0.0505	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0268		0.01900	U	0.0160	J	0.000203	U	0.000147	J	0.00309
01/30/21	21020055	0.00	J	11.0	U	0.0098	UU	0.0012	U	0.00170	U	0.0025	J	0.060		0.0269		0.01350	U	0.0160	J	0.000205	U	0.000147	J	0.00108
01/31/21	21020056	0.00	J	17.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0267		0.01430	U	0.0160	J	0.000236	U	0.000147	J	0.00207
02/01/21	21020057	0.00	J	15.0	J	0.0287	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0248		0.01690	U	0.0160	J	0.000570	U	0.000147	J	0.00446
02/02/21	21020107	0.00	J	11.0	J	0.0290	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267		0.01810	U	0.0160	J	0.000508	U	0.000147	J	0.00463
02/03/21	21020205	0.00	J	11.0	J	0.0143	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0260		0.02180	U	0.0160	J	0.000292	U	0.000147	J	0.00369
02/04/21	21020361	0.00	J	13.0	J	0.0310	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0279		0.00504	U	0.0160	J	0.000503	U	0.000147	J	0.00253

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
02/05/21	21020434	0.00	J	13.0	U	0.0098	U	0.0012	U U	0.00170 0.00170	U	0.0025	U	0.058		0.0284		0.01650	U	0.0160	J	0.000226	U	0.000147	J	0.00175
02/06/21	21020531	0.00	J	13.0	J	0.0112	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0363		0.00718	U	0.0160	J	0.000326	U	0.000147	J	0.00261
02/07/21	21020532	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00409	U	0.0166	U	0.000148	U	0.000147	J	0.00119
02/08/21	21020613	0.00	J	15.0	J	0.0207	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0312	J	0.00465	U	0.0160	J	0.000170	U	0.000147	J	0.00138
02/09/21	21020664	0.00		23.0	J	0.0113	U	0.0012	U	0.00170	U	0.0025		0.110		0.0362		0.00569	U	0.0160	J	0.000218	U	0.000147	J	0.00153
02/10/21	21020777	0.00	J	11.0	J	0.0206	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0246	J	0.00363	U	0.0160	U	0.000148	U	0.000147	J	0.00111
02/11/21	21020988	0.00		42.0		0.0884	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0299		0.00508	U	0.0160	J	0.000166	U	0.000147	J	0.00220
02/12/21	21020992	0.00	J	8.7	J	0.0159	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0286	J	0.00349	U	0.0160	U	0.000148	U	0.000147	U	0.00101
02/13/21	21021157	0.00	J	8.7	J	0.0156	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0295	J	0.00351		0.1020	U	0.000148	U	0.000147	J	0.00106
02/14/21	21021158	0.00	J	11.0	J	0.0185	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0299	J	0.00214	U	0.0160	J	0.000170	U	0.000147	J	0.00287
02/15/21	21021176	0.00	J	11.0		0.0376	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0291	J	0.00393	U	0.0160	J	0.000178	U	0.000147	J	0.00275
02/16/21	21021194	0.00	J	8.7		0.0475	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00339	U	0.0160	J	0.000276	U	0.000147	J	0.00381
02/17/21	21021270	0.00	J	19.0		0.0735	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0290		0.00574	U	0.0160	J	0.000300	U	0.000147	J	0.00867
02/18/21	21021327	0.00	J	15.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0314		0.00503	J	0.0181	J	0.000259	U	0.000147	J	0.00467
02/19/21	21021441	0.00	J	13.0	J	0.0143	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0256	J	0.00369	U	0.0160	J	0.000208	U	0.000147	J	0.00329
02/20/21	21021552	0.00	J	8.7	J	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0299	J	0.00353	U	0.0160	U	0.000148	U	0.000147	J	0.00140
02/21/21	21021555	0.00	J	13.0	J	0.0184	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0282	J	0.00373	U	0.0160	U	0.000148	U	0.000147	J	0.00106
02/22/21	21021593	0.00	J	11.0	J	0.0231	U	0.0120	U	0.00170	U	0.0025	J	0.090		0.0267	J	0.00385	U	0.0160	J	0.000349	U	0.000147	J	0.00593
02/23/21	21021613	0.00	J	11.0	J	0.0147	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0262	J	0.00238	U	0.0160	J	0.000250	U	0.000147	J	0.00502
02/24/21	21021809	0.00	J	17.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0481	J	0.00125	U	0.0160	J	0.000225	U	0.000147	J	0.00214
02/25/21	21021909	0.00	J	15.0	J	0.0317	UH	0.0053 0.0025	U	0.00170	U	0.0025	J	0.060		0.0258	J	0.00370	U	0.0160		0.000148	U	0.000147	U	0.00101
02/26/21	21022004	0.00	J	13.0	J	0.0129	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0266	J	0.00356	U	0.0160	U	0.000148	U	0.000147	J	0.00124
02/27/21	21030116	0.05	J	13.0	J	0.0273	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0252	J	0.00346	U	0.0160	U	0.000148	U	0.000147	U	0.00101
02/28/21	21030117	0.00	J	15.0	J	0.0111	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0247	J	0.00322	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/01/21	21030118	0.00	J	6.6	J	0.0118	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00347	U	0.0160	U	0.000148	U	0.000147	J	0.00134
03/02/21	21030187	0.00	J	11.0		0.0511	U	0.0012	U U	0.00170 0.00170	U	0.0025	J	0.080		0.0256	J	0.00341	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/03/21	21030347	0.00	J	11.0	J	0.0108	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0277	J	0.00401	U	0.0160	J	0.000208	U	0.000147	J	0.00129
03/04/21	21030375	0.00	J	15.0	J	0.0160	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0270	J	0.00357	U	0.0470	U	0.000148	U	0.000147	J	0.00158
03/05/21	21030536	0.00	J	8.7	U	0.0098	U	0.0012	U U	0.00170 0.00170	U	0.0025	U	0.058		0.0229		0.00990		0.1720	U	0.000220	U	0.000260	U	0.00220
03/06/21	21030752	0.00	U	6.1		0.0521	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0286	J	0.00296		0.1820	J	0.000330	U	0.000260	U	0.00220
03/07/21	21030755	0.00	J	13.0		0.0587	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0275	J	0.00311		0.0817	U	0.000220	U	0.000260	U	0.00220
03/08/21	21030759	0.00	J	13.0		0.1070	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0276	J	0.00297		0.4250	U	0.000220	U	0.000260	J	0.00255
03/09/21	21030781	0.00	J	17.0	J	0.0188	U	0.0012		0.00320	U	0.0025	J	0.070		0.0281	J	0.00305		0.1800	U	0.000220	U	0.000260	J	0.00387
03/10/21	21030899	0.00	J	15.0	J	0.0143	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0285	J	0.00259		0.4910	J	0.000342	U	0.000260	J	0.00856
03/11/21	21031075	0.00	J	11.0		0.0437	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0305	J	0.00393	J	0.0634	U	0.000220	U	0.000260	J	0.00227
03/12/21	21031303	0.00	J	11.0	J	0.0131	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0267	J	0.00470	J	0.0639	U	0.000220	U	0.000260	J	0.00251
03/13/21	21031403	0.00	J	11.0		0.0367	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0256	J	0.00429	J	0.0183	U	0.000148	U	0.000147	U	0.00101
03/14/21	21031404	0.00	J	15.0	J	0.0215	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0250	J	0.00415	U	0.0160	U	0.000148	U	0.000147	J	0.00204
03/15/21	21031482	0.00	J	19.0		0.0372	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0236	J	0.00414	U	0.0160	U	0.000148	U	0.000147	J	0.00250
03/16/21	21031561	0.00	J	13.0	J	0.0189	J	0.0012	J	0.00170	J	0.0025	J	0.070		0.0256	J	0.00339	U	0.0160	U	0.000148	U	0.000147	U	0.00101

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/17/21	21031689	0.00	J	8.7	J	0.0276	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0230	J	0.00332	U	0.0160	U	0.000148	U	0.000147	J	0.00106
03/18/21	21031806	0.08	J	15.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0255	J	0.00296	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/19/21	21031929	0.22	J	8.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0240	J	0.00302	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/20/21	21032048	0.00	J	7.5		0.0347	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0250	J	0.00390	U	0.0160	J	0.000184	U	0.000147	J	0.00121
03/21/21	21032049	0.00	U	6.1		0.0389	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0231	J	0.00380	U	0.0160	J	0.000188	U	0.000147	J	0.00135
03/22/21	21032125	0.00	U	6.1		0.0592	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0259	J	0.00303	U	0.0160	U	0.000148	U	0.000147	J	0.00108
03/23/21	21032170	0.00	U	6.1	J	0.0297	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0237	J	0.00296	U	0.0160	U	0.000148	U	0.000147	J	0.00213
03/24/21	21032291	0.15	J	7.5		0.0335	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0262	J	0.00318	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/25/21	21032382	0.00	U	6.1		0.0518	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0233	J	0.00349	U	0.0160	U	0.000148	U	0.000147	J	0.00121
03/26/21	21032504	0.82	U	6.1	J	0.0217	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0319	J	0.00363	U	0.0160	U	0.000148	U	0.000147	J	0.00532
03/27/21	21032688	0.00	J	9.7	J	0.0235	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0266	J	0.00356	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/28/21	21032689	0.23	J	18.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0244	J	0.00354	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/29/21	21032653	0.00	U	6.1	J	0.0218	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0275	J	0.00344	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/30/21	21032744	0.00	U	6.1		0.0503	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0276	J	0.00395	U	0.0160	J	0.000216	U	0.000147	J	0.00157
03/31/21	21032855	0.00	J	7.5	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0272	J	0.00382	U	0.0160	J	0.000182	U	0.000147	U	0.00101
04/01/21	21040045	0.00	J	9.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0272	J	0.00339	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/02/21	20140195	0.00	U	6.1	J	0.0290	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0307	J	0.00351	U	0.0160	J	0.000229	U	0.000147	J	0.00164
04/03/21	21040297	0.00	J	18.0	J	0.0264	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0274	J	0.00320	U	0.0160	J	0.000168	U	0.000147	U	0.00101
04/04/21	21040298	0.00	J	7.5		0.0354	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0261	J	0.00379	U	0.0160	J	0.000150	U	0.000147	J	0.00130
04/05/21	21040299	0.00	U	6.1	J	0.0178	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0269	J	0.00339	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/06/21	21040403	0.00	J	16.0		0.0440	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0286	J	0.00362	U	0.0160	J	0.000150	U	0.000147	J	0.00164
04/07/21	21040491	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0286	J	0.00327	U	0.0160	U	0.000147	U	0.000147	U	0.00101
04/08/21	21040491	0.17	J	14.0		0.0612	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0306		0.00788	U	0.0160	J	0.000895	U	0.000147	J	0.00535
04/09/21	21040735	0.03	J	12.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0246	J	0.00396	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/10/21	21040897	0.33	U	6.1	J	0.0221	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0272	J	0.00403	U	0.0160	U	0.000148	U	0.000147	J	0.00113
04/11/21	21040900	0.00	U	6.1		0.0419	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0262	J	0.00375	U	0.0160	U	0.000148	U	0.000147	J	0.00192
04/12/21	21040901	0.06	J	7.5	J	0.0101	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0246	J	0.00347	U	0.0160	U	0.000148	U	0.000147	J	0.00121
04/13/21	21041005	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0256	J	0.00347	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/14/21	21041151	0.00	U	6.1	J	0.0252	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0269	J	0.00382	U	0.0160	U	0.000148	U	0.000147	J	0.00176
04/15/21	21041266	0.00	U	6.1	J	0.0166	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0253	J	0.00331	U	0.0160	U	0.000148	U	0.000147	U	0.00730
04/16/21	21041397	0.00	J	7.5	U	0.0160	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0260	J	0.00337	U	0.0160	U	0.000148	U	0.000147	J	0.00140
04/17/21	21041556	0.00	J	14.0		0.0442	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0269	J	0.00354	U	0.0160	U	0.000148	U	0.000147	J	0.00306
04/18/21	21041558	0.00	J	9.7		0.0372	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0298	J	0.00340	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/19/21	21041612	0.23	J	7.5	J	0.0313	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0266	J	0.00395	U	0.0160	U	0.000148	U	0.000147	J	0.00197
04/20/21	21041698	0.03	U	6.1	J	0.0309	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0281	J	0.00359	U	0.0160	U	0.001480	U	0.000147	J	0.00107
04/21/21	21041849	0.04	J	7.5		0.0435	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0322	J	0.00367	U	0.0160	U	0.000148	U	0.000147	J	0.00116
04/22/21	21041949	0.00	J	7.5	J	0.0211	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0286	J	0.00324	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/23/21	21042134	0.00	J	9.7	J	0.0176	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0287	J	0.00336	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/24/21	21042196	0.15	J	9.7	J	0.0313	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0297	J	0.00327	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/25/21	21042199	0.00	J	14.0	J	0.0212	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0283	J	0.00369	U	0.0160	U	0.000148	U	0.000147	J	0.00153
04/26/21	21042257	0.00	U	6.1		0.0400	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0278	J	0.00347	U	0.0160	U	0.000148	U	0.000147	J	0.00135
04/27/21	21042376	0.00	J	12.0	J	0.0308	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0258	J	0.00332	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/28/21	21042474	0.39	J	18.0		0.0453	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00319	U	0.0160	U	0.000148	U	0.000147	U	0.00101
04/29/21	21042567	0.05	U	6.1		0.0508	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00309	U	0.0160	U	0.000148	U	0.000147	U	0.00101

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/30/21	21042714	0.00	U	6.1	J	0.0245	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0270	J	0.00319	U	0.0160	U	0.000148	U	0.000147	J	0.00226
05/01/21	21050017	0.00	J	9.7		0.0349	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0280	J	0.00317	U	0.0160	U	0.000148	U	0.000147	J	0.00117
05/02/21	21050018	0.01	J	14.0	J	0.0271	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0257	J	0.00350	U	0.0160	U	0.000148	U	0.000147	J	0.00110
05/03/21	21050086	0.19	J	12.0	J	0.0308	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0261		0.00858	U	0.0160	J	0.000698	U	0.000147	J	0.00399
05/04/21	21050234	0.00	U	6.1	J	0.0231	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0259	J	0.00417	U	0.0160	U	0.000148	U	0.000147	J	0.00217
05/05/21	21050345	0.00	J	9.7		0.0324	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0254	J	0.00395	U	0.0160	U	0.000148	U	0.000147	J	0.00112
05/06/21	21050423	0.01	U	6.1	J	0.0233	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0267	J	0.00360	U	0.0160	U	0.000148	U	0.000147	J	0.00140
05/07/21	21050534	0.00	J	9.7		0.0385	U	0.0012	U	0.00170	J	0.0032	J	0.060		0.0268	J	0.00407	U	0.0160	U	0.000148	U	0.000147	J	0.00101
05/08/21	21050731	0.31	U	6.1	J	0.0288	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0258	J	0.00323	U	0.0160	U	0.000148	U	0.000147	U	0.00101
05/09/21	21050732	1.70	J	18.0	J	0.0149	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0245	J	0.00368	U	0.0160	U	0.000148	U	0.000147	J	0.00138
05/10/21	21050733	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0266	J	0.00314	U	0.0160	U	0.000148	U	0.000147	U	0.00101
05/11/21	21050886	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0260	J	0.00284	U	0.0160	U	0.000148	U	0.000147	J	0.00124
05/12/21	21051004	0.00	J	12.0	J	0.0159	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0252	J	0.00283	U	0.0160	U	0.000148	U	0.000147	U	0.00101
05/13/21	21051097	0.00	U	6.1	J	0.0156	J	0.0013	U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00299	U	0.0404	U	0.000148	U	0.000147	U	0.00101
05/14/21	21051245	0.00	J	7.5	J	0.0285	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0252		0.00268	U	0.0404	U	0.000148	U	0.000050	U	0.00101
																		0.00258			U	0.000148	U	0.000050	U	0.00101
05/15/21	21051371	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0249		0.00267	U	0.0404	U	0.000148	U	0.000050	J	0.00109
05/16/21	21051373	0.00	J	9.7	J	0.0222	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0241		0.00291	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/17/21	21051412	0.00	U	6.1		0.0336	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0235		0.00278	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/18/21	21051529	0.01	J	16.0	J	0.0136	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0277	J	0.00043	U	0.0404	U	0.000148	U	0.000050	J	0.00125
05/19/21	21051662	0.14	J	12.0	J	0.0230	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0255		0.00396	U	0.0404	U	0.000148	U	0.000050	J	0.00188
05/20/21	21051779	0.00	J	16.0	J	0.0203	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0275		0.00313	U	0.0404	U	0.000148	U	0.000050	J	0.00912
05/21/21	21051888	0.00	J	16.0	J	0.0300	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0265		0.00287	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/22/21	21051974	0.00		20.0	J	0.0224	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0285		0.00555	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/23/21	21051975	0.00	J	18.0	J	0.0156	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0248		0.00301	U	0.0404	U	0.000148	U	0.000050	J	0.00306
05/24/21	21052029	0.00	J	16.0	J	0.0147	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0249		0.00282	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/25/21	21052131	0.00	J	16.0	J	0.0147	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0249		0.00282	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/26/21	21052265	0.27	J	12.0		0.0399	J	0.0012	U	0.00170	U	0.0025	J	0.070		0.0225		0.00261	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/27/21	21052377	0.03	J	18.0		0.0325	J	0.0013	U	0.00170	U	0.0025	J	0.080		0.0256		0.00291	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/28/21	21052505	1.03	J	14.0		0.0325	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0289		0.00279	U	0.0404	U	0.000148	U	0.000050	J	0.00103
05/29/21	21060028	0.00		20.0		0.0345	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0257		0.00262	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/30/21	21060029	0.00	J	16.0	J	0.0234	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0253		0.00256	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/31/21	21060030	0.00	J	12.0	J	0.0240	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0245		0.00364	U	0.0404	U	0.000148	U	0.000504	U	0.00101
06/01/21	***Sampling discontinued***																							
	On 04/09/21 Cleveland-Cliffs submitted to IDEM proposed modifications to the Outfall 002 ESP which included elimination of sampling at Manhole SS 2816																							
	IDEM approved the Cleveland-Cliffs-proposed modifications on 05/27/21																							

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 2816 - Blast Furnace Area Storm Sewer Manhole 2816 (C-Furnace)

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)

Notes

[1] Starting May 1, 2020, Outfall 002 total Cyanide and total phenolics data reflect samples collected in accordance with the IDEM-recommended revised composite sampling procedure.

[2] Starting July 31, 2020, 24-hr composite samples analyzed by Microbac and ALS are dated the day composite samples are collected (modified from the day composite samples are started at the direction of IDEM and U.S. EPA). As a result of this date reporting modification, there are no samples dated July 31, 2020.

[3] Results not available prior to preparation of interim status report.

Qualifiers

J Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)

U Analyte analyzed but not detected above the MDL

B Analyte detected in the associated Method Blank above the RL

1 Due to the outage of equipment required to perform total cyanide analysis by Kelada-01, samples analyzed by SM 4500-CN-E to meet holding times.

H Analyzed outside of holding time

M Matrix interference is present and matrix spike recovery is outside of acceptance limits

R Duplicate RPD is outside of acceptance limits

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/28/19	19102222-03	0.00	J	11.0	J	0.0221	U	0.0012	U	0.00180		0.0080	U	0.058		0.0283		0.00724	U	0.0412	U	0.000400	U	0.00050	J	0.00424
10/29/19	19102422-03	0.08	J	11.0	J	0.0108	U	0.0012	U	0.00091	U	0.0020	J	0.060		0.0292	U	0.00130		0.0823	J	0.000319	U	0.00026	U	0.00470
10/30/19	19102424-03	0.78		21.0	U	0.0098	U	0.0012	U	0.00091	J	0.0036	U	0.058		0.0272	U	0.00130	J	0.0736	J	0.000251	U	0.00026	U	0.00470
10/31/19	19110037-03	0.81	J	13.0	J	0.0153	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0329	U	0.00130		0.1640	J	0.000776	U	0.00026		0.01590
11/01/19	19110193-03	0.55	J	6.8	U	0.0098	U	0.0012	U	0.00091	U	0.0020	J	0.070		0.0379	U	0.00130		0.2740	J	0.000566	U	0.00026	U	0.00470
11/02/19	19110211-03	0.00	J	17.0	U	0.0098	J	0.0018	U	0.00091	U	0.0020	J	0.070		0.0346	U	0.00130		0.1290	J	0.000434	U	0.00026	U	0.00470
11/03/19	19110212-03	0.00	J	8.8		0.0325	U	0.0012	J	0.00170	J	0.0028	J	0.070		0.0350	J	0.00242		0.1730	J	0.003750	U	0.00026	J	0.00552
11/04/19	19110396-03	0.00	U	6.1	J	0.0127	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0303	U	0.00130		0.1030	J	0.000314	U	0.00026	U	0.00470
11/05/19	19110398-03	0.00	U	6.1		0.0468	U	0.0012	U	0.00091		0.0160	U	0.058		0.0303	U	0.00130		0.1100	J	0.000266	U	0.00026	U	0.00470
11/06/19	19110556-03	0.00	U	6.1		0.0323	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0271	U	0.00130		0.1360	J	0.000322	U	0.00026	U	0.00470
11/07/19	19110758-03	0.00	J	8.8	J	0.0145	U	0.0012	J J U	0.00110 0.00100 0.00091	J	0.0033	U	0.058		0.0288		0.00665	U	0.0412	J	0.000827	U	0.000500	J	0.00557
11/08/19	19110759-03	0.00		27.0		0.0649	U	0.0012	U	0.00091	J	0.0028	U	0.058		0.0301		0.00742	U	0.0412	J	0.000461	U	0.000500	J	0.00130
11/09/19	19110760-03	0.00	U	6.1		0.0384	J	0.0050	J U	0.00110 0.00091	U	0.0020	U	0.058		0.0280	J	0.00086	U	0.0412	J	0.000501	U	0.000500	J	0.00293
11/10/19	19110799-03	0.00	J	7.8	J	0.0154	U U	0.0012 0.0012	J U	0.00100 0.00091	J	0.0040	U	0.058		0.0269	J	0.00091	U	0.0412	J	0.000564	U	0.000500	J	0.00329
11/11/19	19110928-02	0.00	J	9.8	J	0.0208	J	0.0014	J	0.00100		0.0130	U	0.058		0.0343		0.01190	U	0.0412	J	0.000788	U	0.000500	J	0.00657
11/12/19	19110998-02	0.00	J	9.8		0.0412	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0294		0.00590	U	0.0412	J	0.001280	U	0.000500	J	0.00631
11/13/19	19111071-02	0.00	U	6.1		0.0421	J	0.0013	J	0.00130	J	0.0046	U	0.058		0.0362		0.00704	U	0.0412	J	0.000574	U	0.000500	J	0.00361
11/14/19	19111194-02	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0020	U	0.058		0.0310		0.00690	U	0.0412	J	0.000468	U	0.000500	J	0.00359
11/15/19	19111275-02	0.00	U	6.1	J	0.0279	U	0.0012	U	0.00091	J	0.0033	U	0.058		0.0256	J	0.00444	U	0.0412	U	0.000400	U	0.000500	J	0.00248
11/16/19	19111276-02	0.00	J	18.0		0.0429	U	0.0012	U	0.00091		0.0160	U	0.058		0.0241		0.00623	U	0.0412	U	0.000400	U	0.000500	J	0.00341
11/17/19	19111324-02	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091		0.0130	U	0.058		0.0232		0.00641	U	0.0412	U	0.000400	U	0.000500	J	0.00130
11/18/19	19111421-02	0.02	J	7.8		0.1950	J	0.0016	U	0.00091	J	0.0039	U	0.058		0.0257		0.00637	U	0.0412	U	0.000400	U	0.000500	J	0.00218
11/19/19	19111528-02	0.00	J	18.0	J	0.0284	J	0.0014	U	0.00091	U	0.0020	U	0.058		0.0281		0.00880	U	0.0412	U	0.000400	U	0.000500	J	0.00339
11/20/19	19111730-02	0.04	J	14.0		0.0653	J	0.0034	J	0.00180		0.0094	U	0.058		0.0332		0.00688	U	0.0412	U	0.000400	U	0.000500	J	0.00219
11/21/19	19111800-02	0.14	J	14.0	J	0.0313	J	0.0015	U	0.00091	U	0.0020	U	0.058		0.0355		0.01250	U	0.0412	J	0.000916	U	0.000500	J	0.00559
11/22/19	11911875-02	0.34	J	12.0		0.0374	J	0.0028	U	0.00091		0.0150	J	0.060		0.0279		0.01680	U	0.0412	J	0.000457	U	0.000500	J	0.00352
11/23/19	19111877-02	0.00	U	6.1	J	0.0162		0.0150		0.01500	J	0.0056	J	0.080		0.0265	J	0.00496	U	0.0412	J	0.000469	U	0.000500	J	0.00301
11/24/19	19111925-02	0.00	J	7.8	J	0.0291		0.0059		0.00240	J	0.0023	U	0.058		0.0239		0.01140	U	0.0412	U	0.003300	U	0.000053	J	0.00205
11/25/19	19112036-02	0.00	J	7.8		0.1540	J	0.0022		0.00350		0.0120	J	0.060		0.0231		0.00608	U	0.0412	U	0.000400	U	0.000500	J	0.00343
11/26/19	19112147-02	0.00	J	7.8		0.0815	J	0.0038	U	0.00091	J	0.0049	J	0.060	B	0.0313	J	0.00140	U	0.0412	U	0.000400	U	0.000500	J	0.00271
11/27/19	19112245-02	0.35	J	16.0		0.0529	J	0.0037	J	0.00150	J	0.0031	J	0.060	B	0.0135		0.00771	U	0.0412	U	0.000400	U	0.000500	J	0.00220
11/28/19	19112246-02	0.00	J	9.8		0.0467	U	0.0012	U	0.00091		0.0110	J	0.060	B	0.0235	J	0.00328	U	0.0412	U	0.000400	U	0.000500	J	0.00252
11/29/19	19120034-02	0.00	J	9.8		0.0668	J	0.0023	U	0.00091	U	0.0025	J	0.060		0.0289		0.01030	U	0.0412	J	0.000651	U	0.000500	J	0.00793
11/30/19	19120035-02	0.02	J	9.8		0.0480	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0222		0.00545	U	0.0412	J	0.000550	U	0.000500	J	0.00729
12/01/19	19120036-02	0.25	J	12.0	J	0.0313	J	0.0031	U	0.00091	U	0.0025	U	0.058		0.0222		0.00851	U	0.0412	U	0.000400	U	0.000500	J	0.00334
12/02/19	19120164-02	0.24	J	16.0		0.0383	J	0.0100 0.0032		0.00720 0.00750	U	0.0025	U	0.058		0.0249		0.01370	U	0.0412	U	0.000400	U	0.000500	J	0.00280
12/03/19	19120269-02	0.00	J	12.0		0.0365	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0204		0.00565	U	0.0412	J	0.000447	U	0.000053	J	0.00447
12/04/19	19120331-02	0.00	J	14.0	J	0.0099		0.0056	J	0.00097	U	0.0025	U	0.058		0.0215		0.00633	U	0.0412	J	0.000403	U	0.000500	J	0.00654
12/05/19	19120521-02	0.00	J	14.0		0.0492	J	0.0048		0.00250	J	0.0056	U	0.058		0.0217		0.00649	U	0.0412	U	0.000400	U	0.000500	J	0.00483

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																									
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/06/19	19120522-02	0.00	J	18.0		0.0482	J	0.0016	J	0.00180	J	0.0027	U	0.058		0.0262	J	0.00086	U	0.0412	U	0.000400	U	0.000500	J	0.00224
12/07/19	19120523-02	0.00	J	12.0	J	0.0261	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0199	J	0.00284	U	0.0412	U	0.000400	U	0.000500	J	0.00207
12/08/19	19120671-02	0.00	J	18.0	U	0.0098	J	0.0031		0.00320	J	0.0028	U	0.058		0.0216		0.01080	U	0.0412	U	0.003300	U	0.000053	J	0.00614
12/09/19	19120798-02	0.40		24.0	U	0.0098		0.0096		0.00970	J	0.0035	U	0.058		0.0240		0.00501	U	0.0412	U	0.000400	U	0.000500	J	0.00980
12/10/19	19120902-02	0.00	J	14.0		0.0573		0.0430		0.04100		0.0066	U	0.058		0.0280		0.01840	U	0.0412	U	0.000400	U	0.000500	J	0.00541
																0.0391	J	0.00382			U	0.000400	U	0.000500	J	0.00278
12/11/19	19121042-02	0.00	J	14.0		0.0407	U	0.0012	J	0.00190	U	0.0025	U	0.058		0.0403	J	0.00286	U	0.0412	J	0.000460	U	0.000260	U	0.00470
12/12/19	19121080-02	0.00	J	12.0		0.0573	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0226	J	0.00239	J	0.0788	J	0.000279	U	0.000260	U	0.00470
12/13/19	19121117-02	0.00	J	12.0		0.0470	U	0.0012	J	0.00140	J	0.0060	U	0.058		0.0258	J	0.00197	U	0.0470	U	0.000220	U	0.000260	J	0.00586
12/14/19	19121118-02	0.00	J	16.0		0.0357	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0233	U	0.00130	J	0.0606	U	0.000220	U	0.000260	J	0.00522
12/15/19	19121196-02	0.00	J	20.0	J	0.0163	U	0.0012		0.00370	J	0.0041	U	0.058		0.0269	U	0.00130		0.1040	U	0.000220	U	0.000260	U	0.00470
12/16/19	19121275-02	0.00	J	14.0		0.0367	U	0.0012	J	0.00150	U	0.0025	U	0.058		0.0318	U	0.00130	J	0.0666	U	0.000220	U	0.000260	U	0.00470
12/17/19	19121403-02	0.00	J	18.0	J	0.0254		0.0071		0.01400	J	0.0053	U	0.058		0.0342	U	0.00130		0.1610	U	0.000220	U	0.000260	U	0.00470
12/18/19	19121498-02	0.00	J	18.0	J	0.0168	U	0.0012	J	0.00130	J	0.0052	U	0.058		0.0492	J	0.00222		0.2370	J	0.000400	U	0.000260	U	0.00470
12/19/19	19121711-02	0.00	J	14.0	J	0.0142	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0364	U	0.00130		0.1300	J	0.000265	U	0.000260	U	0.00470
12/20/19	19121737-02	0.00	J	9.8		0.0329	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0311	U	0.00130		0.0905	U	0.000220	U	0.000260	U	0.00470
12/21/19	19121739-02	0.00	J	14.0		0.0373	U	0.0012	U	0.00091	J	0.0061	U	0.058		0.0301	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/22/19	19121740-02	0.00	J	12.0		0.0808	U	0.0012	U	0.00091		0.0110	U	0.058		0.0276	U	0.00130		0.0855	U	0.000220	U	0.000260	U	0.00470
12/23/19	19121768-02	0.00	J	18.0	J	0.0275	U	0.0012	U	0.00091	J	0.0032	U	0.058		0.0310	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/24/19	19121834-02	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0360	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/25/19	19121851-02	0.00	J	14.0	J	0.0102	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	J	0.00388	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/26/19	19121968-02	0.00	J	10.0	U	0.0098	J	0.0037	J	0.00190	U	0.0025	U	0.058		0.0294	J	0.00416	U	0.0470	U	0.000220	U	0.000260	J	0.00542
12/27/19	19122019-02	0.00	U	6.1	U	0.0098	J	0.0013		0.00210	U	0.0025	U	0.058		0.0277	B	0.27400	U	0.0470	J	0.002040	U	0.000260		0.42600
12/28/19	19122020-02	0.00	J	8.4	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0262	J	0.00209	U	0.0470	U	0.000220	U	0.000260	J	0.00598
12/29/19	19122025-02	0.55	U	6.1	U	0.0098		0.0064	U	0.00460	U	0.0025	U	0.058		0.0268	J	0.00236	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/30/19	19122038-02	0.75	J	8.4	J	0.0159	J	0.0022	J	0.00170	U	0.0025	U	0.058		0.0249		0.00850	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/31/19	20010024-02	0.00	U	6.1	J	0.0180	J	0.0036	U	0.00091	U	0.0025	U	0.058		0.0272	U	0.00130	J	0.0619	U	0.000220	U	0.000260	U	0.00470
01/01/20	20010026-02	0.00	J	8.4	J	0.0126	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0242	U	0.00130	J	0.0757	U	0.000220	U	0.000260	J	0.00536
01/02/20	20010096-02	0.00	J	6.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0311	U	0.00130		0.1200	U	0.000220	U	0.000260	U	0.00470
01/03/20	20010162-02	0.00	J	12.0	J	0.0291	U	0.0012	U	0.00091		0.0067	U	0.058		0.0260		0.02980	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/04/20	20010166-02	0.80	J	12.0	J	0.0144	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0263	J	0.00144		0.1560	J	0.000473	U	0.000260	U	0.00447
01/05/20	20010207-02	0.00	J	8.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0276	U	0.00130		0.2230	U	0.000220	U	0.000260	U	0.00470
01/06/20	20010289-02	0.00	J	8.4	J	0.0202	J	0.0038		0.00310	U	0.0025	U	0.058		0.0331	U	0.00130	J	0.0471	U	0.000220	U	0.000260	U	0.00470
01/07/20	20010412-02	0.00	J	6.4	U	0.0098	1	0.0069		0.00450	U	0.0025	U	0.058		0.0305	U	0.00130		0.1240	J	0.000254	U	0.000260	U	0.00470
01/08/20	20010509-02	0.00	U	6.1		0.0472	1	0.0100	U	0.00091	J	0.0035	U	0.058		0.0286	U	0.00130		0.0943	U	0.000220	U	0.000260	U	0.00470
01/09/20	20010640-02	0.00	J	6.4		0.0683	1	0.0056	J	0.00120		0.0067	U	0.058		0.0287	U	0.00130	J	0.0734	U	0.000220	U	0.000260	U	0.00470
01/10/20	20010738-02	0.02	J	6.4	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0317	U	0.00130	J	0.0506	J	0.000312	U	0.000260	U	0.00470
01/11/20	20010739-02	2.75	J	12.0	J	0.0115	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284	U	0.00130		0.4820	J	0.000733	U	0.000260	U	0.00470
01/12/20	20010740-02	0.50	J	10.0	J	0.0117	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0347	U	0.00130		0.4800	J	0.000656	U	0.000260	U	0.00470
01/13/20	20010820-02	0.00	J	18.0	J	0.0246	U	0.0012		0.00230	U	0.0025	U	0.058		0.0296	U	0.00130		0.3130	J	0.000673	U	0.000260	U	0.00470
01/14/20	20010926-02	0.00	J	10.0	J	0.0126	J	0.0032		0.00310	U	0.0025	U	0.058		0.0275	U	0.00130		0.1560	U	0.000220	U	0.000260	U	0.00470
01/15/20	20011007-02	0.00	J	8.4	J	0.0172	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0293	J	0.00131		0.2160	J	0.000319	U	0.000260	U	0.00470
01/16/20	20011260-02	0.00	J	8.4		0.0332	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0273	J	0.00281		0.7090	J	0.001020	U	0.000260	J	0.00614
01/17/20	20011209-02	0.00	J	6.4	J	0.0200	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0246	J	0.00164		0.3130	J	0.000585	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/18/20	20011212-02	0.00	J	16.0	J	0.0193	U	0.0012		0.00300	U	0.0025	U	0.058		0.0300	J	0.00163		0.3660	J	0.000745	U	0.000260	U	0.00470
01/19/20	20011236-02	0.00	J	10.0		0.0503	U	0.0012	U	0.00091	J	0.0026		0.130		0.0308	J	0.00192		0.4850	J	0.001850	U	0.000260	J	0.00517
01/20/20	20011295-02	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0267	U	0.00130		0.2650	J	0.000295	U	0.000260	U	0.00470
01/21/20	20011440-02	0.00	U	6.1	J	0.0314	J	0.0022	J	0.00180	J	0.0042	J	0.080		0.0253	U	0.00130		0.1860	J	0.000276	U	0.000260	U	0.00470
01/22/20	20011487-02	0.00	J	8.2	J	0.0227	J	0.0023	U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130		0.1750	J	0.000289	U	0.000260	U	0.00470
01/23/20	20011697-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0280	U	0.00130		0.1880	J	0.000311	U	0.000260	U	0.00470
01/24/20	20011698-02	0.00	J	10.0	J	0.0225	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0297	U	0.00130		0.1770	J	0.000312	U	0.000260	U	0.00470
01/25/20	20011699-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0286	U	0.00130		0.1930	J	0.000231	U	0.000260	U	0.00470
01/26/20	20011755-02	0.00	J	10.0	U	0.0098	U	0.0012		0.00280	U	0.0025	U	0.058		0.0282	U	0.00130		0.1410	J	0.000276	U	0.000260	U	0.00470
01/27/20	20011757-02	0.00	J	8.2	J	0.0129	U	0.0012	J	0.00170	U	0.0025	U	0.058		0.0251	U	0.00130		0.2070	J	0.000323	U	0.000260	U	0.00470
01/28/20	20011964-02	0.00	U	6.1		0.0581	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0282	J	0.00204		0.0858	U	0.000220	U	0.000260	U	0.00470
01/29/20	20011966-02	0.00	J	8.2		0.0346	U	0.0012	U	0.00091	J	0.0040	U	0.058		0.0298	U	0.00130		0.0948	U	0.000220	U	0.000260	U	0.00470
01/30/20	20020095-02	0.00		5.7		0.0450	U	0.0012	U	0.00091		0.0079	U	0.058		0.0275	U	0.00130	J	0.0676	U	0.000220	U	0.000260	U	0.00470
01/31/20	20020016-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0266	U	0.00130		0.0886	U	0.000220	U	0.000260	U	0.00470
02/01/20	20020018-02	0.00	U	6.1	J	0.0123	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250	U	0.00130	J	0.0719	U	0.000220	U	0.000260	U	0.00470
02/02/20	20020205-02	0.00	J	10.0	J	0.0161	U	0.0012	J	0.00120	J	0.0052	U	0.058		0.0303	U	0.00130	J	0.0797	J	0.000503	U	0.000260	U	0.00470
02/03/20	20020210-02	0.00	J	6.2	J	0.0303	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0296	U	0.00130		0.1050	U	0.000220	U	0.000260	U	0.00470
02/04/20	20020382-02	0.00	U	3.0		0.0260	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0324	U	0.00130		0.1990	J	0.000293	U	0.000260	U	0.00470
02/05/20	20020472-02	0.00	J	10.0		0.0366	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0353	U	0.00130		0.2070	J	0.000250	U	0.000260	U	0.00470
02/06/20	20020622-02	0.00	J	10.0	J	0.0102	U	0.0012		0.00290	U	0.0025	U	0.058		0.0278	U	0.00130		0.1600	U	0.000220	U	0.000260	U	0.00470
02/07/20	20020620-02	0.00	J	10.0	U	0.0098	U	0.0012	J	0.00100	U	0.0025	U	0.058		0.0308	U	0.00130		0.2370	J	0.000245	U	0.000260	U	0.00470
02/08/20	20020621-02	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284	U	0.00130		0.1300	J	0.000245	U	0.000260	U	0.00470
02/09/20	20020728-02	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	U	0.00130		0.1750	J	0.000229	U	0.000260	U	0.00470
02/10/20	20020730-02	0.00	J	8.2	U	0.0098	J	0.0028		0.00400	U	0.0025	U	0.058		0.0279	U	0.00130		0.2500	J	0.000249	U	0.000260	U	0.00470
02/11/20	20020816-02	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0300	U	0.00130		0.3750	J	0.000397	U	0.000260	U	0.00470
02/12/20	20020913-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0329	U	0.00130		0.0994	U	0.000220	U	0.000260	U	0.00470
02/13/20	20021000-02	0.00	J	6.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0304	U	0.00130		0.1890	J	0.000397	U	0.000260	U	0.00470
02/14/20	20021001-04	0.00	J	8.2	J	0.0114	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271	U	0.00130		0.2650	J	0.000497	U	0.000260	U	0.00470
02/15/20	20021104-04	0.00	J	12.0	J	0.0271	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0322	U	0.00130		0.2140	J	0.000359	U	0.000260	U	0.00470
02/16/20	20021103-04	0.00	U	6.1	J	0.1170	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0259	U	0.00130		0.3040	J	0.000330	U	0.000260	U	0.00470
02/17/20	20021161-04	0.00	J	8.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0329	U	0.00130		0.1630	J	0.000290	U	0.000260	U	0.00470
02/18/20	20021271-02	0.00	U	6.1	J	0.0157	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0284	U	0.00130		0.1810	J	0.000336	U	0.000260	U	0.00470
02/19/20	20021338-02	0.00	J	10.0	J	0.0215	U	0.0012	U	0.00091	J	0.0029	U	0.058		0.0298	U	0.00130		0.1350	J	0.000279	U	0.000260	U	0.00470
02/20/20	20021421-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0318	J	0.00154		0.1210	J	0.000493	U	0.000260	U	0.00470
02/21/20	20021529-02	0.00	U	6.1		0.0432	U	0.0012		0.00240		0.0065	U	0.058		0.0316	U	0.00130		0.1110	J	0.000283	U	0.000260	U	0.00470
02/22/20	20021530-02	0.00	U	6.1		0.0392	U	0.0012	J	0.00110	J	0.0044	U	0.058		0.0340	U	0.00130		0.1070	J	0.000236	U	0.000260	U	0.00470
02/23/20	20021531-02	0.00	J	10.0		0.0563	U	0.0012	J	0.00190		0.0073	U	0.058		0.0293	U	0.00130		0.0957	U	0.000220	U	0.000260	U	0.00470
02/24/20	20021611-02	0.00	U	6.1		0.0580	U	0.0012	J	0.00120	J	0.0025	U	0.058		0.0290	U	0.00130		0.1340	J	0.000263	U	0.000260	U	0.00470
02/25/20	20021690-02	0.18	J	8.0		0.0355	J	0.0025	J	0.00100	J	0.0038	U	0.058		0.0257	J	0.00406		0.1340	J	0.000372	U	0.000260	U	0.00470
02/26/20	20021796-02	0.00	J	10.0		0.0724	J	0.0025	U	0.00091	J	0.0039	U	0.058		0.0410	U	0.00130		0.2190	J	0.000483	U	0.000260	U	0.00470
02/27/20	20021916-02	0.00	J	12.0	J	0.0201	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0504	U	0.00130		0.3090	J	0.000898	U	0.000260	U	0.00470
02/28/20	20020047-02	0.00	J	10.0	J	0.0154	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0332	J	0.00261		0.2680	J	0.000415	U	0.000260	U	0.00470
02/29/20	20030048-02	0.00	U	6.1		0.0753	U	0.0012	U	0.00091		0.0085	U	0.058		0.0326	J	0.00267		0.3300	J	0.000440	U	0.000260	U	0.00470
03/01/20	20030118-02	0.00	J	7.8		0.0974	U	0.0012	J	0.00110		0.0082	U	0.058		0.0457	J	0.00175		0.4680	J	0.000493	U	0.000260	U	0.00470

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/02/20	20030242-02	0.00	J	12.0		0.0587	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0332	J	0.00407		0.1510	J	0.000394	U	0.000260		0.01330
03/03/20	20030243-02	0.00	U	6.1		0.0817	J	0.0023	U	0.00091		0.0110	U	0.058		0.0313	J	0.00153		0.1720	U	0.000220	U	0.000260	U	0.00470
03/04/20	20030321-02	0.02	J	12.0		0.0510	J	0.0017	U	0.00091	U	0.0025	U	0.058		0.0324	U	0.00130		0.1760	J	0.000272	U	0.000260	U	0.00470
03/05/20	20030577-02	0.00	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0341	U	0.00130		0.1940	J	0.000455	U	0.000260	U	0.00470
03/06/20	20030578-02	0.01	U	6.1		0.0946	J	0.0015	U	0.00091		0.0140	U	0.058		0.0255	J	0.00173		0.6660	J	0.001040	U	0.000260	J	0.00546
03/07/20	20030582-02	0.00	J	12.0	J	0.0288	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0266	U	0.00130		0.3130	J	0.000603	U	0.000260	U	0.00470
03/08/20	20030585-02	0.00	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0292	U	0.00130		0.6370	J	0.000460	U	0.000260	U	0.00470
03/09/20	20030630-02	0.00	J	9.8	J	0.0191	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0361	J	0.00163		0.2660	J	0.000544	U	0.000260	U	0.00470
03/10/20	20030765-02	0.54	J	12.0	J	0.0313	J	0.0014	J	0.00110	J	0.0041	U	0.058		0.0292	J	0.00334		0.2830	J	0.000671	U	0.000260	U	0.00470
03/11/20	20030860-02	0.00	J	12.0	J	0.0313	J	0.0014	J	0.00110	J	0.0041	U	0.058		0.0292	J	0.00334		0.2830	J	0.000671	U	0.000260	U	0.00470
03/12/20	20031067-02	0.00	U	6.1		0.0349	J	0.0017	J	0.00110	U	0.0025	U	0.058		0.0288	U	0.00130		0.4130	J	0.000549	U	0.000260	U	0.00470
03/13/20	20031068-02	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255		0.00688		0.3210	J	0.000411	U	0.000260	U	0.00470
03/14/20	20031070-02	0.00	J	9.8	U	0.0098	J	0.0015	U	0.00091	J	0.0034	U	0.058		0.0262	J	0.00254		0.1690	J	0.000282	U	0.000260	U	0.00470
03/15/20	20031147-02	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00270		0.2890	J	0.000503	U	0.000260	J	0.00681
03/16/20	20031244-02	0.00	J	12.0	U	0.0098	J	0.0023	U	0.00091	U	0.0025	J	0.080		0.0259	J	0.00234		0.3420	J	0.000455	U	0.000260	J	0.00713
03/17/20	20031337-02	0.04	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0285	U	0.00130		0.2130	J	0.000312	U	0.000260	U	0.00470
03/18/20	20031339-02	0.00	U	6.1	J	0.0144	J	0.0029	U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130		0.2060	J	0.000326	U	0.000260	U	0.00470
03/19/20	20031540-02	0.35	U	6.1	J	0.0179	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0277	J	0.00214		0.2230	J	0.000246	U	0.000266	J	0.00609
03/20/20	20031544-02	0.40	U	6.1	J	0.0145	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0314	U	0.00130		0.3190	J	0.000306	U	0.000260	U	0.00470
03/21/20	20031545-02	0.00	U	6.1	U	0.0098	J	0.0019	U	0.00091	U	0.0025	U	0.058		0.0315	J	0.00144		0.4030	J	0.000566	U	0.000260	U	0.00470
03/22/20	20031543-02	0.00	J	14.0	U	0.0098	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0327	J	0.00178		0.3640	J	0.000548	U	0.000260	J	0.00496
03/23/20	20031590-02	0.00	U	6.1	U	0.0098	J	0.0027	U	0.00091	U	0.0025	U	0.058		0.0295	J	0.00267		0.5320	J	0.000220	U	0.000260	U	0.00470
03/24/20	20031796-02	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00900	U	0.0025	U	0.058		0.0284	U	0.00130		0.2060	J	0.000246	U	0.000260	U	0.00470
03/25/20	20031797-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0269	U	0.00130		0.3200	J	0.000305	U	0.000260	U	0.00470
03/26/20	20031912-02	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00460	U	0.0025	U	0.058		0.0295	J	0.00138		0.1750	J	0.000249	U	0.000260	U	0.00470
03/27/20	20031991-02	0.05	J	9.8	U	0.0098	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0327	U	0.00130		0.1720	J	0.000229	U	0.000260	U	0.00470
03/28/20	20031992-02	0.32	J	7.8	U	0.0098	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0306	U	0.00130		0.1460	U	0.000220	U	0.000260	U	0.00470
03/29/20	20032046-02	0.02	J	9.8	U	0.0098	J	0.0028	U	0.00091	U	0.0025	U	0.058		0.0411	U	0.00130		0.1410	J	0.000300	U	0.000260	U	0.00470
03/30/20	20032047-02	0.00	J	12.0	J	0.0128	J	0.0019	U	0.00091	U	0.0025	U	0.058		0.0368	U	0.00130		0.1770	J	0.002630	U	0.000260	U	0.00470
03/31/20	20040119-02	0.00	J	16.0	U	0.0098	J	0.0021	U	0.00091	U	0.0025	U	0.058		0.0299	J	0.00151		0.1320	U	0.000220	U	0.000260	U	0.00470
04/01/20	20040232-02	0.00	J	9.8	U	0.0098	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0346	U	0.00130		0.1190	U	0.000220	U	0.000260	U	0.00470
04/02/20	20040233-02	0.00	U	6.1	U	0.0098	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0321	U	0.00130		0.1030	J	0.000221	U	0.000260	U	0.00470
04/03/20	20040349-02	0.00	J	14.0	U	0.0098	J	0.0025	U	0.00091	J	0.0038	J	0.070		0.0330	U	0.00130		0.1240	U	0.000220	U	0.000260	U	0.00470
04/04/20	20040350-02	0.00	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0347	U	0.00130		0.1710	J	0.000223	U	0.000260	U	0.00470
04/05/20	20040395-02	0.08	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0321	U	0.00130		0.1040	U	0.000220	U	0.000260	U	0.00470
04/06/20	20040517-02	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0303	J	0.00131		0.0963	U	0.000220	J	0.000298	U	0.00470
04/07/20	20040519	0.63	J	12.0	J	0.0263	U	0.0012	U	0.00091	J	0.0029	U	0.058		0.0288	U	0.00130		0.1100	J	0.000228	U	0.000260	U	0.00470
04/08/20	20040712	0.21	J	12.0	J	0.0259	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0426	J	0.00249		0.1040	U	0.000220	U	0.000260	U	0.00470
04/09/20	20040715	0.14	J	12.0	J	0.0157	U	0.0012	U	0.00091	J	0.0031	U	0.058		0.0326	J	0.00207		0.1290	J	0.000332	U	0.000260	U	0.00470
04/10/20	20040788	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100		0.0325	U	0.00130		0.1450	J	0.000286	U	0.000260	U	0.00470
04/11/20	20040789	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0326	U	0.00130		0.1350	J	0.000235	U	0.000260	U	0.00470
04/12/20	20040863	0.14	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0037	U	0.058		0.0293	U	0.00130		0.1100	U	0.000220	J	0.001090	U	0.00470
04/13/20	20040864	0.04	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0289	U	0.00130		0.2900	J	0.000384	J	0.000396	U	0.00470
04/14/20	20040940	0.00	U	6.1	J	0.0098	U	0.0012	U	0.00091	J	0.0054	U	0.058		0.0236		0.01170		0.3430	J	0.000396	U	0.000298	J	0.00402

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/15/20	20041045	0.00	U	6.1		0.1270	J	0.0013		0.00270		0.0300	U	0.058	J	0.0148		0.01530	U	0.0160	J	0.000252	U	0.000298	J	0.00328
04/16/20	20041144	0.00	J	7.8	J	0.0143	U	0.0012	U	0.00091		0.0071	U	0.058	J	0.0144		0.00677	U	0.0160	J	0.000229	U	0.000298	J	0.00316
04/17/20	20041218	0.00	U	6.1	J	0.0111	U	0.0012	U	0.00091	U	0.0025	J	0.070	J	0.0155		0.00910	U	0.0160	J	0.000260	U	0.000298	J	0.00271
04/18/20	20041219	0.00	J	7.8	U	0.0098		0.0065		0.00550	U	0.0025	U	0.058	U	0.0135		0.00649	U	0.0160	U	0.000148	U	0.000298	J	0.00171
04/19/20	20041270	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058	U	0.0135		0.00603	U	0.0160	U	0.000148	U	0.000298	J	0.00195
04/20/20	20041309	0.00	U	6.1		0.0565	U	0.0012	U	0.00091	J	0.0055	U	0.058	J	0.0181		0.00501	U	0.0160	J	0.000273	U	0.000298	J	0.00216
04/21/20	20041406	0.14	J	7.8		0.0691	J	0.0012	U	0.00091		0.0086	U	0.058		0.0238		0.00592	U	0.0160	J	0.000263	U	0.000298	J	0.00177
04/22/20	20041484	0.00	U	6.1		0.0460	U	0.0012	U	0.00091	J	0.0056	U	0.058	J	0.0165		0.00723	U	0.0160	J	0.000319	U	0.000298	J	0.00438
04/23/20	20041585	0.04	U	6.1	J	0.0262	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0191		0.00556	U	0.0160	J	0.000286	U	0.000298	J	0.00274
04/24/20	20041647	0.00	U	6.1	J	0.0159	U	0.0012	J	0.00140	J	0.0039	U	0.058		0.0220		0.01450	U	0.0160	J	0.000179	U	0.000298	J	0.00279
04/25/20	20041695	0.20	U	6.1	U	0.0098	U	0.0012	J	0.00098	U	0.0025	U	0.058		0.0234		0.00864	U	0.0160	J	0.000165	U	0.000298	J	0.00318
04/26/20	20041758	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0180		0.01480	U	0.0160	J	0.000352	U	0.000298	J	0.00561
04/27/20	20041877	0.00	J	7.8		0.0468	U	0.0012	J	0.00099	J	0.0038	U	0.058		0.0271		0.01030	U	0.0160	J	0.000386	U	0.000298	J	0.00347
04/28/20	20041923	0.56	J	9.8		0.0603	J	0.0017	U	0.00091	U	0.0025	U	0.058	J	0.0193		0.00885	J	0.0252	J	0.000187	U	0.000296	J	0.00333
04/29/20	20041924	0.50	U	6.1		0.0508	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0193		0.00783	U	0.0160	U	0.000148	U	0.000298	J	0.00294
04/30/20	20050037	1.06	J	9.8	J	0.0210	U	0.0012	U	0.00091	J	0.0031	U	0.058		0.0253		0.00655	U	0.0160	J	0.000574	U	0.000298	J	0.00330
05/01/20	20050131	0.04	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.100		0.0255		0.01310	U	0.0160	J	0.000527	U	0.000298	J	0.00491
05/02/20	20050132	0.00	U	6.1	J	0.0201	J	0.0012	J	0.00190	J	0.0044	J	0.080		0.0203		0.00557	U	0.0160	J	0.000584	U	0.000298	J	0.00341
05/03/20	20050162	0.00	U	6.1		0.0516	J	0.0012	J	0.00110	U	0.0250	J	0.080	J	0.0197		0.00927	J	0.0173	J	0.000517	U	0.000298	J	0.00353
05/04/20	20050372	0.00	J	9.8	J	0.0275	J	0.0012	U	0.00091	J	0.0034	U	0.058		0.0253		0.00865	U	0.0160	J	0.000676	U	0.000298	J	0.00453
05/05/20	20050373	0.05	U	6.1	J	0.0312	J	0.0014	U	0.00091	J	0.0055	U	0.058	J	0.0180		0.01220	U	0.0160	J	0.000586	U	0.000298	J	0.00436
05/06/20	20050757	0.16	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	U	0.0135		0.00874	U	0.0160	J	0.000347	U	0.000053	J	0.00356
05/07/20	20050576	0.00	J	9.8		0.0865	J	0.0016		0.00220		0.0260	U	0.058	U	0.0135		0.01070	U	0.0160	J	0.000470	U	0.000298	J	0.00470
05/08/20	20050711	0.00	J	9.8		0.0934	J	0.0021	J	0.00097		0.0170	U	0.058		0.0235		0.00877	U	0.0160	J	0.000421	U	0.000298	J	0.00340
05/09/20	20050712	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0170		0.00702	U	0.0160	J	0.000275	U	0.000298	J	0.00282
05/10/20	20050713	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0146		0.00702	U	0.0160	J	0.000400	U	0.000298	J	0.00435
05/11/20	20050774	0.25	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025		0.120		0.0219		0.00655	U	0.0160	J	0.000289	U	0.000298	J	0.00293
05/12/20	20050925	0.00	J	12.0	U	0.0098	J	0.0012	U	0.00091	U	0.0025	J	0.090		0.0215		0.01620	U	0.0160	J	0.002020	U	0.000298	J	0.00231
05/13/20	20051040	0.00	J	7.8	U	0.0098	J	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0183	J	0.00381	U	0.0160	J	0.000194	U	0.000298	J	0.00264
05/14/20	20051126	0.10	J	12.0	U	0.0098	J	0.0017	U	0.00091	U	0.0025	U	0.058		0.0239		0.00803	U	0.0160	J	0.000286	U	0.000298	J	0.00532
05/15/20	20051208	3.05	U	6.1	U	0.0098	U	0.0012	J	0.00180	J	0.0026	J	0.060		0.0252		0.00508	U	0.0120	U	0.001480	U	0.000298	J	0.00467
05/16/20	20051210	0.07	J	7.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.01730	U	0.0160	U	0.000148	U	0.000298	J	0.00190
05/17/20	20051282	0.18	U	6.1	U	0.0098	U	0.0012	J	0.00120	U	0.0025	U	0.058		0.0230		0.00763	U	0.0160	U	0.000148	U	0.000298	J	0.00406
05/18/20	20051351	0.72	J	9.8	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0179		0.00651	J	0.0191	J	0.000195	U	0.000298	J	0.00520
05/19/20	20051440	0.14	J	9.8	U	0.0098	U	0.0012	J	0.00140	U	0.0025	J	0.080		0.0226	J	0.00279	U	0.0160	J	0.002840	U	0.000298	J	0.00303
05/20/20	20051577	0.02	J	16.0	U	0.0098	U	0.0012	U	0.00091	J	0.0049	J	0.080		0.0204		0.00740	U	0.0160	J	0.000163	U	0.000298	J	0.00245
05/21/20	20051697	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091		0.0100	U	0.058		0.0227		0.00542	J	0.0213	U	0.000148	U	0.000298	J	0.00277
05/22/20	20051760	0.02	U	6.1	U	0.0098	U	0.0012	J	0.00140		0.0072		0.100		0.0216	J	0.00431	U	0.0160	U	0.000148	U	0.000298	J	0.00480
05/23/20	20051761	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0042	U	0.058	J	0.0181	J	0.00459	U	0.0160	J	0.000268	U	0.000298	J	0.00787
05/24/20	20051762	2.55	U	6.1	U	0.0098	U	0.0012	J	0.00100	J	0.0030	U	0.058	J	0.0177	J	0.00303	U	0.0160	U	0.000148	U	0.000298	J	0.00737
05/25/20	20051819	0.54	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0243		0.01230	U	0.0160	U	0.000148	U	0.000298	J	0.00373
05/26/20	20051890	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0188		0.01770	U	0.0160	J	0.000164	U	0.000298	J	0.00287
05/27/20	20052025	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00180	U	0.0025	U	0.058		0.0209		0.00845	U	0.0160	U	0.000148	U	0.000298	J	0.00248
05/28/20	20052124	0.35	J	12.0	U	0.0098	U	0.0012	J	0.00130	U	0.0025	U	0.058		0.0240		0.00533	U	0.0160	U	0.000148	U	0.000298	J	0.00316

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																							
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
05/29/20	20052163	0.82	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0195		0.00552	J	0.0207	U	0.000148	U	0.000298	J	0.00393
05/30/20	20052164	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	J	0.0180		0.01170	J	0.0181	U	0.000148	U	0.000298	J	0.00257
05/31/20	20060153	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271		0.00903	U	0.0160	J	0.000185	U	0.000298	J	0.00310
06/01/20	20060541	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0263		0.00669	U	0.0160	U	0.000148	U	0.000298	J	0.00306
06/02/20	20060292	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091		0.0087	U	0.058		0.0237		0.00527	U	0.0160	U	0.000148	U	0.000298	J	0.00223
06/03/20	20060386	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0059		0.120		0.0302		0.00597	U	0.0160	J	0.000228	U	0.000298	J	0.00374
06/04/20	20060548	0.00	J	8.0	U	0.0098	U	0.0012	J	0.00140	J	0.0049	U	0.058		0.0301	J	0.00264	U	0.0160	U	0.000148	U	0.000298	J	0.00606
06/05/20	20060683	0.00	U	6.1	U	0.0098	J	0.0014	J	0.00110	J	0.0039	U	0.058		0.0223		0.01010	U	0.0160	U	0.000148	U	0.000298	J	0.00371
06/06/20	20060684	0.00	U	6.1	U	0.0098	J	0.0013	U	0.00091	J	0.0055	U	0.058		0.0216		0.00560	U	0.0160	U	0.000148	U	0.000298	J	0.00206
06/07/20	20060771	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0026	J	0.070		0.0356		0.00735	U	0.0160	J	0.000317	U	0.000298	J	0.00666
06/08/20	20060772	0.00	J	10.0	U	0.0098	U	0.0012	U	0.00091		0.0065	U	0.058		0.0249		0.00720	U	0.0160	U	0.000148	U	0.000298	J	0.00655
06/09/20	20060879	0.00	J	10.0	U	0.0098	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0291		0.00642	U	0.0160	J	0.000150	U	0.000298	J	0.00309
06/10/20	20061015	0.04	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0229		0.00593	U	0.0160	U	0.000148	U	0.000298	J	0.00192
06/11/20	20061126	0.05	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0265		0.00711	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/12/20	20061189	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.00996	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/13/20	20061191	0.09	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0204		0.00926	U	0.0160	U	0.000148	U	0.000298	U	0.00101
06/14/20	20061255	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0226		0.01090	U	0.0160	U	0.000148	U	0.000298	J	0.00156
06/15/20	20061383	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0312	J	0.00308	J	0.0207	J	0.000229	U	0.000298	J	0.00127
06/16/20	20061443	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0261	J	0.00402	U	0.0160	U	0.000148	U	0.000298	J	0.00338
06/17/20	20061565	0.00	J	10.0	U	0.0098	J	0.0014	U	0.00091	U	0.0025	U	0.058	B	0.0256	J	0.00491	U	0.0160	J	0.000169	U	0.000298	J	0.00472
06/18/20	20061662	0.00	U	6.1	U	0.0098	J	0.0023	U	0.00091	U	0.0025	U	0.058	B	0.0275	J	0.00385	U	0.0160	J	0.000211	U	0.000298	J	0.00217
06/19/20	20061876	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0286		0.02280	U	0.0160	J	0.000185	U	0.000298	J	0.00604
06/20/20	20061877	0.00	J	8.0	U	0.0098	J	0.0028		0.00250	U	0.0025	U	0.058	B	0.0284		0.01940	U	0.0160	J	0.000200	U	0.000200	J	0.00311
06/21/20	20061878	0.03	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0314		0.01320	U	0.0160	J	0.000174	U	0.000298	J	0.00416
06/22/20	20061904	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058	B	0.0278		0.01180	U	0.0160	J	0.000299	U	0.000298	J	0.00499
06/23/20	20062062	1.48	J	12.0	U	0.0098	U	0.0012	U	0.00091	J	0.0054	U	0.058	B	0.0284		0.00994	U	0.0160	J	0.000389	U	0.000298	J	0.00723
06/24/20	20062141	0.02	J	8.0	U	0.0098	U	0.0012	U	0.00091	J	0.0043	U	0.058		0.0250		0.01240	U	0.0160	J	0.000149	U	0.000298	J	0.00286
06/25/20	20062280	0.92	J	8.0	U	0.0098	J	0.0020	U	0.00091	U	0.0025	U	0.058		0.0534		0.00726	U	0.0160	J	0.000219	U	0.000298	J	0.00677
06/26/20	20062337	0.00	J	8.0	U	0.0098	J	0.0022	J	0.00160	J	0.0036	U	0.058		0.0296		0.00763	U	0.0160	J	0.000193	U	0.000298	J	0.00279
06/27/20	20062338	1.05	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0251		0.00814	U	0.0160	J	0.000232	U	0.000298	J	0.00317
06/28/20	20062421	0.00	J	8.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0304		0.01030	U	0.0160	J	0.000193	U	0.000298	J	0.00295
06/29/20	20062569	0.00	U	6.1	U	0.0098	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0251		0.00999	U	0.0160	U	0.000148	U	0.000298	J	0.00409
06/30/20	20060043	0.02	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0239		0.00798	U	0.0160	U	0.000148	U	0.000298	J	0.00342
07/01/20	20070160	0.00	J	9.5	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0234		0.01070	U	0.0160	U	0.000148	U	0.000298	J	0.00265
07/02/20	20070206	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	J	0.0032	U	0.058		0.0227		0.02400	U	0.0160	U	0.000148	U	0.000298	J	0.00317
07/03/20	20070241	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0316		0.00824	U	0.0160	U	0.000148	U	0.000298	J	0.00507
07/04/20	20070242	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252		0.01080	U	0.0160	U	0.000148	U	0.000298	J	0.00421
07/05/20	20070322	0.00	U	6.1	U	0.0098	J	0.0028	U	0.00091	U	0.0025	U	0.058		0.0294		0.01570	U	0.0160	J	0.000177	U	0.000053	J	0.00175
07/06/20	20070365	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0231		0.00680	U	0.0160	U	0.000148	U	0.000298	J	0.00217
07/07/20	20070492	0.00	U	6.1		0.0812	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0236		0.00835	U	0.0160	U	0.000148	U	0.000298	J	0.00259
07/08/20	20070584	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0253		0.00889	U	0.0160	U	0.000148	U	0.000298	J	0.00125
07/09/20	20070710	0.00	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0254		0.00644	U	0.0160	U	0.000148	U	0.000298	J	0.00113
07/10/20	20070780	0.20	J	7.3		0.0420	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0289		0.01210	U	0.0160	J	0.000239	U	0.000298	J	0.00232
07/11/20	20070781	0.90	J	9.5	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257		0.00857	U	0.0160	U	0.000148	U	0.000298	J	0.00188

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
07/12/20	20070856	0.07	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0251	J	0.00487	U	0.0160	U	0.000148	U	0.000298	J	0.00321
07/13/20	20070924	0.00	J	9.5		0.0380	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0267		0.01190	U	0.0160	J	0.000237	U	0.000298	J	0.00525
07/14/20	20071022	0.00	J	12.0		0.0418	J	0.0045	U	0.00091	U	0.0025	U	0.058		0.0266	J	0.00280	U	0.0160	J	0.000181	U	0.000298	J	0.00367
07/15/20	20071101	0.00	U	6.1	U	0.0098	U	0.0012	J	0.00130	J	0.0028	U	0.058		0.0264		0.00767	U	0.0160	J	0.000169	U	0.000298	J	0.00306
07/16/20	20071238	0.95	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0266		0.01870	U	0.0160	J	0.000288	U	0.000298	J	0.00444
07/17/20	20071342	0.00		20.0		0.0534	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0296		0.00593	U	0.0160	J	0.000171	U	0.000298	J	0.00243
07/18/20	20071343	0.00	J	9.5		0.0472	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0269		0.00543	U	0.0160	J	0.000212	U	0.000298	J	0.00259
07/19/20	20071487	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0240		0.00876	U	0.0470	U	0.000220	U	0.000260	J	0.00423
07/20/20	20071619	0.45	J	12.0	J	0.0165	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0300		0.00991	U	0.0470	J	0.000232	U	0.000260	J	0.00759
07/21/20	20071734	0.00	J	9.5	J	0.0103	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0298	J	0.00374	U	0.0160	U	0.000220	U	0.000260	J	0.00395
07/22/20	20071834	0.12	J	7.3	J	0.0213	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0262		0.00831	U	0.0160	J	0.000152	U	0.000298	J	0.00135
07/23/20	20071980	0.04	J	7.3	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0308		0.01680	U	0.0160	J	0.000188	U	0.000298	J	0.00425
07/24/20	20071981	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0060	U	0.058		0.0275		0.00679	U	0.0160	U	0.000148	U	0.000298	J	0.00383
07/25/20	20071979	0.00	J	12.0	U	0.0098	U	0.0012		0.00200 J 0.00100	U	0.0025	U	0.058		0.0276		0.00695	U	0.0160	U	0.000148	U	0.000298	J	0.00531
07/26/20	20071982	0.00	U	6.1	U	0.0098	J J	0.0024 0.0038		0.00360 0.00400	U	0.0025	U	0.058		0.0224		0.00748	U	0.0160	U	0.000148	U	0.000298	J	0.00347
07/27/20	20071983	0.08	J	9.5	U	0.0098	U	0.0012	J J	0.00150 0.00140	U	0.0025	U	0.058		0.0343		0.00624	U	0.0160	U	0.000148	U	0.000298	J	0.00208
07/28/20	20072274	0.15	U	6.1	J	0.0147	J J	0.0019 0.0024		0.00240 J 0.00190	U	0.0025	U	0.058		0.0233		0.01210	U	0.0160	U	0.000148	U	0.000298	J	0.00263
07/29/20	20072368	0.00	J	9.5	J	0.0226	U	0.0012	U	0.00091	U	0.0025		0.110		0.0237		0.00511	U	0.0160	U	0.000148	U	0.000298	U	0.00101
07/30/20	20080101	0.00	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238		0.01540	U	0.0160	J	0.000227	U	0.000298	U	0.00101
07/31/20	[2]	0.00		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
08/01/20	20080102	0.00	J	9.5	J	0.0158	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271		0.00806	U	0.0160	J	0.000262	U	0.000298	U	0.00101
08/02/20	20080103	0.60	J	12.0	U	0.0098	J	0.0022	U	0.00091	U	0.0025	U	0.058		0.0234		0.01180	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/03/20	20080104	0.65	J	12.0	J	0.0101	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0278		0.01370	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/04/20	20080291	0.44		14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0340	J	0.00167	U	0.0160	J	0.000342	U	0.000298	U	0.00101
08/05/20	20080293	0.00	J	18.0	J	0.0101	J	0.0024		0.00330	U	0.0025	U	0.058		0.0284	J	0.00060	U	0.0160	J	0.000422	U	0.000298	U	0.00101
08/06/20	20080403	0.01	J	9.5	J	0.0134	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0299		0.00584		0.1790	J	0.000254	U	0.000298	U	0.00101
08/07/20	20080507	0.00	J	7.3	J	0.0102	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0263		0.00842	U	0.0160	J	0.000227	U	0.000298	U	0.00101
08/08/20	20080568	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0244		0.00575	U	0.0160	J	0.000203	U	0.000298	J	0.00318
08/09/20	20080569	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0229		0.01340	U	0.0160	J	0.000270	U	0.000298	J	0.00836
08/10/20	20080646	0.02	J	18.0	J	0.0187	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0232	J	0.00454	U	0.0160	U	0.000148	U	0.000298	J	0.00205
08/11/20	20080755	0.34	J	7.3	J	0.0183	J	0.0042		0.00410 0.00340	U	0.0025	J	0.090		0.0233		0.00996	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/12/20	20080862	0.00	J	14.0	U	0.0098	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0253		0.00742	U	0.0160	U	0.000148	U	0.000298	J	0.00185
08/13/20	20081229	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0230		0.01040	U	0.0160	U	0.000148	U	0.000298	J	0.00163
08/14/20	20081162	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0234		0.00949	U	0.0160	U	0.000148	U	0.000298	J	0.00261
08/15/20	20081163	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257		0.00851	U	0.0160	J	0.000152	U	0.000298	J	0.00256
08/16/20	20081164	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0245		0.00698	U	0.0160	U	0.000148	U	0.000298	J	0.00204
08/17/20	20081303	0.00	J	16.0	U	0.0098	U	0.0012	J	0.00091	U	0.0025		0.058		0.0272		0.00571	U	0.0160	J	0.000185	U	0.000298	J	0.00314
08/18/20	20081407	0.00	J	7.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0258		0.01060	U	0.0160	J	0.000264	U	0.000298	J	0.00313
08/19/20	20081515	0.00	J	9.2		0.0501	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0264		0.00598	U	0.0160	U	0.000148	U	0.000298	J	0.00223

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																							
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
08/20/20	20081619	0.00	J	11.0		0.0399	J	0.0015	U	0.00091	U	0.0025	U	0.058		0.0279		0.00994	U	0.0160	U	0.000148	U	0.000298	J	0.00112
08/21/20	20081753	0.00	J	16.0	J	0.0161	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.02420	J	0.0160	J	0.000158	U	0.000298	U	0.00101
08/22/20	20081864	0.00	J	9.2	J	0.0151	J	0.0013	U	0.00091	J	0.0030	J	0.060		0.0265		0.01560	U	0.0160	U	0.000148	U	0.000298	J	0.00712
08/23/20	20081865	0.00		22.0		0.0620	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0237		0.01020	U	0.0160	U	0.000148	U	0.000298	J	0.00550
08/24/20	20081911	0.00	J	14.0	J	0.0185	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.00520	U	0.0160	U	0.000148	U	0.000298	U	0.00101
08/25/20	20081988	0.00	J	16.0	J	0.0119		0.0110		0.00830	U	0.0025	J	0.080		0.0253		0.01080	U	0.0160	U	0.000148	U	0.000298	J	0.00755
08/26/20	20082077	0.00	J	14.0	J	0.0113	J	0.0016	U	0.00091	U	0.0025	U	0.058		0.0246		0.01150	U	0.0160	U	0.000148	U	0.000298	J	0.00600
08/27/20	20082224	0.00	J	14.0	J	0.0103	J	0.0021	U	0.00091	J	0.0037	U	0.058		0.0282		0.00644	U	0.0160	U	0.000148	U	0.000298	J	0.00243
08/28/20	20082305	0.00	J	14.0	U	0.0098	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0262		0.00760	U	0.0160	U	0.000148	U	0.000298	J	0.00207
08/29/20	20082446	0.02	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0260		0.00861	U	0.0160	U	0.000148	U	0.000298	J	0.00117
08/30/20	20082447	0.00	U	6.1	J	0.0119	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0256		0.00714	U	0.0160	U	0.000148	U	0.000298	J	0.00205
08/31/20	20082488	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0270	J	0.00276	U	0.0160	U	0.000148	U	0.000298	U	0.00101
09/01/20	20090055	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0238	J	0.00375	U	0.0160	U	0.000148	U	0.000298	J	0.00184
09/02/20	20090196	0.48	U	6.1	J	0.0168	J	0.0017	J	0.00130	U	0.0025	U	0.058		0.0235		0.00553	U	0.0160	U	0.000148	U	0.000298	J	0.00176
09/03/20	20090292	0.00	U	6.1	U	0.0098	J	0.0024	U	0.00091	U	0.0025	U	0.058		0.0225	J	0.00404	U	0.0160	U	0.000148	U	0.000298	J	0.00130
09/04/20	20090472	0.00	U	6.1	U	0.0098	J	0.0014	U	0.00091	U	0.0025	U	0.058		0.0266		0.00526	U	0.0160	J	0.000797	U	0.000298	U	0.00101
09/05/20	20090643	0.00	U	6.1	U	0.0098	J	0.0022	U	0.00091	J	0.0030	U	0.058		0.0319		0.00524	U	0.0160	J	0.000192	U	0.000298	J	0.00192
09/06/20	20090645	0.08	U	6.1	J	0.0240	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00339	U	0.0160	U	0.000148	U	0.000298	J	0.00140
09/07/20	20090647	0.18	U	6.1	J	0.0156	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0243		0.00809	J	0.0235	J	0.000168	U	0.000298	J	0.00313
09/08/20	20090649	0.73	J	16.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0249		0.00704	J	0.0238	J	0.000220	U	0.000298	J	0.00458
09/09/20	20090693	0.42	U	6.1	J	0.0225	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0226		0.01560	U	0.0160	J	0.000223	U	0.000298	J	0.00148
09/10/20	20090834	0.01	J	7.1	U	0.0098	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0244		0.00787	J	0.0200	J	0.000257	U	0.000298	J	0.00509
09/11/20	20091039	0.02	J	7.1	U U	0.0098 0.0098	U	0.0012	U	0.00091	U	0.0250	U	0.058		0.0243	J	0.00435	U	0.0160	J	0.000220	U	0.000298	J	0.00425
09/12/20	20091040	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0314		0.00967	U	0.0160	J	0.000211	U	0.000298	J	0.00242
09/13/20	20091041	0.26	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0264		0.00766	U	0.0160	J	0.000225	U	0.000298	J	0.00207
09/14/20	20091133	0.00	J	9.2	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0252	J	0.00358	U	0.0160	J	0.000551	U	0.000298	J	0.00873
09/15/20	20091236	0.00	U	6.1	U	0.0098	U	0.0011	U	0.00091	U	0.0025	U	0.058		0.0271		0.01040	U	0.0160	J	0.000149	U	0.000298	J	0.00483
09/16/20	20091353	0.00	J	7.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0250		0.00556	U	0.0160	U	0.000148	U	0.000298	J	0.00460
09/17/20	20091473	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0255		0.00975	U	0.0160	U	0.000148	U	0.000298	J	0.00506
09/18/20	20091539	0.00		50.0	U	0.0098	U	0.0012	U	0.00091	J	0.0047	U	0.058		0.0313		0.00654	U	0.0160	U	0.000148	U	0.000298	J	0.00636
09/19/20	20091703	0.00	U	6.1	U	0.0098	J	0.0013	U	0.00091	J	0.0037	U	0.058		0.0286		0.01220	U	0.0160	J	0.000255	U	0.000298	J	0.00786
09/20/20	20091704	0.00	U	6.1	U	0.0098	J	0.0014	U	0.00091	J	0.0032	U	0.058		0.0271		0.01170	U	0.0160	U	0.000148	U	0.000298		0.01130
09/21/20	20091705	0.00	U	6.1	J	0.0101	J	0.0014	U	0.00091	J	0.0030	U	0.058		0.0233		0.01200	U	0.0160	J	0.000169	U	0.000298	J	0.00563
09/22/20	20091827	0.00	U	6.1	U	0.0098	J	0.0014	U	0.00091	U	0.0025	U	0.058		0.0263		0.00537	U	0.0160	U	0.000148	U	0.000298	J	0.00211
09/23/20	20091957	0.00	J	7.1	J	0.0164	J	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248		0.00838	U	0.0160	J	0.000243	U	0.000298	J	0.00366
09/24/20	20092108	0.00	J	7.1	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0281		0.01390	U	0.0160	J	0.000256	U	0.000298	J	0.00352
09/25/20	20092243	0.00	U	6.1		0.0581	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0249		0.02120	U	0.0160	J	0.000175	U	0.000298	J	0.00423
09/26/20	20092380	0.00	J	12.0	J	0.0253	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0288		0.00739	U	0.0470	U	0.000148	U	0.000298	J	0.00266
09/27/20	20092381	0.00	J	7.6		0.0686	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0237		0.00652	U	0.0470	U	0.000148	U	0.000298	J	0.00144
09/28/20	20092382	0.20	J	7.6	J	0.0212	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0269	J	0.00149	U	0.0470	U	0.000220	U	0.000260	J	0.00266
09/29/20	20092512	0.27	J	12.0	J	0.0134	J	0.0042	J	0.00240	U	0.0025	U	0.058		0.0292	U	0.00099	U	0.0470	U	0.000220	U	0.000260	J	0.00445
09/30/20	20092619	0.00	J	12.0	J	0.0282	J	0.0018	U	0.00091	U	0.0025	U	0.058		0.0264	U	0.00099	U	0.0470	J	0.000562	U	0.000260	J	0.00276
10/01/20	20100173	0.00	J	16.0	J	0.0144	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0289	J	0.00266	J	0.0551	U	0.000220	U	0.000260	U	0.00220

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/02/20	20100229	0.64	J	12.0	J	0.0114	U	0.0012	J	0.00110	U	0.0025	U	0.058		0.0288	U	0.00099	J	0.0476	U	0.000220	U	0.000260	U	0.00220
10/03/20	20100393	0.00	J	12.0	J	0.0133	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0369	U	0.00099		0.0829	U	0.000220	U	0.000260	J	0.00363
10/04/20	20100394	0.40	J	9.6	J	0.0114	U	0.0012	U	0.00091	U	0.0025		0.100		0.0289	U	0.00099	J	0.0517	U	0.000220	U	0.000260	J	0.00434
10/05/20	20100490	0.02	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0312	U	0.00099		0.1140	U	0.000220	U	0.000260	J	0.00480
10/06/20	20100512	0.00	J	9.6	J	0.0118	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0248		0.00815	U	0.0160	U	0.000148	U	0.000298	J	0.00225
10/07/20	20100640	0.00	J	7.6	J	0.0171	J	0.0017	U	0.00091	U	0.0025		0.120	J	0.0198 0.0232		0.00619	U	0.0160	U	0.000148	U	0.000298	U	0.00101
10/08/20	20100924	0.00	J	9.6		0.0512	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0250		0.01450	U	0.0160	U	0.000148	U	0.000298	J	0.00133
10/09/20	20100988	0.00	J	12.0	J	0.0169	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0239		0.00610	U	0.0160	U	0.000148	U	0.000147	J	0.00187
10/10/20	20100989	0.00	J	9.6		0.0814	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0240		0.00883	J	0.0179	U	0.000148	U	0.000147	J	0.00189
10/11/20	20101078	0.00	J	9.6	J	0.0162	U	0.0012	U	0.00091	U	0.0025		0.100		0.0229		0.01200	J	0.0315	U	0.000148	U	0.000147	J	0.00250
10/12/20	20101154	0.00	J	14.0	J	0.0168	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0268		0.01240	U	0.0160	U	0.000148	U	0.000147	J	0.00359
10/13/20	20101285	0.14	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0290		0.01160	U	0.0160	J	0.000163	U	0.000147	J	0.00240
10/14/20	20101345	0.00	J	12.0	J	0.0110	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0243	J	0.00160	U	0.0160	J	0.000172	U	0.000147	J	0.00466
10/15/20	20101461	0.04	J	12.0	J	0.0155	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0235		0.00636	J	0.0534	U	0.000148	U	0.000147	J	0.00305
10/16/20	20101596	0.00	J	9.6	J	0.0152	J	0.0022	J	0.00170	U	0.0025	U	0.058		0.0268		0.00701	J	0.0325	J	0.000166	U	0.000147	J	0.00351
10/17/20	20101683	0.00	J	14.0	J	0.0253	J	0.0038		0.00230	U	0.0025	U	0.058		0.0260		0.00605	U	0.0160	U	0.000148	U	0.000147	J	0.00163
10/18/20	20101684	0.00	J	9.6	J	0.0213	J	0.0014	U	0.00091	U	0.0025		0.100		0.0313		0.01680	U	0.0160	U	0.000148	U	0.000147	J	0.00914
10/19/20	20101720	0.30	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0279		0.01850	U	0.0160	U	0.000148	U	0.000147	J	0.00213
10/20/20	20101810	0.04	J	7.6	J	0.0137	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0330		0.01160	U	0.0160	U	0.000148	U	0.000147	J	0.00178
10/21/20	20101968	0.17	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0272		0.00886	J	0.0188	U	0.000148	U	0.000147	J	0.01880
10/22/20	20102072	0.62	J	12.0	J	0.0161	U	0.0012	J	0.00190	U	0.0025	J	0.060		0.0259		0.01630	U	0.0160	U	0.000148	U	0.000147	J	0.00484
10/23/20	20102241	0.00	J	14.0	J	0.0114	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0293		0.10000	U	0.0160	J	0.000332	U	0.000147	J	0.00591
10/24/20	20102312	0.32	J	12.0	J	0.0240	U	0.0012	J	0.00130	U	0.0025	J	0.060		0.0246		0.01260	J	0.0213	J	0.000206	U	0.000147	J	0.00618
10/25/20	20102313	0.03	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0248		0.02500	J	0.0231	J	0.000285	U	0.000147	J	0.00804
10/26/20	20102317	0.08	J	18.0	J	0.0228	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0256		0.01660	U	0.0160	J	0.000544	U	0.000147	J	0.00643
10/27/20	20102394	0.12	J	16.0	U	0.0098	JH	0.0053 0.0014	H	0.00220 0.00310	U	0.0025	U	0.058		0.0273		0.01250	U	0.0160	J	0.000285	U	0.000147	J	0.00376
10/28/20	20102493	0.10	J	14.0	J	0.0273		0.0140 0.0120	H	0.00960 0.01100	U	0.0025	U	0.058		0.0285		0.01070	J	0.0346	J	0.000213	U	0.000147	J	0.00343
10/29/20	20102761	0.00	J	9.6		0.0463	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0287		0.00669	U	0.0160	J	0.000198	U	0.000147	J	0.00580
10/30/20	20102866	0.03	J	12.0		0.0499	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0326		0.02070	U	0.0160	J	0.000482	U	0.000147		0.01010
10/31/20	20110083	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0277		0.01320	J	0.0292	J	0.000443	U	0.000147		0.01274
11/01/20	20110084	0.00	J	9.6		0.0439	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0235		0.01120	J	0.0256	J	0.000245	U	0.000147		0.01400
11/02/20	20110096	0.00	J	9.6	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0243		0.01450	U	0.0160	J	0.000399	U	0.000147		0.01040
11/03/20	20440240	0.00		22.0	U	0.0098	J	0.0051 0.0046		0.00620 0.00450	U	0.0025	J	0.060		0.0241		0.01100	J	0.0392	J	0.000260	U	0.000147	J	0.00220
11/04/20	20110397	0.00	J	12.0	U	0.0098	J	0.0026	U	0.00091	U	0.0025	J	0.060		0.0251				0.0105	J	0.000232	U	0.000147	J	0.00213
11/05/20	20110555	0.00	J	14.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0271		0.00701	J	0.0357	U	0.000148	U	0.000147	J	0.00135
11/06/20	20110645	0.00	J	7.6	J	0.0215	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0301		0.01480	U	0.0160	J	0.000193	U	0.000147	J	0.00251
11/07/20	20110769	0.00	J	9.6	J	0.0241	J	0.0013	U	0.00091	U	0.0025	U	0.058		0.0269		0.01020	J	0.0467	U	0.000148	U	0.000147	J	0.00167
11/08/20	20110770	0.00	J	12.0	J	0.0195	U	0.0012	U	0.00091	J	0.0029		0.130		0.0249		0.01090	U	0.0160	U	0.000148	U	0.000147	J	0.00193
11/09/20	20110771	0.00	J	12.0	J	0.0254	U	0.0012	U	0.00091	U	0.0025	J	0.090		0.0250		0.00566	J	0.0210	U	0.000148	U	0.000147	J	0.00197
11/10/20	20110925	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0241		0.01900	U	0.0160	U	0.000148	U	0.000147	J	0.00169

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																							
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
11/11/20	20111072	0.33	J	16.0	J	0.0157	U	0.0012	J	0.00094	U	0.0025	U	0.058		0.0286		0.00858	U	0.0160	U	0.000148	U	0.000147	J	0.00271
11/12/20	20111129	0.00	J	9.6	J	0.0287	J	0.0024	U	0.00091	U	0.0025	U	0.058		0.0258		0.01420	J	0.0217	U	0.000148	U	0.000147	J	0.00152
11/13/20	20111261	0.05	J	9.6	J	0.0182	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0299		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00876
11/14/20	20111473	0.00	J	14.0	J	0.0133	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0318		0.01600	J	0.0187	U	0.000148	U	0.000147	J	0.00208
11/15/20	20111479	0.31	J	9.6	J	0.0147	J	0.0042	J	0.00170	U	0.0025	U	0.058		0.0265		0.00897	U	0.0160	U	0.000148	U	0.000147	J	0.00119
11/16/20	20111480	0.03	J	12.0		0.0335	U	0.0012	J	0.00094	U	0.0025	U	0.058		0.0312		0.00638	U	0.0160	J	0.000157	U	0.000147	J	0.00142
11/17/20	20111560	0.00	J	14.0		0.0338	U	0.0012	J	0.00120	U	0.0025	J	0.070		0.0263		0.03440	U	0.0160	J	0.000176	U	0.000147	J	0.00800
11/18/20	20111718	0.00	J	14.0	J	0.0230	U	0.0012	J	0.00140	U	0.0025	U	0.058		0.0305		0.01710	U	0.0160	J	0.000283	U	0.000147	J	0.00292
11/19/20	20111767	0.00	J	14.0	J	0.0151	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0268		0.00689	U	0.0160	U	0.000148	U	0.000147	J	0.00172
11/20/20	20111892	0.00	J	18.0	J	0.0177	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0257	J	0.00163	U	0.0160	U	0.000148	U	0.000147	J	0.00167
11/21/20	20112026	0.00	J	16.0		0.0341	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0299		0.01450	U	0.0160	U	0.000148	U	0.000147	J	0.00108
11/22/20	20112027	0.10	J	12.0	J	0.0168	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0263		0.02390	J	0.0177	J	0.000152	U	0.000147	J	0.00275
11/23/20	20112153	0.08	J	16.0	J	0.0243		0.0069		0.00800	U	0.0025	J	0.070		0.0256		0.01020	U	0.0160	J	0.000185	U	0.000147	J	0.00195
							H	0.0074		0.00700																
11/24/20	20112178	0.15	J	14.0	J	0.0262	J	0.0014	U	0.00091	U	0.0025	J	0.070		0.0277		0.01550	U	0.0160	U	0.000148	U	0.000147		0.01380
11/25/20	20112286	0.22	J	12.0	U	0.0098	J	0.0020	U	0.00091	U	0.0025	J	0.070		0.0264		0.01720	U	0.0160	U	0.000148	U	0.000147	J	0.00503
11/26/20	20112341	0.23	J	9.6	U	0.0098		0.0088		0.00440	U	0.0025	J	0.070		0.0251		0.02320	U	0.0160	J	0.000203	U	0.000147	J	0.00261
								0.0110		0.00760																
11/27/20	20112352	0.00	J	7.6		0.0342		0.0066		0.00680	U	0.0025	J	0.080		0.0266		0.01150	J	0.0177	U	0.000148	U	0.000147	U	0.00101
								0.0083		0.00780																
11/28/20	20112466	0.00	U	6.1	J	0.0187	J	0.0045	U	0.00091	U	0.0025	J	0.070		0.0318		0.00582	U	0.0120	U	0.003300	U	0.000053	U	0.00101
11/29/20	20112448	0.00	J	7.6	J	0.0218	U	0.0012	J	0.00130	U	0.0025	J	0.070		0.0253		0.01010	U	0.0160	U	0.000148	U	0.000147	U	0.00101
11/30/20	20112450	0.00	J	12.0	J	0.0109	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0240		0.00680	U	0.0160	U	0.000148	U	0.000147	J	0.00530
12/01/20	20120059	0.03	U	6.1	J	0.0230	U	0.0012		0.00380	U	0.0025	J	0.060		0.0263		0.00558	J	0.0533	J	0.000239	U	0.000147	J	0.00126
									J	0.00200																
12/02/20	20120145	0.00	J	11.0	J	0.0233	J	0.0013		0.00460	U	0.0025		0.058		0.0315		0.01440		0.2060	J	0.000440	U	0.000147		0.01080
										0.00450																
12/03/20	20120306	0.00	J	13.0	J	0.0264		0.0210		0.01400	U	0.0025	J	0.060		0.0326		0.00722		0.5330	J	0.000839	U	0.000147	J	0.00400
								0.0110		0.01200																
12/04/20	20120409	0.00	J	8.7	J	0.0245		0.0250		0.02700	U	0.0025	J	0.060		0.0269		0.00785		0.3310	J	0.000535		0.000147	J	0.00341
								0.0200																		
12/05/20	20120562	0.00	J	13.0	J	0.0157	U	0.0012	J	0.00170	U	0.0025	J	0.080		0.0309	J	0.00492		0.2210	J	0.000561	U	0.000147	J	0.00365
12/06/20	20120563	0.02	J	17.0	J	0.0148	U	0.0012	J	0.00120	U	0.0025	J	0.080		0.0273		0.01080		0.1050	J	0.000263	U	0.000147	J	0.00227
12/07/20	20120564	0.00	J	8.7	J	0.0289	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0260		0.00771		0.1510	J	0.000274	U	0.000147	J	0.00226
12/08/20	20120682	0.00	J	8.7	J	0.0269	U	0.0012	U	0.00091	U	0.0025	J	0.070		0.0312		0.00516		0.1060	J	0.000262	U	0.000147	J	0.00156
12/09/20	20120806	0.00	J	11.0		0.0364		0.0140		0.01600	U	0.0025	J	0.070		0.0315		0.01030		0.2550	J	0.003530		0.000147	J	0.00233
								0.0150		0.01500																
12/10/20	20120911	0.00	J	13.0	J	0.0152		0.0060		0.00490	U	0.0025	J	0.080		0.0266		0.01030	J	0.0655	J	0.000272		0.000147	J	0.00223
12/11/20	20121105	0.00	J	8.7	J	0.0298	J	0.0015	U	0.00091	U	0.0025	J	0.070		0.0267		0.01110		0.1080	J	0.000255	U	0.000147	J	0.00706
12/12/20	20121218	0.93	J	6.6	J	0.0254	U	0.0012	U	0.00120	U	0.0025	J	0.070		0.0258		0.01340		0.1520	J	0.000340	U	0.000147	J	0.00896
12/13/20	20121219	0.25	J	19.0	J	0.0184	U	0.0012	U	0.00091	U	0.0025	J	0.060		0.0280		0.01840		0.2820	J	0.000861	U	0.000147		0.01220
12/14/20	20121279	0.00	J	6.6		0.0346	J	0.0012	U	0.00091	U	0.0025	J	0.060		0.0276		0.01360		0.1490	J	0.000207	U	0.000147	J	0.00899
12/15/20	20121355	0.00	J	13.0	J	0.0143	U	0.0012	J	0.00100	U	0.0025	J	0.080		0.0330		0.02010		0.1100	J	0.000384	U	0.000147	J	0.00942
12/16/20	20121475	0.00	J	11.0	J	0.0147	U	0.0012	J	0.00098	U	0.0025	J	0.090		0.0328		0.01790		0.1050	J	0.000364	J	0.000147	J	0.00882

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/17/20	20121600	0.01	J	13.0	J	0.0127	U	0.0012	U	0.00091		0.0025	J	0.060		0.0325		0.01410		0.1210	J	0.000563	U	0.000147	J	0.00346
12/18/20	20121724	0.03	J	17.0	U	0.0098	J	0.0040		0.00310	U	0.0025	J	0.090		0.0305		0.01160	U	0.0160	J	0.000355	U	0.000147	J	0.00356
										0.00290																
12/19/20	20121886	0.00	J	11.0	J	0.0171	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0292		0.00986		0.0978	J	0.000300	U	0.000147	J	0.00262
12/20/20	20121888	0.00	J	15.0	U	0.0098	J	0.0048		0.00350	U	0.0025	U	0.058		0.0271		0.01930	J	0.0383	J	0.000222	U	0.000147	J	0.00313
								0.0052		0.00310																
12/21/20	20121889	0.02	J	17.0	U	0.0098	J	0.0036		0.00410	U	0.0025	U	0.058		0.0259		0.01300	J	0.0477	J	0.000211	U	0.000147	J	0.00258
							J	0.0034		0.00370																
										0.00290																
12/22/20	20121961	0.00	J	17.0	J	0.0209	U	0.0012	U	0.00091	U	0.0025	U	0.058		0.0296		0.01490	U	0.0160	J	0.000635	U	0.000147		0.01030
									U	0.00091																
12/23/20	20122153	0.00	J	8.7	J	0.0256	U	0.0012	U	0.00091	U	0.0025	J	0.080		0.0310		0.01560	U	0.0160	J	0.000418	U	0.000147	J	0.00450
12/24/20	20122236	0.00	J	6.6	U	0.0098		0.0170		0.01200	U	0.0025	J	0.080		0.0300		0.01650	U	0.0160	J	0.000329	U	0.000147	J	0.00311
								0.0170		0.01500																
12/25/20	20122284	0.00	J	17.0	J	0.0187	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0259		0.01480	U	0.0160	J	0.000352	U	0.000147	J	0.00152
12/26/20	20122339	0.00	J	15.0	J	0.0300	J	0.0016	U	0.00170	U	0.0025	J	0.060		0.0312		0.00861	U	0.0160	J	0.000317	U	0.000147	J	0.00737
12/27/20	20122290	0.00	J	6.6	J	0.0307	U	0.0012	U	0.00170	J	0.0050	J	0.060		0.0243	J	0.00248	U	0.0160	J	0.000275	U	0.000147	J	0.00706
12/28/20	20122346	0.00	J	8.7	J	0.0261	U	0.0012	U	0.00170	J	0.0059	U	0.058		0.0263		0.01560	U	0.0160	J	0.000276	U	0.000147	J	0.00969
12/29/20	20122427	0.00	J	8.7		0.0369		0.0012	U	0.00170		0.0100		0.100		0.0290		0.01180	U	0.0160	J	0.000325	U	0.000147	J	0.00252
12/30/20	20122485	0.00	J	6.6		0.0499	U	0.0012		0.00300	U	0.0025	J	0.080		0.0333		0.01350	U	0.0160	J	0.000219	U	0.000147	J	0.00873
									U	0.00170																
12/31/20	20122574	0.00	J	15.0		0.0322	J	0.0025		0.00240		0.0095	J	0.090		0.0277		0.00979	U	0.0160	J	0.000236	U	0.000147	U	0.00945
									U	0.00170																
01/01/21	21010092	0.00	J	13.0		0.0384	U	0.0012	U	0.00170	J	0.0042	J	0.060		0.0266		0.00990	U	0.0160	J	0.000152	U	0.000147	J	0.00789
01/02/21	21010093	0.00	J	11.0	J	0.0165	U	0.0012	U	0.00170		0.0230		0.110		0.0251		0.01870	U	0.0160	J	0.001670	U	0.000147		0.02110
01/03/21	21010094	0.00	J	17.0		0.0824	U	0.0012	U	0.00170	J	0.0071	J	0.060		0.0262		0.01770	U	0.0160		0.008920	U	0.000147		0.10200
01/04/21	21010095	0.00	J	6.6	J	0.0111	U	0.0012	U	0.00170	J	0.0043	U	0.058		0.0274		0.01850	U	0.0160	U	0.000148	U	0.000147	J	0.00881
01/05/21	21010177	0.00		28.0		0.0539	U	0.0012	U	0.00170	J	0.0042	J	0.070		0.0267		0.02690	U	0.0160		0.015900	U	0.000147		0.18400
01/06/21	21010331	0.00	J	11.0		0.0394	U	0.0012	U	0.00170	U	0.0025		0.240		0.0276	J	0.00118	U	0.0160	J	0.000764	U	0.000147		0.01230
01/07/21	21010411	0.00	J	11.0		0.0150	U	0.0012	U	0.00170	J	0.0033	J	0.080		0.0317		0.00880	U	0.0160	U	0.000148	U	0.000147	J	0.00877
01/08/21	21010517	0.00	J	13.0	J	0.0204	U	0.0012	U	0.00170	J	0.0049		0.100		0.0268		0.01300	U	0.0160	J	0.000316	U	0.000147		0.01490
01/09/21	21010588	0.00	J	13.0	U	0.0098	J	0.0014	U	0.00170	U	0.0025		0.180		0.0305		0.02530	U	0.0160	J	0.000489	U	0.000147	J	0.00954
01/10/21	21010590	0.00	J	17.0	J	0.0263	U	0.0012	U	0.00170	U	0.0025		0.200		0.0284		0.02200	U	0.0160	J	0.000612	U	0.000147		0.01410
01/11/21	21010651	0.00	J	11.0	U	0.0098	J	0.0023	U	0.00170		0.0180		0.150		0.0241		0.02590	U	0.0160	J	0.000159	U	0.000147	J	0.00225
01/12/21	21010700	0.00	J	19.0	U	0.0098	J	0.0021	U	0.00170	U	0.0025	J	0.080		0.0285		0.02290	U	0.0160	U	0.000148	U	0.000147	J	0.00235
01/13/21	21010805	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0267		0.01180	U	0.0160	U	0.000148	U	0.000147	J	0.00308
01/14/21	21010928	0.00	J	13.0		0.0597	U	0.0012	U	0.00170	U	0.0025		0.120		0.0330	J	0.00437	U	0.0160	J	0.000372	U	0.000147	J	0.00562
01/15/21	21011074	0.14	J	13.0		0.0536	U	0.0012	U	0.00170	J	0.0032		0.110		0.0293		0.01900	U	0.0160	J	0.000359	U	0.000147	J	0.00611
01/16/21	21011184	0.00	J	15.0	J	0.0269	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0292		0.01730	U	0.0160	J	0.000169	U	0.000147	J	0.00782
01/17/21	21011185	0.00	J	15.0		0.0415	J	0.0013	J	0.00180	U	0.0025	J	0.060		0.0253		0.01600	U	0.0160	J	0.000211	U	0.000147	J	0.00845
01/18/21	21011223	0.00	J	13.0		0.0454	U	0.0012	U	0.00170	J	0.0037	J	0.060		0.0240		0.01280	U	0.0160	U	0.000148	U	0.000147	J	0.00205
01/19/21	21011284	0.00	J	15.0		0.0607	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0246		0.01600	U	0.0160	U	0.000148	U	0.000147	J	0.00293
01/20/21	21011406	0.00	J	17.0		0.0743	U	0.0012	J	0.00190	J	0.0049	J	0.070		0.0250		0.01220	U	0.0160	U	0.000148	U	0.000147	J	0.00239

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/21/21	21011548	0.00	J	13.0		0.0682	J	0.0019		0.00300 0.00340	U	0.0025	J	0.070		0.0252		0.00763		0.0160	J	0.000184	U	0.000147	J	0.00204
01/22/21	21011650	0.00	J	17.0		0.0603	J	0.0025		0.00410 0.00420	U	0.0025	J	0.060		0.0276		0.01150	U	0.0160	J	0.000256	U	0.000147	J	0.00756
01/23/21	21011715	0.00		21.0		0.1250	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0218		0.01980	U	0.0160	J	0.002820	U	0.000147		0.02220
01/24/21	21011716	0.00	J	19.0		0.0580	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0275		0.01810	U	0.0160	J	0.000309	U	0.000147	J	0.00394
01/25/21	21011781	0.00	J	15.0	J	0.0141	U	0.0012	U	0.00170	U	0..0025	J	0.060		0.0238		0.02180	U	0.0160	U	0.000148	U	0.000147	J	0.00475
01/26/21	21011913	0.00	J	11.0		0.0720	U	0.0012		0.00240 J 0.00190	U	0.0025	U	0.058		0.0262		0.00969	U	0.0160	J	0.000208	U	0.000147	J	0.00212
01/27/21	21011979	0.00	J	11.0		0.0720	U	0.0012		0.00240 U 0.00170	U	0.0025	U	0.058		0.0262		0.00969	U	0.0160	J	0.000208	U	0.000147	J	0.00212
01/28/21	21012091	0.00	J	13.0		0.0845	U	0.0012	U U	0.00170 0.00170	J	0.0038	J	0.080		0.0325		0.01040	U	0.0160	J	0.000294	U	0.000147	J	0.00387
01/29/21	21012199	0.00	U	6.1		0.1330	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0278		0.01110	U	0.0160	J	0.000286	U	0.000147	J	0.00329
01/30/21	21020055	0.00	J	13.0		0.1800	U	0.0012	U	0.00170	U	0.0025	U	0.070		0.0312		0.01260	U	0.0160	J	0.000429	U	0.000147	J	0.00296
01/31/21	21020056	0.00	J	17.0	J	0.0124	U	0.0012	U	0.00170	J	0.0043	J	0.060		0.0273		0.01070	U	0.0160	J	0.000297	U	0.000147	J	0.00524
02/01/21	21020057	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0244		0.01300	U	0.0160	J	0.000238	U	0.000147	J	0.00213
02/02/21	21020107	0.00	J	13.0		0.0518	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0249		0.01500	J	0.0171	J	0.000290	U	0.000147	J	0.00490
02/03/21	21020205	0.00	J	11.0	J	0.0193	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0315		0.01740	U	0.0160	J	0.000368	U	0.000147	J	0.00356
02/04/21	21020361	0.00	J	13.0	J	0.0237	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0289		0.00751	U	0.0160	J	0.000508	U	0.000147	J	0.00320
02/05/21	21020434	0.00	J	15.0		0.0323	U	0.0012		0.00370 0.00400	U	0.0025	U	0.058		0.0310		0.01400	U	0.0160	J	0.000409	U	0.000147	J	0.00273
02/06/21	21020531	0.00	J	13.0	J	0.0186	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0276	J	0.00326	U	0.0160	J	0.000264	U	0.000147	J	0.00320
02/07/21	21020532	0.00	J	11.0	J	0.0134	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0246	J	0.00224	U	0.0160	U	0.000148	U	0.000147	U	0.00101
02/08/21	21020613	0.00	J	17.0	J	0.0199	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0271	J	0.00064	U	0.0160	U	0.000148	U	0.000147	J	0.00133
02/09/21	21020664	0.00	J	11.0	J	0.0266	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0250	J	0.00060	U	0.0160	U	0.000148	U	0.000147	U	0.00101
02/10/21	21020777	0.00	J	11.0	J	0.0220	J	0.0012	U	0.00170	U	0.0025	J	0.070		0.0242	J	0.00180	U	0.0160	U	0.000148	U	0.000147	J	0.00131
02/11/21	21020988	0.00		26.0		0.0596	J	0.0015	U	0.00170	U	0.0025		0.100		0.0286	J	0.00171	U	0.0160	J	0.000722	U	0.000147		0.01540
02/12/21	21020992	0.00	J	15.0	U	0.0098	U	0.0012	J	0.00180	U	0.0025	J	0.060		0.0296	J	0.00129	U	0.0160	J	0.000578	U	0.000147	J	0.00649
02/13/21	21021157	0.00	J	13.0	J	0.0147	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00091	U	0.0160	U	0.000148	U	0.000147	J	0.00180
02/14/21	21021158	0.00	J	15.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0241	J	0.00079	U	0.0160	U	0.000148	U	0.000147	J	0.00178
02/15/21	21021176	0.00	J	11.0	J	0.0233	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0305	J	0.00100	U	0.0160	J	0.000162	U	0.000147	J	0.00151
02/16/21	21021194	0.00	J	8.7	J	0.0199	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0278	J	0.00052	U	0.0160	J	0.000155	U	0.000147	J	0.00173
02/17/21	21021270	0.00	J	17.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0272	J	0.00227	U	0.0160	J	0.000168	U	0.000147	J	0.00929
02/18/21	21021327	0.00		21.0	U	0.0098	J	0.0023	U	0.00170	U	0.0025	J	0.070		0.0297	J	0.00201	U	0.0016	J	0.000164	U	0.000147	J	0.00385
02/19/21	21021441	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0293	J	0.00090	U	0.0160	U	0.000148	U	0.000147	J	0.00193
02/20/21	21021552	0.00	J	19.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025		0.100		0.0323	J	0.00066	U	0.0160	U	0.000148	U	0.000147	J	0.00120
02/21/21	21021555	0.00	J	13.0	J	0.0155	U	0.0012	U	0.00170	U	0.0025	J	0.090		0.0315	J	0.00063	U	0.0160	U	0.000148	U	0.000147	J	0.00104
02/22/21	21021593	0.00	J	15.0	J	0.0298	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0274	J	0.00069	U	0.0160	U	0.000148	U	0.000147	J	0.00155
02/23/21	21021613	0.00	J	15.0	J	0.0176	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0264	J	0.00068	U	0.0160	U	0.000148	U	0.000147	J	0.00211
02/24/21	21021809	0.00	J	8.7	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0284	J	0.00354	U	0.0160	J	0.000180	U	0.000147	J	0.00218
02/25/21	21021909	0.00		26.0	J	0.0255	U	0.0012	U	0.00170	J	0.0030	J	0.060		0.0356	J	0.00154	U	0.0160	J	0.000368	U	0.000147	J	0.00585
02/26/21	21022004	0.00	J	13.0	J	0.0268	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0301	J	0.00059	U	0.0160	U	0.000148	U	0.000147	J	0.00194
02/27/21	21030116	0.05	J	8.7	J	0.0137	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0258	J	0.00137	U	0.0160	U	0.000148	U	0.000147	J	0.00436

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
02/28/21	21030117	0.00	J	13.0	J	0.0228	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0238	J	0.00046	U	0.0160	U	0.000148	U	0.000147	J	0.00194
03/01/21	21030118	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0291	J	0.00103	U	0.0160	U	0.000148	U	0.000147	J	0.00371
03/02/21	21030187	0.00	J	15.0	J	0.0203	J	0.0019	U	0.00170	U	0.0025	J	0.080		0.0260	J	0.00062	U	0.0160	U	0.000148	U	0.000147	J	0.00120
03/03/21	21030347	0.00	J	11.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0295	J	0.00071	J	0.0706	U	0.000148	U	0.000147	J	0.00146
03/04/21	21030375	0.00	J	6.6	U	0.0098	U	0.0012	U U	0.00170 0.00170	U	0.0025	J	0.080		0.0262	J	0.00136	U	0.0470	J	0.000466	J	0.000147	J	0.00491
03/05/21	21030536	0.00	J	15.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0225	J	0.00190		0.2560	U	0.000220	U	0.000260	U	0.00220
03/06/21	21030752	0.00	J	15.0		0.0699	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0290	U	0.00099		0.1280	U	0.000220	U	0.000260	U	0.00220
03/07/21	21030755	0.00	J	15.0		0.0442	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0277	U	0.00099		0.1340	U	0.000220	U	0.000260	U	0.00220
03/08/21	21030759	0.00		23.0		0.1060	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0279	U	0.00099		0.2800	J	0.000366	U	0.000260	J	0.00404
03/09/21	21030781	0.00	J	19.0		0.0386	U	0.0040	U UH	0.00170 0.00170	U	0.0025	J	0.090		0.0290	U	0.00099		0.1820	J	0.000365	U	0.000260	J	0.00383
03/10/21	21030899	0.00	J	17.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0285	U	0.00099		0.0937	U	0.000220	U	0.000260	U	0.00220
03/11/21	21031075	0.00	J	13.0		0.0451	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0351	U	0.00099	J	0.0757	U	0.000220	U	0.000260	J	0.00218
03/12/21	21031303	0.00	J	13.0	J	0.0133	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0276	J	0.00147	J	0.0677	U	0.000220	U	0.000260	J	0.00285
03/13/21	21031403	0.00	J	19.0	J	0.0119	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0308	J	0.00055	J	0.0184	U	0.000148	U	0.000147	J	0.00128
03/14/21	21031404	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0235	J	0.00047	J	0.0205	U	0.000148	U	0.000147	J	0.00164
03/15/21	21031482	0.00	J	15.0	J	0.0288	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0236	J	0.00036	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/16/21	21031561	0.00	J	13.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0296	J	0.00068	U	0.0160	U	0.000148	U	0.000147	J	0.00607
03/17/21	21031689	0.00	J	15.0	J	0.0157	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0241	J	0.00199	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/18/21	21031806	0.08		21.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0297	J	0.00103	U	0.0160	J	0.000496	U	0.000147	J	0.00416
03/19/21	21031929	0.22	J	11.0	J	0.0099	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0236	J	0.00064	U	0.0160	U	0.000148	U	0.000147	J	0.00234
03/20/21	21032048	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0295	J	0.00049	U	0.0160	U	0.000148	U	0.000147	J	0.00134
03/21/21	21032049	0.00	U	6.1	J	0.0284	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0241	J	0.00078	U	0.0160	U	0.000148	U	0.000147	J	0.00128
03/22/21	21032125	0.00	J	7.5	J	0.0305	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0302	J	0.00042	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/23/21	21032170	0.00	J	7.5	J	0.0159	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0251	J	0.00206	U	0.0160	J	0.001250	U	0.001470		0.01170
03/24/21	21032291	0.15	J	7.5		0.0411	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0272	J	0.00101	U	0.0160	J	0.000471	U	0.000147	J	0.00514
03/25/21	21032382	0.00	J	9.7	J	0.0173	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0231	J	0.00046	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/26/21	21032504	0.82	U	6.1	J	0.0251	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0392	J	0.00085	U	0.0160	J	0.000176	U	0.000147	J	0.00238
03/27/21	21032688	0.00	J	7.5	J	0.0314	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0339	J	0.00137	U	0.0160	J	0.000264	U	0.000147	J	0.00240
03/28/21	21032689	0.23	J	16.0		0.0406	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0249	J	0.00068	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/29/21	21032653	0.00	J	18.0		0.0404	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0316	J	0.00061	U	0.0160	U	0.000148	U	0.000147	U	0.00101
03/30/21	21032744	0.00	J	7.5		0.0334	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0274	J	0.00082	U	0.0160	J	0.000171	U	0.000147	J	0.00124
03/31/21	21032855	0.00	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0273	J	0.00091	U	0.0160	J	0.000180	U	0.000147	J	0.00162
04/01/21	21040045	0.00	J	12.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0275	J	0.00084	U	0.0160	J	0.000205	U	0.000147	J	0.00112
04/02/21	20140195	0.00	J	9.7	J	0.0167	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0328	J	0.00081	U	0.0160	J	0.000239	U	0.000147	J	0.00121
04/03/21	21040297	0.00	J	9.7	J	0.0163	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0289	J	0.00238	U	0.0160	J	0.001480	U	0.000147		0.01040
04/04/21	21040298	0.00		81.0	J	0.0292	J	0.0016	U	0.00170	U	0.0025	J	0.070		0.0294		0.01230	U	0.0160		0.010100	U	0.000147		0.07000
04/05/21	21040299	0.00	J	12.0	J	0.0233	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0318	J	0.00147	U	0.0160	J	0.000646	U	0.000147	J	0.00549
04/06/21	21040403	0.00	U	6.1		0.0535	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0316	J	0.00139	U	0.0160	J	0.000600	U	0.000147	U	0.00599
04/07/21	21040491	0.00	J	7.5		0.0354	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0299	J	0.00094	U	0.0160	J	0.000367	U	0.000147	J	0.00342
04/08/21	21040491	0.17	J	7.5		0.0436	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0290	J	0.00075	U	0.0160	J	0.000274	U	0.000147	J	0.00262
04/09/21	21040735	0.03	U	6.1	J	0.0140	U	0.0012	U	0.00170	J	0.0029	J	0.070		0.0256	J	0.00108	U	0.0160	J	0.000301	U	0.000147	J	0.00300
04/10/21	21040897	0.33	U	6.1	J	0.0150	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0335	J	0.00095	U	0.0160	J	0.000181	U	0.000147	J	0.00563

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/11/21	21040900	0.00	U	6.1		0.0384	J	0.0012	U	0.00170	U	0.0025	J	0.070		0.0278	J	0.00070	U	0.0160	U	0.000148	U	0.000147	J	0.00200
04/12/21	21040901	0.06	U	6.1	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0270	J	0.00064	U	0.0160	U	0.000148	U	0.000147	J	0.00131
04/13/21	21041005	0.00	J	16.0	J	0.0172	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0281	J	0.00061	U	0.0160	U	0.000148	U	0.000147	J	0.01600
04/14/21	21041151	0.00	J	14.0	J	0.0196	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0296	J	0.00091	J	0.0411	U	0.000148	U	0.000147	U	0.00101
04/15/21	21041266	0.00	J	9.7	J	0.0206	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0246	J	0.00075	U	0.0160	J	0.000166	U	0.000147	U	0.00138
04/16/21	21041397	0.00	U	6.1	J	0.0224	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0281	J	0.00079	J	0.0267	U	0.000148	U	0.000147	J	0.00174
04/17/21	21041556	0.00	J	14.0		0.0354	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0303	J	0.00116	U	0.0160	J	0.000273	U	0.000147	J	0.00214
04/18/21	21041558	0.00	J	9.7	J	0.0258	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0279	J	0.00273	U	0.0160	J	0.001820	U	0.000147		0.01070
04/19/21	21041612	0.23	U	6.1		0.0345	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0264	J	0.00080	U	0.0160	J	0.000203	U	0.000147	J	0.00255
04/20/21	21041698	0.03	J	7.5	J	0.0209	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0280	J	0.00095	U	0.0160	U	0.000148	U	0.000147	J	0.00123
04/21/21	21041849	0.04	J	12.0		0.0535	U	0.0012	U	0.00170	J	0.0043	J	0.090		0.0340	J	0.00098	J	0.0327	J	0.000322	U	0.001470	J	0.00361
04/22/21	21041949	0.00	J	9.7		0.0323	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0364	J	0.00074	J	0.0644	U	0.000148	U	0.000147	J	0.00197
04/23/21	21042134	0.00	J	7.5		0.0559	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0295	J	0.00082	U	0.0160	J	0.000206	U	0.000147	J	0.00021
04/24/21	21042196	0.15	J	9.7		0.0635	U	0.0012	U	0.00170	J	0.0026	U	0.058		0.0337	J	0.00108	U	0.0160	J	0.000363	U	0.000147	J	0.00409
04/25/21	21042199	0.00	J	14.0	J	0.0306	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0290	J	0.00095	U	0.0160	U	0.000148	U	0.000147	J	0.00170
04/26/21	21042257	0.00	J	14.0		0.0405	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0280	J	0.00091	U	0.0160	J	0.000207	U	0.000147	J	0.00235
04/27/21	21042376	0.00	J	7.5	J	0.0270	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0269	J	0.00082	J	0.0213	U	0.000148	U	0.000147	J	0.00120
04/28/21	21042474	0.39	J	16.0	J	0.0153	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0272	J	0.00349	U	0.0160	J	0.002150	U	0.000147		0.01760
04/29/21	21042567	0.05	J	12.0	J	0.0259	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0310	J	0.00246	U	0.0160	J	0.001500	U	0.000147		0.01240
04/30/21	21042714	0.00	J	7.5	J	0.0291	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0266	J	0.00102	U	0.0160	J	0.000378	U	0.000147	J	0.00482
05/01/21	21050017	0.00	J	12.0		0.0522	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0296	J	0.00151	U	0.0160	J	0.000982	U	0.000147	J	0.00814
05/02/21	21050018	0.01	J	12.0		0.0322	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0262	J	0.00074	U	0.0160	J	0.000236	U	0.000147	J	0.00239
05/03/21	21050086	0.19	J	12.0	J	0.0182	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0261	J	0.00067	U	0.0160	U	0.000148	U	0.000147	J	0.00141
05/04/21	21050234	0.00	U	6.1	J	0.0318	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0257	J	0.00098	U	0.0160	J	0.000292	U	0.000147	J	0.00304
05/05/21	21050345	0.00	J	9.7		0.0346	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0289	J	0.00077	U	0.0160	J	0.000186	U	0.000147	J	0.00205
05/06/21	21050423	0.01	J	12.0		0.0365	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0255	J	0.00077	J	0.0231	J	0.000186	U	0.000147	J	0.00254
05/07/21	21050534	0.00	J	12.0	J	0.0185	U	0.0012	U	0.00170		0.0066	J	0.060		0.0279	J	0.00067	U	0.0160	J	0.000221	U	0.000147	J	0.00328
05/08/21	21050731	0.31	J	9.7		0.0373	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0276	J	0.00083	U	0.0160	J	0.000398	U	0.000147	J	0.00396
05/09/21	21050732	1.70	J	14.0	J	0.0306	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0254	J	0.00099	U	0.0160	J	0.000477	U	0.000147	J	0.00620
05/10/21	21050733	0.00	J	18.0	U	0.0098	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0614	J	0.00195	U	0.0160	J	0.001760	U	0.000147		0.02150
05/11/21	21050886	0.00	J	12.0	J	0.0311	U	0.0012	U	0.00170	U	0.0025	J	0.058		0.0283	J	0.00057	U	0.0160	U	0.000148	U	0.000147	U	0.00101
05/12/21	21051004	0.00	J	9.7	J	0.0297	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0264	J	0.00063	U	0.0160	U	0.000148	U	0.000147	J	0.00135
05/13/21	21051097	0.00	J	12.0		0.0339	J	0.0013	J	0.00170	U	0.0025	J	0.060		0.0283	J	0.00070	U	0.0404	J	0.000174	U	0.000147	J	0.00204
05/14/21	21051245	0.00	J	18.0	J	0.0194	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0269	J	0.00090	U	0.0404	U	0.000148	U	0.000050	J	0.00179
																	J	0.00086			U	0.000148	U	0.000050	J	0.00147
05/15/21	21051371	0.00	J	9.7	J	0.0126	U	0.0012	U	0.00170	U	0.0025	J	0.060		0.0278	J	0.00067	U	0.0404	U	0.000148	U	0.000050	J	0.00172
05/16/21	21051373	0.00	U	6.1	J	0.0296	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0249	J	0.00058	U	0.0404	U	0.000148	U	0.000050	J	0.00389
05/17/21	21051412	0.00	J	9.7		0.0517	U	0.0012	U	0.00170	U	0.0025	U	0.058		0.0245	J	0.00062	U	0.0404	U	0.000148	U	0.000050	J	0.00216
05/18/21	21051529	0.01		23.0	J	0.0127	U	0.0012	U	0.00170	J	0.0028	U	0.058		0.0248		0.00181	U	0.0404	U	0.000148	U	0.000050	J	0.00339
05/19/21	21051662	0.14	J	16.0	J	0.0307	U	0.0017	U	0.00170	U	0.0025	U	0.058		0.0298	J	0.00081	U	0.0404	U	0.000148	U	0.000050	J	0.00209
05/20/21	21051779	0.00		23.0	J	0.0309	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0306	J	0.00083	U	0.0404	U	0.000148	U	0.000050	J	0.00219
05/21/21	21051888	0.00	U	16.0	J	0.0230	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0298	J	0.00060	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/22/21	21051974	0.00	J	18.0	U	0.0098	J	0.0018	U	0.00170	U	0.0025	J	0.070		0.0308		0.00103	U	0.0404	U	0.000148	U	0.000050	J	0.00128
05/23/21	21051975	0.00		23.0	J	0.0134	J	0.0039	J	0.00190	U	0.0025	J	0.070		0.0260	J	0.00066	U	0.0404	J	0.000182	U	0.000050	J	0.00303

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
05/24/21	21052029	0.00	J	16.0	J	0.0263	J	0.0014	U	0.00170	U	0.0025	J	0.070		0.0252	J	0.00041	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/25/21	21052131	0.00	J	16.0	J	0.0263	J	0.0014	U	0.00170	U	0.0025	J	0.070		0.0252	J	0.00041	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/26/21	21052265	0.27	J	16.0	J	0.0226	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0243		0.00113	U	0.0404	J	0.000597	U	0.000050	J	0.00534
05/27/21	21052377	0.03		33.0		0.0611	J	0.0015	U	0.00170	U	0.0025	J	0.090		0.0309	J	0.00077	U	0.0404	J	0.000398	U	0.000050	J	0.00434
05/28/21	21052505	1.03		36.0		0.0425	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0327		0.00182	U	0.0404		0.001020	U	0.000050	J	0.00821
05/29/21	21060028	0.00	J	16.0	J	0.0276	U	0.0012	U	0.00170	U	0.0025	J	0.080		0.0282	J	0.00054	U	0.0404	J	0.000210	U	0.000050	U	0.00101
05/30/21	21060029	0.00	J	14.0		0.0382	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0256	U	0.00024	U	0.0404	U	0.000148	U	0.000050	U	0.00101
05/31/21	21060030	0.00	J	16.0		0.0330	U	0.0012	U	0.00170	U	0.0025	J	0.070		0.0246	J	0.00059	U	0.0404	J	0.000199	U	0.000050	J	0.00193
06/01/21	***Reduced Sampling*** ***On 04/09/21 Cleveland-Cliffs submitted to IDEM proposed modifications to the Outfall 002 ESP which included reduction of sampling frequency from daily to 3/week; and eliminated COD, F Cn, A. Cn, Fluoride, TR B, Diss. Fe, TR Pb, and TR Ag analyses. IDEM approved the Cleveland-Cliffs-proposed modifications on 05/27/21***																									
06/01/21	21060053	0.00		20.0	J	0.0203	U	0.0017	U	0.00170	U	0.0025	J	0.070		0.0265	J	0.00062	U	0.0404	J	0.000433	U	0.000050	J	0.00476
06/02/21	21060152	0.00		23.0	J	0.0218	U	0.0012	J U	0.00200 0.00170		0.0110	J	0.070		0.0268		0.00101	U	0.0404	U	0.000148	U	0.000050	J	0.00158
06/03/21	21030336	0.00		31.0	J	0.0146	U	0.0012	U	0.00170	J	0.0041	J	0.070		0.0209	J	0.00068	U	0.0404	U	0.000148	U	0.000050	U	0.00101
06/04/21	21060461	0.00			J	0.0188	U	0.0012			J	0.0033						0.00139							J	0.00901
06/05/21	no data	0.01				no data		no data				no data						no data								no data
06/06/21	no data	0.00				no data		no data				no data						no data								no data
06/07/21	no data	0.10				no data		no data				no data						no data								no data
06/09/21	21060895	0.00				0.0983	U	0.0012			U	0.0025						0.00107							J	0.00675
06/10/21	21060999	0.00			J	0.0224	U	0.0012			U	0.0025					J	0.00079							J	0.00164
06/11/21	21061120	0.00				0.0515	U	0.0012			U	0.0025						0.00154							J	0.00489
06/14/21	no data	0.00				no data		no data				no data						no data								no data
06/16/21	21061521	0.00				0.0349	U	0.0012			U	0.0025						0.00309							U	0.00101
06/17/21	21061651	0.00			J	0.0234	U	0.0012			J	0.0030					J	0.00094							U	0.00101
06/18/21	21061824	0.52			J	0.0121	U	0.0012			U	0.0025						0.02950							J	0.00466
06/21/21	no data	0.53				no data		no data				no data						no data								no data
06/23/21	21062215	0.00			J	0.0240	U	0.0012				0.0110						0.00227							J	0.00138
06/24/21	21062320	0.26			J	0.0116	U	0.0012			J	0.0036					J	0.00060							J	0.00421
06/25/21	21062443	1.01				0.0646	U	0.0012			U	0.0025					J	0.00095							J	0.00417
06/28/21	no data	0.02				no data		no data				no data						no data								no data
06/30/21	21062835	0.02		24.0	U	0.0098	J	0.0013			U	0.0025						0.00140							J	0.00360
07/01/21	21070031	0.01				0.0485	J	0.0022			U	0.0025					J	0.00081							J	0.00214
07/02/21	21070157	0.01	J	8.4	J	0.0187	U	0.0012			U	0.0025						0.00131							J	0.00511
07/05/21	no data	0.00				no data		no data				no data						no data								no data
07/06/21	21070366	0.01	J	11.0		0.0541	J	0.0026			U	0.0025					J	0.00099							J	0.00231
07/07/21	21070401	0.00	U	6.1		0.0435	U	0.0012			U	0.0025						0.00163							J	0.00868
07/09/21	21070673	0.00	U	6.1	J	0.0280	J	0.0012			U	0.0025						0.00168							U	0.00101
07/12/21	21070827	0.00	J	19.0		0.0339	J	0.0017			U	0.0025						0.01460								0.02340
07/14/21	21071060	0.00			U	0.0098	U	0.0025			U	0.0025					J	0.00055							U	0.00101
07/16/21	21071274	0.00				0.0396	U	0.0012			U	0.0025					J	0.00072							J	0.00222
07/19/21	21071421	0.00			U	0.0098	U	0.0012			U	0.0025						0.00216							J	0.00822
07/21/21	21071682	0.00			U	0.0098	U	0.0012			U	0.0025						0.00106							J	0.00285
07/23/21	21071936	0.00			J	0.0129	U	0.0012			U	0.0025						0.00116							J	0.00263

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
07/26/21	21072076	0.00			U	0.0098	U	0.0012			U	0.0025					J	0.00073							J	0.00141
07/28/21	21072314	0.00			U	0.0098	U	0.0012			J	0.0097						0.00102							J	0.00273
07/30/21	21072565	0.00			U	0.0098	U	0.0012			U	0.0025					J	0.00084							J	0.00135
08/02/21	21080030	0.00			U	0.0098	J	0.0018			U	0.0025						0.00183							J	0.00106
08/04/21	21080211	0.00			U	0.0098	J	0.0015			U	0.0025					J	0.00092							J	0.00336
08/06/21	21080482	0.56			U	0.0098	J	0.0020			U	0.0025						0.00135							J	0.00597
08/09/21	21080618	0.13			U	0.0098	 JH	0.0130 0.0012			U	0.0025						0.00372							J	0.00865
08/11/21	21080891	0.03			J	0.0119	J	0.0041			U	0.0025					J	0.00064							J	0.00128
08/13/21	21081202	0.00			J	0.0269	J	0.0045			U	0.0025					J	0.00083							U	0.00100
08/16/21	21081341	0.00			J	0.0237	U	0.0012			U	0.0025					J	0.00063							J	0.00129
08/18/21	21081595	0.40			U	0.0098	U	0.0012			U	0.0025					J	0.00064							J	0.00108
08/20/21	21081833	0.00			U	0.0098	U	0.0012			U	0.0025						0.00109							J	0.00129
08/23/21	21081990	0.00			J	0.0287	U	0.0012			U	0.0025						0.00175							J	0.00597
08/25/21	21082195	0.33			U	0.0098		0.0056			U	0.0025						0.00310							J	0.00852
08/27/21	21082437	0.00			J	0.0303	J	0.0020			U	0.0025						0.00590								0.01650
08/30/21	21082545	0.00			J	0.0309	J	0.0016			U	0.0025						0.00174							U	0.00101
09/01/21	21090027	0.00			J	0.0233	U	0.0012			J	0.0025					J	0.00085							U	0.00101
09/03/21	21090307	0.01			J	0.0124	U	0.0012			U	0.0025					J	0.00083							U	0.00101
09/06/21	21090457	0.00				0.0355	J	0.0025			J	0.0033					J	0.00070							U	0.00101
09/07/21	no data	0.00				no data		no data				no data						no data								no data
09/08/21	21090613	0.00			J	0.0148	J	0.0044			U	0.0025					J	0.00083							U	0.00101
09/10/21	21090890	0.00				0.0450	U	0.0012			U	0.0025					J	0.00085							J	0.00210
09/13/21	21091077	0.00			U	0.0098	U	0.0012			U	0.0025						0.00124							J	0.00545
09/15/21	21091351	0.00			J	0.0193	J	0.0026			U	0.0025						0.00330							J	0.00615
09/17/21	21091619	0.00			J	0.0199	U	0.0012			U	0.0025						0.00280								0.01080
09/20/21	21091799	0.05				0.0350	U	0.0012			U	0.0025						0.00138							J	0.00557
09/22/21	21092045	0.01			J	0.0135	U	0.0012			J	0.0042					J	0.00088							J	0.00209
09/24/21	21092379	0.00			J	0.0109	U	0.0012			U	0.0025						0.00140							J	0.00174
09/27/21	21092453	0.00			J	0.0109	J	0.0045			J	0.0069						0.00104							J	0.00227
09/29/21	21092744	0.00			U	0.0098	J	0.0014			U	0.0025						0.00364							J	0.00511
10/01/21	21100042	0.00			U	0.0098	J	0.0019			U	0.0025						0.00319							J	0.00827
10/01/21	***End of Outfall 002 ESP***																									

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: MH SS 1003/1015 - Coke Plant Area Storm Sewer Manhole 1003 and Manhole 1015

Sample Information			Laboratory Determinations																					
Sample Date	ALS Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)

Notes

[1] Starting May 1, 2020, Outfall 002 total Cyanide and total phenolics data reflect samples collected in accordance with the IDEM-recommended revised composite sampling procedure.

[2] Starting July 31, 2020, 24-hr composite samples analyzed by Microbac and ALS are dated the day composite samples are collected (modified from the day composite samples are started at the direction of IDEM and U.S. EPA). As a result of this date reporting modification, there are no samples dated July 31, 2020.

[3] Results not available prior to preparation of interim status report.

Qualifiers

J Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)

U Analyte analyzed but not detected above the MDL

B Analyte detected in the associated Method Blank above the RL

1 Due to the outage of equipment required to perform total cyanide analysis by Kelada-01, samples analyzed by SM 4500-CN-E to meet holding times.

H Analyzed outside of holding time

M Matrix interference is present and matrix spike recovery is outside of acceptance limits

R Duplicate RPD is outside of acceptance limits

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/28/19	19102222-04	0.00	J	8.8	J	0.0208	U	0.0012			U	0.00180	J	0.0030	U	0.058		0.0249	J	0.00651	U	0.0412	U	0.000400	U	0.000500	J	0.00632
10/29/19	19102422-04	0.08	U	6.1	J	0.0188	U	0.0012			U	0.00091	J	0.0059	U	0.058		0.0275	U	0.00130		0.1550	J	0.000356	U	0.000260	U	0.00470
10/30/19	19102424-04	0.78	J	6.8	U	0.0098	U	0.0012			U	0.00091	J	0.0056	U	0.058		0.0251	U	0.00130	J	0.0480	J	0.000343	U	0.000260	J	0.00578
10/31/19	19110037-04	0.81	J	8.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0312	U	0.00130		0.4370	J	0.001010	U	0.000260	J	0.00646
11/01/19	19110193-04	0.55	J	6.8	U	0.0098	U	0.0012			U	0.00091	J	0.0041	U	0.058		0.0351	U	0.00130		0.1820	J	0.001300	U	0.000260		0.01800
11/02/19	19110211-04	0.00	J	11.0	U	0.0098	U	0.0012			U	0.00091		0.0085	U	0.058		0.0316	U	0.00130	J	0.0663	J	0.000385	U	0.000260	U	0.00470
11/03/19	19110212-04	0.00	J	8.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0326	U	0.00130	J	0.0791	J	0.000851	U	0.000260	J	0.00986
11/04/19	19110396-04	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00091		0.0097	U	0.058		0.0286	J	0.00145		0.3820	J	0.000760	U	0.000260		0.01000
11/05/19	19110398-04	0.00	U	6.1	J	0.0191	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0294	J	0.00145		0.3100	J	0.000637	U	0.000260	J	0.00628
11/06/19	19110556-04	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0020	J	0.060		0.0251	U	0.00130		0.0689	U	0.000220	U	0.000260	J	0.00523
11/07/19	19110758-04	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0319		0.01050	U	0.0412	J	0.001100	U	0.000500	J	0.00879
11/08/19	19110759-04	0.00	U	6.1	J	0.0165	U	0.0012			J U	0.00100 0.00091	U	0.0020	U	0.058		0.0284	J	0.00135	U	0.0412	J	0.000590	U	0.000500	J	0.00351
11/09/19	19110760-04	0.00	U U	12.0 6.1	J	0.0192	U	0.0012			U	0.00091	J	0.0038	U	0.058		0.0268	J	0.00116	U	0.0412	U	0.000400	U	0.000500	J	0.00186
11/10/19	19110799-04	0.00	J	7.8	J	0.0101	U U	0.0012 0.0012			J U	0.00140 0.00091	J	0.0023	U	0.058		0.0263	J	0.00149	U	0.0412	U	0.000400	U	0.000500	J	0.00220
11/11/19	19110928-03	0.02	U	6.1	J	0.0179	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0307		0.00632	U	0.0412	J	0.000851	U	0.000500	J	0.00597
11/12/19	19110998-03	0.36	U	6.1	J	0.0215	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0278		0.00584	U	0.0412	J	0.000921	U	0.000500	J	0.00499
11/13/19	19111071-03	0.00	J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0291		0.00858	U	0.0412	J	0.000623	U	0.000500	J	0.00311
11/14/19	19111194-03	0.00	J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0260		0.01040	U	0.0412	U	0.000400	U	0.000500	J	0.00261
11/15/19	19111275-03	0.00	J	7.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0265		0.01310	U	0.0412	U	0.000400	U	0.000500	J	0.00346
11/16/19	19111276-03	0.00	J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0058	U	0.058		0.0234		0.01200	U	0.0412	J	0.000414	U	0.000500	J	0.00292
11/17/19	19111324-03	0.00	J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0237		0.00619	U	0.0412	U	0.000400	U	0.000500	J	0.00266
11/18/19	19111421-03	0.02	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0335		0.00546	U	0.0412	U	0.000400	U	0.000500	J	0.00313
11/19/19	19111528-03	0.00	J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0317 0.0216		0.01650 0.00794	U	0.0412	U U	0.000400 0.000400	U U	0.000500 0.000500	J J	0.00583 0.00286
11/20/19	19111730-03	0.04	J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0023	U	0.058		0.0284		0.00802	U	0.0412	U	0.000400	U	0.000500	J	0.00240
11/21/19	19111800-03	0.14	J	9.8	J	0.0163	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0324		0.00695	U	0.0412	U	0.000400	U	0.000500	J	0.00264
11/22/19	19111875-03	0.34	J	9.8	J	0.0203	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0272		0.00725	U	0.0412	U	0.000400	U	0.000500	J	0.00280
11/23/19	19111877-03	0.00	U	6.1		0.0346	U	0.0012			J	0.00130	U	0.0020	U	0.058		0.0255		0.00697	U	0.0412	U	0.000400	U	0.000500	J	0.00275
11/24/19	19111922-03	0.00	J	9.8	U	0.0098	U	0.0012			U	0.00091	J	0.0054	U	0.058		0.0262		0.00796	U	0.0412	U	0.003300	U	0.000500	J	0.00258
11/25/19	19112036-03	0.00	J	12.0		0.0336	U	0.0012			U	0.00091	U	0.0020	U	0.058		0.0222		0.00649	U	0.0412	U	0.000400	U	0.000500	J	0.00277
11/26/19	19112147-03	0.00	U	6.1		0.0417	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0262	J	0.00457	U	0.0412	U	0.000400	U	0.000500	J	0.00422
11/27/19	19112245-03	0.35	U	6.1	J	0.0241	U	0.0012			U	0.00091	U	0.0025	U	0.058	B	0.0229		0.01040	U	0.0412	U	0.000400	U	0.000500	J	0.00287
11/28/19	19112246-03	0.00	J	12.0		0.0364	U	0.0012			U	0.00091		0.0078	U	0.058	B	0.0235		0.01200	U	0.0412	J	0.000513	U	0.000500		0.05460
11/29/19	19120034-03	0.00	J	16.0		0.0401	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249		0.00662	U	0.0412	U	0.000400	U	0.000500	J	0.00957
11/30/19	19120035-03	0.02	J	7.8		0.0421	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0221	J	0.00458	U	0.0412	J	0.000550	U	0.000500	J	0.00522
12/01/19	19120036-03	0.25	J	7.8		0.0443	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0202	J	0.00396	U	0.0412	U	0.000400	U	0.000500	J	0.00304
12/02/19	19120164-03	0.24	J	14.0		0.0358	J U	0.0015 0.0012			U	0.00091	U	0.0025	U	0.058		0.0245		0.00787	U	0.0412	J	0.000450	U	0.000500	J	0.00364
12/03/19	19120269-03	0.00	J	9.8		0.0420	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0211		0.00867	U	0.0412	U	0.003300	U	0.000500	J	0.00305
12/04/19	19120331-03	0.00	J	18.0	U	0.0098	J	0.0020			U	0.00091	U	0.0025	U	0.058		0.0222		0.00615	U	0.0412	J	0.000420	U	0.000500		0.01140
12/05/19	19120521-03	0.00	J	14.0	J	0.0250	J	0.0013			U	0.00091	U	0.0025	U	0.058		0.0221		0.00571	U	0.0412	U	0.000400	U	0.000500	J	0.00509
12/06/19	19120522-03	0.00	J	14.0	J	0.0268	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0249	J	0.00095	U	0.0412	U	0.000400	U	0.000500	J	0.00244
12/07/19	19120523-03	0.00	J	16.0	J	0.0219	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0204	U	0.00060	U	0.0412	U	0.000400	U	0.000500	J	0.00150
12/08/19	19120671-03	0.00	J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0213		0.00731	U	0.0412	U	0.003300	U	0.000500	J	0.00178

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
12/09/19	19120798-03	0.40	J	16.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0244	J	0.00419	U	0.0412	U	0.000400	U	0.000500	J	0.00540
12/10/19	19120902-03	0.00	J	14.0		0.0424	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0267	J	0.00232	U	0.0412	U	0.000400	U	0.000500	J	0.00367
12/11/19	19121042-03	0.00	J	14.0		0.0409	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0302	J	0.00238	U	0.0412	J	0.000319	U	0.000260	U	0.00470
12/12/19	19121080-03	0.00	J	7.8		0.0036	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0283	J	0.00232		0.0863	J	0.000320	U	0.000260	U	0.00470
12/13/19	19121117-03	0.00	J	9.8		0.0365	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0237	J	0.00117	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/14/19	19121118-03	0.00	J	16.0	J	0.0307	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0218	U	0.00130	J	0.0533	U	0.000220	U	0.000260	J	0.00593
12/15/19	19121196-03	0.00	J	12.0		0.0350	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0268	J	0.00188		0.0910	U	0.000220	U	0.000260	U	0.00470
12/16/19	19121275-03	0.00		24.0		0.0338	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0308	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/17/19	19121403-03	0.00	J	16.0		0.0334	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0327	U	0.00130	J	0.0582	U	0.000220	U	0.000260	U	0.00470
12/18/19	19121498-03	0.00	J	12.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0342	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/19/19	19121711-03	0.00	J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0316	U	0.00130	J	0.0547	J	0.000265	U	0.000260	U	0.00470
12/20/19	19121737-03	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130	J	0.0627	J	0.000226	U	0.000260	U	0.00470
12/21/19	19121739-03	0.00	U	6.1	J	0.0148	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0290	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/22/19	19121740-03	0.00	J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0332	U	0.00130	J	0.0493	J	0.000228	U	0.000260	U	0.00470
12/23/19	19121768-03	0.00	J	9.8	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0298	U	0.00130	J	0.0589	U	0.000220	U	0.000260	U	0.00470
12/24/19	19121834-03	0.00	J	20.0	J	0.0215	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0327	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/25/19	19121851-03	0.00	J	14.0	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0273	J	0.00336	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/26/19	19121968-03	0.00	J	8.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0288	J	0.00208	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/27/19	19122019-03	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0315	J	0.00202	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/28/19	19122020-03	0.00	J	10.0	U	0.0098	U	0.0012			J	0.00130	U	0.0025	U	0.058		0.0262	J	0.00168	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/29/19	19122025-03	0.55	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0266	J	0.00338	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/30/19	19122038-03	0.75	U	6.1	J	0.0104	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0247	J	0.00173	U	0.0470	U	0.000220	U	0.000260	U	0.00470
12/31/19	20010024-03	0.00	J	6.4	J	0.0120	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0263	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/01/20	20010026-03	0.00	J	6.4	J	0.0106	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0250	U	0.00130	J	0.0757	U	0.000220	U	0.000260	J	0.00536
01/02/20	20010096-03	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00180	J	0.0038	U	0.058		0.0300	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/03/20	20010162-03	0.00	J	12.0	U	0.0098	U	0.0012			U	0.00091	J	0.0043	U	0.058		0.0249	U	0.00130	J	0.0603	U	0.000220	U	0.000260	U	0.00470
01/04/20	20010166-03	0.80	U	6.1	J	0.0157	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0256	U	0.00130		0.0853	U	0.000220	U	0.000260	U	0.00447
01/05/20	20010207-03	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00180	U	0.0025	U	0.058		0.0268	U	0.00130		0.1000	U	0.000220	U	0.000260	U	0.00470
01/06/20	20010289-03	0.00	J	8.4	U	0.0098	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0319	U	0.00130		0.1680	U	0.000220	U	0.000260	U	0.00470
01/07/20	20010412-03	0.00	J	6.4	J	0.0141	J 1	0.0036			J	0.00110	U	0.0025	U	0.058		0.0286	U	0.00130		0.1440	J	0.000289	U	0.000260	U	0.00470
01/08/20	20010509-03	0.00	U	6.1	J	0.0149	J 1	0.0040			U	0.00091	U	0.0025	U	0.058		0.0279	U	0.00130	J	0.0491	U	0.000220	U	0.000260	U	0.00470
01/09/20	20010640-03	0.00	J	16.0	U	0.0098	J 1	0.0037			U	0.00091	U	0.0025	U	0.058		0.0278	U	0.00130	U	0.0470	U	0.000220	U	0.000260	U	0.00470
01/10/20	20010738-03	0.02	J	12.0		0.1340	U	0.0012			U	0.00091	U	0.0025		0.200		0.0289	U	0.00130	J	0.0610	U	0.000220	U	0.000260		0.01030
01/11/20	20010739-03	2.75	J	8.4	J	0.0180	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0364	U	0.00130		0.5990	J	0.000696	U	0.000260	U	0.00470
01/12/20	20010740-03	0.50	J	10.0	J	0.0167	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0335	U	0.00130		0.5270	U	0.001300	U	0.000260	U	0.00470
01/13/20	20010820-03	0.00	J	14.0	J	0.0166	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0279	U	0.00130		0.1660	J	0.000381	U	0.000260	U	0.00470
01/14/20	20010926-03	0.00	J	14.0	J	0.0174	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0297	U	0.00130		0.1520	U	0.000220	U	0.000260	U	0.00470
01/15/20	20011007-03	0.00	U	6.1	J	0.0234	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0285	U	0.00130		0.2120	J	0.000282	U	0.000260	U	0.00470
01/16/20	20011260-03	0.00	J	8.4	J	0.0187	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0259	J	0.00199		0.5540	J	0.000843	U	0.000260	U	0.00470
01/17/20	20A0773-01,02	0.00	U	9.3	J	0.0960							U	0.0060		0.200		0.0780	J	0.00230	U	0.0120	U	0.003300	U	0.000053	J	0.02000
	20011209-03		J	18.0	J	0.0147	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0242	J	0.00145		0.4980	J	0.000705	U	0.000260	U	0.00470
01/18/20	20011212-03	0.00	J	18.0	J	0.0241	U	0.0012			U	0.00091	U	0.0025	U	0.058		0.0251	J	0.00151		0.5270	J	0.000613	U	0.000260	U	0.00470
01/19/20	20011236-03	0.00	J	6.4	J	0.0158	U	0.0012			U	0.00091	U	0.0025		0.100		0.0258	J	0.00164		0.4670	J	0.000635	U	0.000260	U	0.00470
01/20/20	20011295-03	0.00	U	6.1	U	0.0098	U	0.0012			U	0.00091	U	0.0025		0.100		0.0287	U	0.00130		0.1950	J	0.000331	U	0.000260	U	0.00470
01/21/20	20011440-04	0.00	U	9.3	J	0.0690	U	0.0020			U	0.00091	U	0.0060		0.140		0.0300	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/22/20	20A0908-01,02	0.00		18.0	U	0.0540	U	0.0020			U	0.00091	J	0.0073		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000260	U	0.00730
01/23/20	20A1049-01,02	0.00		14.0		0.1300	U	0.0020			U	0.00091	U	0.0060		0.140		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/24/20	20A1101-01,02	0.00	U	9.3		0.1200		0.0120			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/25/20	20A1101-01,02	0.00	U	9.3	J	0.0970	J	0.0020			U	0.00091	U	0.0060		0.140		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.01200
01/26/20	20A1108-01,02	0.00	U	9.3	J	0.0720	J	0.0024			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/27/20	20A1159-01,02	0.00	U	9.3		0.1100	J	0.0023			U	0.00091	U	0.0060		0.150		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/28/20	20A1213-01,02	0.00	U	9.3	J	0.0940	J	0.0026			U	0.00091	U	0.0060		0.140		0.0240	U	0.00130	U	0.0120	J	0.004600	U	0.000053	U	0.00730
01/29/20	20A1297-01,02	0.00		18.0	J	0.0950	J	0.0022			U	0.00091	U	0.0060		0.140		0.0280	J	0.00340	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/30/20	20A1361-01,02	0.00	U	9.3	J	0.0670	J	0.0042			U	0.00091	U	0.0060		0.130		0.0360	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/31/20	20B0020-01,02	0.00		11.0		0.1000	J	0.0022			J	0.00130	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/01/20	20B0024-01,02	0.00		13.0		0.1100	J	0.0021			U	0.00091	J	0.0064		0.130		0.0240	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/02/20	20B0028-01,02	0.00		12.0		0.1000	J	0.0032			U	0.00091	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/03/20	20B0082-01,02	0.00		11.0	J	0.0680	J	0.0022			U	0.00091	U	0.0060		0.130		0.0320	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/04/20	20B0170-01,02	0.00		12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/05/20	20B0255-01,02	0.00	U	9.3		0.2100	U	0.0020			U	0.00091	U	0.0060		0.130		0.0230	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/06/20	20B0332-01,02	0.00	U	9.3		0.1300	U	0.0020			U	0.00120	U	0.0060		0.140		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/07/20	20B0397-01,02	0.00	U	9.3		0.2500	J	0.0028			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/08/20	20B0398-01,02	0.00	U	9.3		0.2700	U	0.0020			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/09/20	20B0419-01,02	0.00	U	9.3	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.130		0.0230	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/10/20	20B0480-01,02	0.00	U	9.3		0.1600	U	0.0020			U	0.00091	U	0.0060		0.130		0.0300	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/11/20	20B0540-01,02	0.00	U	9.3	J	0.0820	U	0.0020			U	0.00091	U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053		0.04100
02/12/20	20B0632-01,02	0.00		14.0	J	0.0580	U	0.0020			U	0.00091		0.0110		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/13/20	20B0708-01,02	0.00		11.0	J	0.0580	U	0.0020			U	0.00091		0.0130		0.130		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/14/20	20B0760-01,02	0.00		15.0		0.2400	U	0.0020			U	0.00091	U	0.0060		0.200	U	0.0190	J	0.00540	U	0.0120	U	0.003300	U	0.000053	J	0.01100
02/15/20	20B0761-01,02	0.00		11.0	J	0.0680	U	0.0020			U	0.00091	U	0.0060		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/16/20	20B0782-01,02	0.00		12.0		0.1700	U	0.0020			U	0.00091	U	0.0060		0.150		0.0210	J	0.00250	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/17/20	20B0829-01,02	0.00		10.0		0.2700	U	0.0020			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/18/20	20B0892-01,02	0.00	J	9.9		0.1700	U	0.0020			U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/19/20	20B0971-01,02	0.00		12.0		0.1400	U	0.0020			J	0.00100	U	0.0060		0.120		0.0270	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/20/20	20B1058-01,02	0.00		13.0		0.1000	U	0.0020			U	0.00091	U	0.0060		0.160		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/21/20	20B1121-01,02	0.00		12.0	U	0.0540	U	0.0020			U	0.00091	U	0.0060		0.150		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/22/20	20B1124-01,02	0.00		23.0	J	0.0590	J	0.0026			U	0.00091	U	0.0060		0.150		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/23/20	20B1130-01,02	0.00	U	9.3	J	0.0740	J	0.0032			U	0.00091	U	0.0060		0.140		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/24/20	20B1177-01,02	0.00		14.0		0.1500	U	0.0020			U	0.00091	U	0.0060		0.150		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/25/20	20B1239-01,02	0.18	J	9.6		0.1400	U	0.0020			J	0.00100	U	0.0060		0.160		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/26/20	20B1298-01,02	0.00		13.0		0.2200	U	0.0020			U	0.00091	U	0.0060		0.140		0.0270	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/27/20	20B1370-01,02	0.00		13.0		0.1500	J	0.0022			U	0.00091	U	0.0060		0.150		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/28/20	20C0007-01,02	0.00	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0310	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/29/20	20C0008-01,02	0.00	U	9.3	J	0.0730	U	0.0040			U	0.00091	U	0.0060		0.150		0.0290	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/01/20	20C0020-01,02	0.00	U	9.3		0.1100	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/02/20	20C0084-01,02	0.00	U	9.3		0.3200	U	0.0040			U	0.00091	U	0.0060		0.150		0.0280	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/03/20	20C0166-01,02	0.00	U	9.3		0.1200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/04/20	20C0238-01,02	0.02	U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/05/20	20C0298-01,02	0.00	U	9.3		0.1100	U	0.0040			U	0.00091	U	0.0060		0.150		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/06/20	20C0366-01,02	0.00	J	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20C0366-03,04		U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/07/20	20C0367-01,02	0.00	U	9.3		0.1200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20C0367-03,04		U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.280		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
03/08/20	20C0380-01,02	0.00	U	9.3		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20C0380-03,04		U	9.3		0.2200	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/09/20	20C0427-01,02	0.00		13.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20C0427-03,04			14.0	J	0.0960	U	0.0040			U	0.00091	U	0.0060		0.150		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/10/20	20C0489-01,02	0.54		14.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
	20C0489-03,04			12.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/11/20	20C0564-01,02	0.00		12.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/12/20	20C0638-01,02	0.00		13.0		0.1500	U	0.0040			U	0.00091		0.0150		0.140		0.0210	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/13/20	20C0708-01,02	0.00		13.0		0.1000	U	0.0040			U	0.00091		0.0290		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/14/20	20C0711-01,02	0.00		11.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/15/20	20C0714-01,02	0.02		14.0	J	0.0088	U	0.0040			U	0.00091		0.0120		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/16/20	20C0772-01,02	0.00		12.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/17/20	20C0835-01,02	0.04		18.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/18/20	20C0905-01, 02	0.00	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/19/20	20C0942-01,02	0.35	U	9.3	J	0.0950	U	0.0040			U	0.00091	U	0.0060		0.130		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/20/20	20C1005-01,02	0.40	U	9.3	J	0.0840	U	0.0040			U	0.00091	U	0.0060		0.140		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/21/20	20C1066-01,02	0.00		14.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/22/20	20C1037-01,02	0.00		17.0	J	0.0550	U	0.0040			U	0.00091	U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/23/20	20C1081-01,02	0.00		10.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.130		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/24/20	20C1132-01,02	0.00	U	9.3	J	0.0930	U	0.0040			U	0.00091	U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/25/20	20C1182-01,02	0.00		12.0	J	0.0760	U	0.0040			U	0.00091	U	0.0060		0.130		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/26/20	20C1215-01,02	0.00		14.0		0.2200	U	0.0040			U	0.00091	J	0.0064		0.130		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/27/20	20C1251-01,02	0.05		12.0	J	0.0810	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/28/20	20C1252-01,02	0.32		12.0	J	0.0840	U	0.0040			U	0.00091	U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/29/20	20C1277-01,02	0.02		11.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/30/20	20C1310-01,02	0.00		13.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0112	U	0.003300	U	0.000053	U	0.00730
03/31/20	20C1310-01,002	0.00		13.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/01/20	20D0081-01,02	0.00	U	9.3		0.1800	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/02/20	20D0127-01,02	0.00	U	9.3	J	0.0750	U	0.0040			U	0.00091	U	0.0060		0.130		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/03/20	20D0168-01,02	0.00	U	9.3	J	0.0770	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/04/20	20D0168-01,02	0.00	U	9.3	J	0.0770	U	0.0040			U	0.00091	U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/05/20	20D0169-01,02	0.08	U	9.3		0.1700	U	0.0040			U	0.00091	U	0.0060		0.160		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/06/20	20D0262-01,02	0.00	U	9.3		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/07/20	20D0330	0.63		20.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/08/20	20D0377	0.21		16.0		0.2100	J	0.0044			U	0.00091	J	0.0063		0.160		0.0370	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/09/20	20D0427	0.14		16.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.150		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/10/20	20D0466	0.00		14.0		0.1100	U	0.0044			U	0.00091	U	0.0060		0.160		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/11/20	20D0471	0.00		15.0		0.2100	U	0.0040			J	0.00110	U	0.0060		0.150		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/12/20	20D0476	0.14		12.0		0.1300	U	0.0040			J	0.00110	U	0.0060		0.150		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/13/20	20D0532	0.04		12.0		0.2100	J	0.0041			U	0.00091		0.0220		0.150		0.0280	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/14/20	20D0582	0.00		14.0	J	0.0880	U	0.0040			J	0.00110	J	0.0072		0.140		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/15/20	20D0659	0.00	U	9.3		0.1400	U	0.0040			U	0.00091	U	0.0060		0.150		0.0340	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/16/20	20D0702	0.00		10.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0310	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/17/20	20D0750	0.00		11.0		0.1300	U	0.0040			U	0.00091	J	0.0084		0.140		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/18/20	20D0752	0.00		11.0		0.2600	U	0.0040			U	0.00091	J	0.0062		0.150		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/19/20	20D0764	0.00		14.0		0.2000	U	0.0040			U	0.00091		0.0100		0.160		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/20/20	20D0808	0.00		13.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.160		0.0280	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/21/20	20D0866	0.14		12.0	J	0.0610	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/22/20	20D0936	0.00	U	9.3		0.1700	U	0.0040			U	0.00091	U	0.0060		0.140		0.0230	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/23/20	20D0989	0.04	U	9.3	J	0.0860	U	0.0040			U	0.00091	U	0.0060		0.130		0.0210	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/24/20	20D1065	0.00	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0260	J	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
04/25/20	20D1066	0.20	U	9.3	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/26/20	20D1087	0.00		15.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.140		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/27/20	20D1136	0.00		15.0	J	0.0820	U	0.0040			U	0.00091	J	0.0068		0.140		0.0290	J	0.00140	U	0.0120	U	0.003300	U	0..000053	U	0.00730
04/28/20	20D1205	0.56		11.0	J	0.0650	U	0.0040			U	0.00091	U	0.0060		0.130		0.0300	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/29/20	20D1256	0.50		14.0		0.1600	U	0.0040			U	0.00091	J	0.0068		0.140		0.0280	J	0.00190	U	0.0120	J	0.003900	U	0.000053	U	0.00730
04/30/20	20E0011	1.06		11.0	U	0.0540	U	0.0040			J	0.00120	U	0.0060		0.130		0.0250	J	0.00250	U	0.0120	J	0.004100	U	0.000053	U	0.00730
05/01/20	20E0055	0.04		11.0	J	0.0710	U	0.0040			U	0.00091	U	0.0060		0.130	J	0.0200	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/02/20	20E0056	0.00		12.0	J	0.0630	U	0.0040			U	0.00091	U	0.0060		0.120		0.0200	U	0.00130	U	0.0120	J	0.005200	U	0.000053	U	0.00730
05/03/20	20E0072	0.00		14.0	J	0.0560	U	0.0040			J	0.00100	U	0.0060		0.130		0.0240	J	0.00140	J	0.0260	U	0.003300	U	0.000053	U	0.00730
05/04/20	20E0122	0.00		14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00180	J	0.0210	U	0.003300	U	0.000053	U	0.00730
05/05/20	20E0196	0.05		14.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/06/20	20E0279	0.16		11.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/07/20	20E0375	0.00		20.0	J	0.0650	U	0.0040			U	0.00091	U	0.0060		0.160		0.0280	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
05/08/20	20E0433	0.00		17.0	J	0.0690	U	0.0040			U	0.00091	U	0.0060		0.140		0.0300	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/09/20	20E0434	0.00		13.0	J	0.0940	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00160	U	0.0120	J	0.003300	U	0.000053	U	0.00730
05/10/20	20E0456	0.00		13.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/11/20	20E0514	0.25		14.0		0.1900	U	0.0040			U	0.00091	J	0.0076		0.130		0.0270	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/12/20	20E0606	0.00		10.0		0.1500	U	0.0040			U	0.00091		0.0110		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/13/20	20E0658	0.00		15.0		0.2200	U	0.0040			J	0.00096		0.0120		0.120		0.0280	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
05/14/20	20E0716	0.10	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/15/20	20E0780	3.05	U	9.3		0.2400	U	0.0040			U	0.00091	J	0.0075		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/16/20	20E0781	0.07	U	9.3	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/17/20	20E0785	0.18	U	9.3		0.1000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/18/20	20E0855	0.72		13.0		0.1600	U	0.0040			U	0.00091	J	0.0092		0.120		0.0250	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/19/20	20E0946	0.14		14.0		0.3000	U	0.0040			U	0.00091	J	0.0067		0.120		0.0260	J	0.00150	J	0.0260	U	0.003300	U	0.000053	U	0.00730
05/20/20	20E1030	0.02		15.0		0.1200	U	0.0040			U	0.00091		0.0220		0.150		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/21/20	20E1106	0.00		13.0		0.1100	U	0.0040			U	0.00091		0.0120		0.140		0.0230	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/22/20	20E1199	0.02	U	9.3	J	0.0920	U	0.0040			U	0.00091	J	0.0077		0.130		0.0230	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/23/20	20E1200	0.00	U	9.3		0.1200	U	0.0040			U	0.00091		0.0130		0.130		0.0220	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
05/24/20	20E1180	2.55		17.0		0.1400	U	0.0040			U	0.00091	J	0.0077		0.130		0.0220	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/25/20	20E1189	0.54		13.0	J	0.0780	U	0.0040			U	0.00091	U	0.0060		0.130		0.0220	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/26/20	20E1279	0.00	U	9.3	J	0.0760	U	0.0040			U	0.00091		0.0170		0.120		0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/27/20	20E1331	0.00	U	9.3		0.1000	U	0.0040			U	0.00091		0.0270		0.120		0.0280	J	0.00180	J	0.0360	U	0.003300	U	0.000053	U	0.00730
05/28/20	30E1410	0.35		11.0		0.1700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/29/20	20F0007	0.82		11.0	J	0.0780	U	0.0040			U	0.00091	B	0.0120		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/30/20	20F0008	0.00	U	9.3		0.1300	U	0.0040			U	0.00091	BU	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/31/20	20F0042	0.00		9.9	U	0.0054	U	0.0040			U	0.00091	B	0.0210		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/01/20	20F0098	0.00		12.0		0.1300	U	0.0040			U	0.00091	J	0.0077		0.110		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/02/20	20F0163	0.00		9.9		0.1500	U	0.0040			U	0.00091		0.0220		0.120		0.0410	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/03/20	20F0251	0.00	U	9.3		0.1900	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/04/20	20F0334	0.00	J	9.9	J	0.0890	U	0.0040			U	0.00091	U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/05/20	20F0396	0.00		12.0		0.1100	U	0.0040			U	0.00091	J	0.0065		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/06/20	20F0398	0.00	U	9.3	B	0.1700	U	0.0040			U	0.00091	U	0.0060		0.110		0.0260	U	0.00130	J	0.0330	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
06/07/20	20F0478	0.00	U	9.3	U	0.0540	U	0.0040			U	0.00091	J	0.0064		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/08/20	20F0416	0.00	U	11.0	B	0.1500	U	0.0040			U	0.00091	U	0.0060		0.110		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/09/20	20F0555	0.00	U	9.3		0.1200	U	0.0040			U	0.00091	U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/10/20	20F0626	0.04		10.0		0.2300	U	0.0040			U	0.00091	J	0.0065		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/11/20	20F0732	0.05		11.0	J	0.0950	U	0.0040			U	0.00091	JB	0.0092		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/12/20	20F0777	0.00	J	9.6		0.1900	U	0.0040			U	0.00091	B	0.0140		0.120		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/13/20	20F0778	0.09		11.0	J	0.0740	U	0.0040			U	0.00091	B	0.0120		0.120		0.0240	U	0.00130	U	0.0160	U	0.003300	U	0.000053	U	0.00730
06/14/20	20F0814	0.00	U	9.3		0.1100	U	0.0040			U	0.00091	B	0.0140		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/15/20	20F0875	0.00	U	9.3		0.1900	U	0.0040			U	0.00091	J	0.0068		0.120		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/16/20	20F0962	0.00		11.0		0.1500	U	0.0040			U	0.00091	J	0.0089		0.120		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/17/20	20F1030	0.00		11.0		0.4600	U	0.0040			U	0.00091		0.0180		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/18/20	20F1100	0.00		11.0		0.2700	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/19/20	20F1197	0.00		12.0	B	0.2100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/20/20	20F1200	0.00	U	9.3	B	0.2500	U	0.0040			U	0.00091		0.0110		0.110		0.0200	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/21/20	20F1214	0.03	U	9.3	B	0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/22/20	20F1279	0.00		11.0	JB	0.0860	U	0.0040			U	0.00091	JB	0.0062		0.110		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/23/20	20F1363	1.48		13.0		0.3300	U	0.0040			U	0.00091	B	0.0100		0.110		0.0290	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/24/20	20F1443	0.02		11.0		0.1400	U	0.0040			U	0.00091	U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/25/20	20F1525	0.92		17.0		0.1000	U	0.0040			U	0.00091	J	0.0080		0.120		0.0200	U	0.00130	J	0.0140	J	0.004100	U	0.000053	U	0.00730
06/26/20	20F1605	0.00		18.0		0.1100	J	0.0042			U	0.00091	J	0.0071		0.120		0.0250	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
06/27/20	20F1608	1.05		18.0	U	0.0540	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
06/28/20	20F1620	0.00		17.0	J	0.0570	U	0.0040			U	0.00091	U	0.0060		0.120		0.0240	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
06/29/20	20F1690	0.00		17.0		0.1800	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00150	J	0.0140	U	0.003300	U	0.000053	U	0.00730
06/30/20	20G0009	0.02		13.0		0.2400	U	0.0040			U	0.00091	U	0.0060		0.110		0.0320	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/01/20	20G0098	0.00		12.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/02/20	20G0184	0.00		16.0	J	0.0600	U	0.0040			U	0.00091	U	0.0060		0.110		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/03/20	20G0189	0.00		13.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.120		0.0280	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
07/04/20	20G0195	0.00		11.0	J	0.0590	U	0.0040			U	0.00091	U	0.0060		0.110		0.0270	U	0.00130	J	0.0210	U	0.003300	U	0.000053	U	0.00730
07/05/20	20G0217	0.00		12.0		0.1200	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/06/20	20G0283	0.00	U	9.3		0.3400	U	0.0040			U	0.00091	U	0.0060		0.110		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/07/20	20G0362	0.00	U	9.3		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0310	J	0.00180	U	0.0120	U	0.003300	U	0.000053	J	0.00900
07/08/20	20G0439	0.02	J	9.9	U	0.0540	U	0.0040			U	0.00091	J	0.0066		0.110		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/09/20	20G0515	0.00		15.0		0.2500	U	0.0040			U	0.00091	U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/10/20	20G0586	0.20		15.0		0.1800	U	0.0040			U	0.00091	J	0.0087		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/11/20	20G0592	0.90	J	9.6	J	0.0820	U	0.0040			U	0.00091	J	0.0072		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/12/20	20G0611	0.07		15.0		0.1300	U	0.0040			U	0.00091		0.0110		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/13/20	20G0684	0.00		14.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.120		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/14/20	20G0783	0.00		13.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.130		0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/15/20	20G0883	0.00		13.0		0.1600	U	0.0040			U	0.00091	U	0.0060		0.110		0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/16/20	20G0974	0.95		14.0		0.1900	U	0.0040			U	0.00091	U	0.0060		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/17/20	20G1067	0.00		14.0	J	0.0640	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/18/20	20G1073	0.00		15.0	J	0.0740	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/19/20	20G1104	0.00		14.0	J	0.0920	U	0.0040			U	0.00091	J	0.0067		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/20/20	20G1181	0.45		17.0		0.2000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0300	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/21/20	20G1269	0.00	J	9.6		0.1300	U	0.0040			U	0.00091	J	0.0076		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/22/20	20G1341	0.12	U	9.3		0.1700	U	0.0040			U	0.00091	U	0.0060		0.130		0.0350	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/23/20	20G1426	0.04	J	9.9		0.1300	U	0.0040			U	0.00091	U	0.0060		0.130		0.0270	U	0.00130	J	0.0210	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																									
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
07/24/20	20G1527	0.00		10.0		0.1500	U	0.0040			U	0.00091	U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/25/20	20G1533	0.00		12.0		0.1100	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/26/20	20G1543	0.00		12.0		0.1000	U	0.0040			U	0.00091	U	0.0060		0.120		0.0260	J	0.00240	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/27/20	20G1638	0.08		12.0		0.1300	U	0.0040			U	0.00091	U	0.0060		0.120		0.0250	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/28/20	20G1721	0.15		18.0		0.1200	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/29/20	20G1787	0.00		14.0		0.1800	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	JB	0.0150	U	0.003300	U	0.000053	U	0.00730
07/30/20	20G1920	0.00		14.0	JB	0.0950	U	0.0040	U	0.00091			U	0.0060		0.120		0.0340	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
07/31/20	[2]	0.00		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]		[2]
08/01/20	20H0009	0.00		12.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/02/20	20H0015	0.60	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/03/20	20H0042	0.65	U	9.3	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/04/20	20H0143	0.44		16.0		0.1000	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/05/20	20H0209	0.00		18.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/06/20	20H0323	0.01		18.0		0.1300	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/07/20	20H0442	0.00		21.0	J	0.0830	U	0.0040	U	0.00091				0.0170		0.120		0.0260	J	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
08/08/20	20H0529	0.00		17.0		0.2300	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/09/20	20H0533	0.00		13.0	J	0.0580	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/10/20	20H0549	0.02	U	9.3	J	0.0920	U	0.0040	U	0.00091			U	0.0060		0.100		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/11/20	20H0629	0.34	U	16.0	J	0.0870	U	0.0040	U	0.00091				0.0190		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/12/20	20H0731	0.00		18.0	J	0.0670	U	0.0040	U	0.00091			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/13/20	20H0817	0.00		13.0	JB	0.0780	U	0.0040	U U	0.00091 0.00091	U	0.00091	U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/14/20	20H0950	0.00		12.0	JB	0.0870	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/15/20	20H1056	0.00	U	9.3	J	0.0550	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/16/20	20H1063	0.00	U	9.3	J	0.0720	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/17/20	20H1070	0.00	U	9.3	J	0.0700	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/18/20	20H1173	0.00	U	9.3	J	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/19/20	20H1337	0.00	U	9.3		0.1000	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/20/20	20H1434	0.00		17.0	J	0.0760	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
08/21/20	20H1438	0.00		16.0	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/22/20	20H1585	0.00		16.0	J	0.0760	U	0.0040	U	0.00091			BU	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/23/20	20H1623	0.00		16.0		0.1300	U	0.0040	U	0.00091			JB	0.0094		0.110		0.0230	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/24/20	20H1637	0.00		12.0		0.1300	U	0.0040	J	0.00130			U	0.0060		0.110		0.0190	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/25/20	20H1740	0.00		12.0	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/26/20	20H1833	0.00		11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/27/20	20H1976	0.00		12.0		0.1500	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/28/20	20H2047	0.00		15.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
08/29/20	20H2123	0.02		14.0	J	0.0890	U	0.0040	U	0.00091			U	0.0060		0.130		0.0280	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
08/30/20	20H2134	0.00		13.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.140		0.0220	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
08/31/20	20H2142	0.00		16.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	U	0.00130	J	0.0310	U	0.003300	U	0.000053	U	0.00730
09/01/20	20I0006	0.00	U	9.3		0.1500	U	0.0040	U	0.00091			J	0.0062		0.120		0.0260	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
09/02/20	20I0117	0.48	U	9.3	J	0.0800	U	0.0040	U	0.00091			J	0.0074		0.120		0.0450	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/03/20	20I0227	0.00		11.0	J	0.0650	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/04/20	20I0310	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/05/20	20I0394	0.00	U	9.3		0.1600	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/06/20	20I0398	0.08	U	9.3		0.1400	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
09/07/20	20I0401	0.18		30.0	J	0.0970	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
09/08/20	20I0447	0.73		18.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
09/09/20	20I0536	0.42		20.0	J	0.0620	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/10/20	20I0645	0.01		23.0	J	0.0580	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/11/20	20I0750	0.02	U	9.3	J	0.0730	U	0.0040	U	0.00091			J	0.0066		0.120		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/12/20	20I0814	0.00		20.0	J	0.0810	U	0.0040	U	0.00091			BU	0.0060		0.100		0.0250	J	0.00160	J	0.0130	U	0.003300	U	0.000053	U	0.00730
09/13/20	20I0825	0.26	U	9.3	U	0.0540	U	0.0040	U	0.00091			BU	0.0060		0.100		0.0240	J	0.00160	J	0.0140	U	0.003300	U	0.000053	U	0.00730
09/14/20	20I0858	0.00	U	9.3	J	0.0580	U	0.0040	U	0.00091			U	0.0060		0.100		0.0240	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
09/15/20	20I0928	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.100		0.0270	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/16/20	20I1018	0.00	U	9.3	J	0.0790	U	0.0040	U	0.00091			U	0.0060		0.100		0.0360	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/17/20	20I1127	0.00	U	9.3	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/18/20	20I1200	0.00	U	9.3		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0220	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/19/20	20I1254	0.00	U	9.3		0.1200		0.0060	U	0.00091			U	0.0060		0.130		0.0240	J	0.00220	U	0.0120	J	0.003900	U	0.000053	U	0.00730
09/20/20	20I1261	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00300	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/21/20	20I1280	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00130	J	0.0120	U	0.003300	U	0.000053	U	0.00730
09/22/20	20I1360	0.00	U	9.3	J	0.0810	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/23/20	20I1442	0.00	U	9.3	JB	0.0560	U	0.0040	U	0.00091				0.0110		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/24/20	20I1528	0.00		12.0	J	0.0700	U	0.0040	U	0.00091			U	0.0060		0.130		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/25/20	20I1620	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/26/20	20I1672	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0260	U	0.00130	U	0.0012	U	0.003300	U	0.000053	U	0.00730
09/27/20	20I1684	0.00	U	9.3	B	0.1100	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/28/20	20I1710	0.20	U	9.3	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/29/20	20I1755	0.27	U	9.3		0.1200	U	0.0040	U	0.00091			U	0.0060		0.110		0.0250	J	0.00180	U	0.0120	U	0.003300	U	0.000053	U	0.00730
09/30/20	20I1842	0.00	U	9.3	J	0.0640	U	0.0040	U	0.00091			U	0.0060		0.110		0.0280	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/01/20	20J0009	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0300	J	0.00170	U	0.0120	J	0.003400	U	0.000053	U	0.00730
10/02/20	20J0095	0.64	U	9.3	J	0.0870	U	0.0040	U	0.00091			U	0.0060		0.130		0.0250	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/03/20	20J0163	0.00	U	9.3	M	0.1700	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00160	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/04/20	20J0172	0.40	U	9.3		0.1900	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/05/20	20J0189	0.02	U	9.3	J	0.0660	U	0.0040	U	0.00091			U	0.0060		0.130		0.0300	J	0.00230	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/06/20	20J0248	0.00	U	9.3	J	0.0820	U	0.0040	U	0.00091			U	0.0060		0.130		0.0270	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/07/20	20J0351	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/08/20	20J0437	0.00	U	10.0	J	0.0790	U	0.0040	U	0.00091			BUM	0.0060		0.130		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00330
10/09/20	20J0527	0.00	U	9.3	BUM	0.0540	U	0.0040	U	0.00091			RUM	0.0060		0.120		0.0270	J	0.00170	BJ	0.0390	U	0.003300	U	0.000053	U	0.00730
10/10/20	20J0621	0.00	U	9.3	J	0.0710	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/11/20	20J0632	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/12/20	20J0646	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/13/20	20J0733	0.14	U	9.3	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/14/20	20J0826	0.00	U	9.3	BU	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0380	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/15/20	20J0897	0.04	U	9.3	U	0.0540	U	0.0040	U	0.00091			BU	0.0060		0.130		0.0250	J	0.00130	J	0.0200	U	0.003300	U	0.000053	U	0.00730
10/16/20	20J0998	0.00	U	9.3	J	0.0600	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	J	0.00730
10/17/20	20J1069	0.00	U	9.3		0.1500	U	0.0040	U	0.00091			J	0.0086		0.130		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
10/18/20	20J1078	0.00	U	9.3	J	0.0780	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
10/19/20	20J1089	0.30	U	9.3	J	0.0880	U	0.0040	U	0.00091			U	0.0060		0.120		0.0470	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/20/20	20J1171	0.04	U	9.3	J	0.0640	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0460	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/21/20	20J1264	0.17	U	9.3		0.1300	U	0.0040	U	0.00091			BUM	0.0060		0.120		0.0370	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/22/20	20J1345	0.62	U	9.3	J	0.0650	U	0.0040	U	0.00091			BU	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/23/20	20J1433	0.00	U	9.3	J	0.0790	U	0.0040	U	0.00091			BU	0.0060		0.120		0.0250	J	0.00190	BU	0.0120	U	0.003300	U	0.000053	J	0.00750
10/24/20	20J1509	0.32	U	9.3	J	0.0630	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
10/25/20	20J1519	0.03	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0270	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/26/20	20J1538	0.08	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00290	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/27/20	20J1594	0.12	U	9.3		0.1500	U U U	0.0040 0.0040 0.0040	U	0.00091			U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/28/20	20J1677	0.10	U	9.3	U	0.0540	U HU HU	0.0040 0.0040 0.0040	U	0.00091			U	0.0060		0.160		0.0310	J	0.00160	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
10/29/20	20J1744	0.00	J	9.8	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0290	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/30/20	20J1820	0.03	U	9.3		0.1400	U	0.0040	U	0.00091			U	0.0060		0.140		0.0350	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
10/31/20	20K0004	0.00	U	9.3		0.1400	U	0.0040	U	0.00091			U	0.0060		0.140		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/01/20	20K0014	0.00	U	9.3		0.1300	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	J	0.00170	MU	0.0120	U	0.003300	U	0.000053	U	0.00730
11/02/20	20K0024	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.140		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/03/20	20K0081	0.00	U	9.3	J	0.0750	U U U	0.0040 0.0040 0.0040	U	0.00091			MU	0.0025		0.130		0.0280	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/04/20	20K0192	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			BMJ	0.0073		0.130		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/05/20	20K0278	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	BU	0.000053	U	0.00730
11/06/20	20K0339	0.00	U	9.3	B	0.1600	U	0.0040	U	0.00091			U	0.0060		0.130		0.0240	J	0.00150	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
11/07/20	20K0435	0.00		19.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/08/20	20K0446	0.00		15.0	J	0.0560	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/09/20	20K0451	0.00		12.0	J	0.0860	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/10/20	20K0517	0.00	MU	9.3	J	0.0860	U	0.0040	U	0.00091			U	0.0060		0.120		0.0250	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/11/20	20K0598	0.33		13.0		0.1800	M U U	0.0320 0.0040 0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00230	U	0.0120	U	0.003300	U	0.000053	J	0.00930
11/12/20	20K0680	0.00		15.0		0.1000	U	0.0040	U	0.00091			U	0.0060		0.130		0.0310	J	0.00130		0.3300	U	0.003300	U	0.000053	U	0.00730
11/13/20	20K0758	0.05		13.0	J	0.0590	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/14/20	20K0831	0.00	U	9.3	B	0.1000	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	J U U	0.000110 0.000053 0.000053	U	0.00730
11/15/20	20K0839	0.31	U	9.3	BU	0.0540	J HU	0.0048 0.0066 0.0040	U	0.00091			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/16/20	20K0859	0.03		13.0	J	0.0750	J HU HU	0.0044 0.0051 0.0040 0.0040	J HU	0.00097 0.00091			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/17/20	20K0918	0.00		15.0	J	0.0790	U	0.0040	 U HU	0.00580 0.00091 0.00091			BU	0.0060		0.120		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/18/20	20K1016	0.00	J	9.4		0.1000	U	0.0040	U	0.00091			U	0.0060		0.130		0.0320	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/19/20	20K1097	0.00		11.0		0.1100	U	0.0040	U	0.00091			U	0.0060		0.140		0.0340	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
11/20/20	20K1159	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0340	J	0.00160	J	0.0150	U	0.003300	U	0.000053	U	0.00730
11/21/20	20K1225	0.00		14.0	BU	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00330
11/22/20	20K1238	0.10	U	9.3	B	0.1000	U	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00260	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/23/20	20K1254	0.08	U	9.3	BMU	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260		0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
11/24/20	20K1348	0.15		12.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0300	J	0.00190	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/25/20	20K1465	0.22	U	9.3		0.1200	U	0.0040	U	0.00091			U	0.0060		0.110		0.0270	J	0.00280	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/26/20	20K1530	0.23		11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0240	J	0.00220	U	0.0120		0.003300	U	0.000053	U	0.00730
11/27/20	20K1540	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.120		0.0230	J	0.00210	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/28/20	20K1556	0.00	U	9.3	J	0.0780	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/29/20	20K1564	0.00		13.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
11/30/20	20K1573	0.00	U	9.3	J	0.0680	U	0.0040	U	0.00091			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/01/20	20L0006	0.03	U	9.3	J	0.0930	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0300	J	0.00140	J	0.0150	U	0.003300	U	0.000053	U	0.00730
12/02/20	20L0082	0.00	U	9.3	U	0.0540	U	0.0040	U UH	0.00091 0.00091			U	0.0060		0.130		0.0330	J	0.00210	J	0.0140	U	0.003300	U	0.000053	U	0.00730
12/03/20	20L0170	0.00	U	9.3	J	0.0930	MU	0.0040	U UH	0.00091 0.00091			U	0.0060		0.120		0.0350	J	0.00160	J	0.0480	U	0.003300	U	0.000053	U	0.00730
12/04/20	20L0283	0.00		14.0	U	0.0540	U	0.0040	J U	0.00093 0.00091			U	0.0060		0.120		0.0330	J	0.00160	J	0.0150	U	0.003300	U	0.000053	U	0.00730
12/05/20	20L0358	0.00		12.0	U	0.0540	MU	0.0040	U	0.00091			U	0.0060		0.120		0.0270	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/06/20	20L0340	0.02		11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.110		0.0320	J	0.00170	J	0.0220	U	0.003300	U	0.000053	U	0.00730
12/07/20	20L0367	0.00		19.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0260	J	0.00140	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/08/20	20L0448	0.00		15.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.110		0.0250	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
12/09/20	20L0530	0.00		12.0	B	0.1200	U	0.0040	U	0.00091			U	0.0060		0.120		0.0330	U	0.00130	J	0.0210	U	0.003300	U	0.000053	U	0.00730
12/10/20	20L0602	0.00		13.0	J	0.0780	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	J	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/11/20	20L0680	0.00		12.0	U	0.0540	U	0.0040	U	0.00091			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/12/20	20L0733	0.93	U	9.3	BJ	0.0760	U	0.0040	U	0.00091			MU	0.0060		0.130		0.0310	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/13/20	20L0741	0.25		43.0	B	0.2200	U	0.0040	U	0.00091			U	0.0060		0.130		0.0280	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/14/20	20L0750	0.00		11.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0290	J	0.00170	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/15/20	20L0830	0.00		15.0	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.130		0.0270	J	0.00130	BJ	0.0300	U	0.003300	U	0.000053	U	0.00730
12/16/20	20L0931	0.00	U	9.3		0.2600	U	0.0040	U	0.00091			U	0.0060		0.140		0.0350	U	0.00130	J	0.0220	U	0.003300	U	0.000053	U	0.00730
12/17/20	20L1009	0.01	U	9.3	U	0.0540	U	0.0040	U	0.00091			U	0.0060		0.140		0.0340	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
12/18/20	20L1093	0.03	U	9.3	J	0.0650	U	0.0040	U	0.00091			U	0.0060		0.140		0.0260	J	0.00170	J	0.0180	U	0.003300	U	0.000053	J	0.01100
12/19/20	20L1170	0.00	U	9.3		0.1100	U	0.0040	U	0.00091			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/20/20	20L1179	0.00	U	9.3		0.1300	U	0.0040	U	0.00091			U	0.0060		0.130		0.0280	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
12/21/20	20L1190	0.02	U	9.3	J	0.0900	U	0.0040	U	0.00091			U	0.0060		0.130		0.0400	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/22/20	20l1259	0.00		10.0	J	0.0990	MU	0.0040	U	0.00091			U	0.0060		0.130		0.0340	J	0.00140	J	0.0330	U	0.003300	U	0.000053	U	0.00730
12/23/20	20l1329	0.00		10.0	J	0.0750	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0340	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/24/20	20l1389	0.00		14.0	J	0.0540	MU	0.0040	U	0.00170			U	0.0060		0.130		0.0430	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/25/20	20L1417	0.00		12.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/26/20	20L1428	0.00		11.0	J	0.0590	MU	0.0040	U	0.00170			U	0.0060		0.140		0.0280	J	0.00140	J	0.0130	U	0.003300	U	0.000053	U	0.00730
12/27/20	20L1436	0.00		10.0	J	0.0800	U	0.0040	U	0.00170			U	0.0060		0.130		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/28/20	20L1448	0.00		17.0	MU	0.0540	U	0.0040	U	0.00170			J	0.0079		0.120		0.0340	U	0.00130	BJ	0.0190	U	0.003300	U	0.000053	U	0.00730
12/29/20	20L1498	0.00		11.0	U	0.0540	U	0.0040	U	0.00140			J	0.0067		0.140		0.0370	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
12/30/20	20L1602	0.00		19.0		0.1100	U	0.0040	U	0.00170			MU	0.0060		0.140		0.0390	J	0.00410	U	0.0120	U	0.003300	U	0.000053	U	0.00730
12/31/20	20L1655	0.00		21.0		0.1200	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0290	J	0.00200	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/01/21	21A0006	0.00		19.0		0.1200	MU	0.0040	U	0.00170			MU	0.0060		0.130		0.0280	J	0.00310	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/02/21	21A0017	0.00		18.0		0.1200	MU	0.0040	U	0.00170			U	0.0060		0.120		0.0270	J	0.00270	J	0.0150	U	0.003300	U	0.000053	U	0.00730
01/03/21	21A0025	0.00		18.0		0.1400	U	0.0040	U	0.00170			J	0.0085		0.140		0.0300	J	0.00220	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/04/21	21A0038	0.00		14.0	J	0.0680	U	0.0040	U	0.00170			U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/05/21	21A0063	0.00		14.0	J	0.0800	U	0.0040	U	0.00170			J	0.0062		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/06/21	21A0125	0.00	U	9.3	J	0.0870	U	0.0040	U	0.00170			MU	0.0060		0.140		0.0320	J	0.00130	J	0.0340	U	0.003300	U	0.000053	J	0.00860

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
01/07/21	21A0231	0.00		11.0	J	0.0980	U	0.0040	U	0.00170			MU	0.0060		0.140		0.0690	U	0.00130	U	0.0120	J	0.004000	U	0.000053	U	0.00730
01/08/21	21A0270	0.00		15.0	J	0.0720	MU	0.0040	U	0.00170			U	0.0060		0.130		0.0300	J	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
01/09/21	21A0380	0.00	J	9.4	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/10/21	21A0381	0.00	U	9.3	J	0.0640	U	0.0040	U	0.00170			U	0.0060		0.120		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/11/21	21A0382	0.00		11.0	J	0.0690	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/12/21	21A0456	0.00		11.0	J	0.1000	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.00840
01/13/21	21A0514	0.00	U	9.3	J	0.0770	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/14/21	21A0583	0.00	J	9.8	J	0.0830	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/15/21	21A0640	0.14	J	9.8		0.1000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/16/21	21A0694	0.00		15.0		0.1200	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/17/21	21A0695	0.00		14.0		0.1500	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/18/21	21a0696	0.00		13.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/19/21	21A0762	0.00		13.0	U	0.0540	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/20/21	21A0812	0.00		10.0	U	0.0540	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0280	U	0.00130	BJ	0.0140	U	0.003300	U	0.000053	U	0.00730
01/21/21	21A0939	0.00		17.0	J	0.0650	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0260	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
01/22/21	21A1009	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/23/21	21A1089	0.00		10.0	J	0.1000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0300	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/24/21	21A1090	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/25/21	21A1092	0.00	U	9.3		0.1800	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/26/21	21A1138	0.00	U	9.3	J	0.0930	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0250	U	0.003300	U	0.000053	U	0.00730
01/27/21	21A1230	0.00	U	9.3	M	0.1200	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
01/28/21	21A1292	0.00	U	9.3	M	0.1600	U	0.0040	U	0.00170			U	0.0060		0.130		0.0280	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
01/29/21	21A1378	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	J	0.003500	U	0.000053	U	0.00730
01/30/21	21A1303	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	J	0.01100
01/31/21	21A1304	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/01/21	21B0001	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0290	U	0.00130	J	0.0200	U	0.003300	U	0.000053	U	0.00730
02/02/21	21B0015	0.00		10.0	J	0.0660	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
02/03/21	21B0096	0.00		10.0		0.1100	U	0.0040		0.00200 U 0.00170			U	0.0060		0.130		0.0860	J	0.00190	U	0.0012	U	0.003300	U	0.000053	U	0.00730
02/04/21	21B0201	0.00	J	9.8	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0660	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/05/21	21B0204	0.00	U	9.3	J	0.0590	U	0.0040	U	0.00170			U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/06/21	21B0214	0.00		10.0	J	0.0700	U	0.0040	U	0.00170			U	0.0060		0.130		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/07/21	21B0216	0.00		25.0	J	0.0880	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/08/21	21B0219	0.00	U	9.3	J	0.0840	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/09/21	21B0469	0.00	U	9.3	J	0.0740	U	0.0040	U	0.00170			U	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/10/21	21B0521	0.00	U	9.3		0.1100	U	0.0040	U	0.00170			MJ	0.0066		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/11/21	21B0601	0.00	U	9.3	MJ	0.0860	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/12/21	21B0781	0.00	U	9.3	J	0.0830	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/13/21	21B0780	0.00	J	9.4	U	0.0540	U	0.0040	U	0.00170			QJ	0.0065		0.120		0.0250	U	0.00130	J	0.0220	U	0.003300	U	0.000053	U	0.00730
02/14/21	21B0781	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/15/21	20B0782	0.00	U	9.3		0.1500	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
02/16/21	21B0867	0.00	U	9.3	M	0.1200	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/17/21	21B0918	0.00	U	9.3	J	0.0680	U	0.0040	U	0.00170			MJ	0.0074		0.120		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/18/21	21B0965	0.00	U	9.3		0.1100	U	0.0040	U	0.00170			J	0.0078		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/19/21	21B1030	0.00	U	9.3	MRU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000260	U	0.00730
02/20/21	21B1118	0.00	U	9.3	B	0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/21/21	21B1119	0.00	U	9.3	BJ	0.0890	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
02/22/21	21B1121	0.00	U	9.3		0.2300	U	0.0040	U	0.00170			U	0.0060		0.140		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/23/21	21B1179	0.00	U	9.3	J	0.0760	U	0.0040	U	0.00170			U	0.0060		0.140		0.0300	U	0.00130	J	0.0150	U	0.003300	U	0.000053	U	0.00730
02/24/21	21B1255	0.00	J	9.4	M	0.1200	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/25/21	21B1384	0.00	U	9.3		0.1300	U	0.0040	U	0.00170			U	0.0060		0.120		0.0230	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
02/26/21	21B1423	0.00		10.0		0.1000	U	0.0040	U	0.00170			U	0.0060		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/27/21	21B1389	0.05	J	9.4		0.1200	U	0.0040	U	0.00170			MU	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
02/28/21	21B1397	0.00	U	9.3		0.1900	U	0.0040	U	0.00170			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/01/21	21C0001	0.00		12.0		0.1600	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
03/02/21	21C0037	0.00		13.0	MJ	0.0770	U	0.0040	U	0.00170			U	0.0060	U	0.058		0.0290	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
03/03/21	21C0077	0.00		17.0	MJ	0.0730	U	0.0040		0.00330			MU	0.0060		0.130		0.0310	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
									U	0.00170																				
03/04/21	21C0173	0.00		13.0	J	0.0560	U	0.0040	U	0.00170			U	0.0060		0.140		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/05/21	21C0281	0.00		22.0	J	0.0890	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0260	U	0.00130	BJ	0.0130	U	0.003300	U	0.000053	U	0.00730
03/06/21	21C0257	0.00		24.0	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0170	U	0.003300	U	0.000053	U	0.00730
03/07/21	21C0263	0.00		18.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
03/08/21	21C0269	0.00	U	9.3	J	0.0660	U	0.0040		0.00220			U	0.0060		0.130		0.0250	U	0.00130	J	0.0200	U	0.003300	U	0.000053	U	0.00730
									U	0.00170																				
03/09/21	21C0413	0.00		13.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/10/21	21C0493	0.00	U	9.3	U	0.0540		0.0054	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/11/21	21C0596	0.00	U	9.3		0.1300	U	0.0040	U	0.00170			U	0.0060		0.140		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/12/21	21C0692	0.00	U	9.3	J	0.0960	U	0.0040	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/13/21	21C0704	0.00		15.0	M	0.1000	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/14/21	21C0710	0.00		12.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/15/21	21C0716	0.00		13.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/16/21	21C0916	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/17/21	21C1002	0.00		13.0		0.1500	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/18/21	21C1065	0.08		12.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/19/21	20C1207	0.22		13.0		0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/20/21	21C1095	0.00		16.0	MJ	0.0960	J	0.0042	U	0.00170			U	0.0060		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/21/21	21C1101	0.00	J	9.4	J	0.0880	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/22/21	21C1133	0.00	J	9.4	J	0.0710	U	0.0040	U	0.00170			U	0.0060		0.110		0.0220	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/23/21	21C1328	0.00		13.0	J	0.0700	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/24/21	21C1391	0.15		14.0		0.1200	U	0.0040	U	0.00170			BU	0.0060		0.120		0.0240	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/25/21	21C1511	0.00	J	7.5		0.1100	U	0.0044	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
03/26/21	21C1632	0.82		12.0	J	0.0830	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/27/21	21C1577	0.00	U	6.1	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	J	0.00140	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/28/21	21C1583	0.23		16.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/29/21	21C1589	0.00	J	7.5	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0280	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
03/30/21	21C1728	0.00	J	9.7	M	0.1200	U	0.0040	U	0.00170			J	0.0080		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
03/31/21	21C1820	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			J	0.0083		0.130		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/01/21	21D0014	0.00	U	9.3	U	0.0540	MU	0.0040	U	0.00170			BU	0.0060		0.130		0.0260	J	0.00150	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/02/21	21D0069	0.00	U	9.3	J	0.0660	U	0.0040	U	0.00170			U	0.0060		0.140		0.0320	U	0.00130	J	0.0240	U	0.003300	U	0.000053	U	0.00730
04/03/21	21D0001	0.00	U	9.3		0.1200	U	0.0040	U	0.00170			MU	0.0060		0.130		0.0330	U	0.00130	J	0.0240	U	0.003300	U	0.000053	U	0.00730
04/04/21	21D0007	0.00	U	9.3	J	0.0730	U	0.0040	U	0.00170			U	0.0060		0.130		0.0310	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
04/05/21	21D0013	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/06/21	21D0212	0.00	B	15.0		0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	J	0.00160	J	0.0190	U	0.003300	U	0.000053	U	0.00730
04/07/21	21D0276	0.00	B	16.0	B	0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	J	0.00200	J	0.0130	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
04/08/21	21D0354	0.17	U	9.3		0.2000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/09/21	21D0477	0.03	U	9.3	MU	0.0540	U	0.0040	U	0.00170			MRU	0.0060		0.110		0.0220	U	0.00130	J	0.0220	U	0.003300	U	0.000053	U	0.00730
04/10/21	21D0401	0.33		11.0	MU	0.0540	U	0.0040	U	0.00170			J	0.0078		0.110		0.0230	U	0.00130	J	0.0300	U	0.003300	U	0.000053	U	0.00730
04/11/21	21D0410	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	J	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
04/12/21	21D0417	0.06	U	9.3	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/13/21	21D0625	0.00		39.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	J	0.0190	U	0.003300	U	0.000053	U	0.00730
04/14/21	21D0697	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
04/15/21	21D0790	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/16/21	21D0902	0.00		30.0	BM	0.1600	U	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/17/21	21D0826	0.00	U	9.3	J	0.0570	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/18/21	21D0834	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/19/21	21D0842	0.23		11.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260		0.01900	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/20/21	21D1031	0.03	U	9.3	U	0.0540	U	0.0040	U	0.00170				0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/21/21	21D1131	0.04	U	9.3	B	0.1900	U	0.0040	U	0.00170			U	0.0060		0.140		0.0270	J	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/22/21	21D1203	0.00		11.0	BM	0.1100	U	0.0040	U	0.00170			U	0.0060		0.130		0.0290	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/23/21	21D1279	0.00		17.0	MU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	J	0.0130	U	0.003300	U	0.000053	U	0.00730
04/24/21	21D1210	0.15	U	9.3	J	0.0680	U	0.0040	U	0.00170			J	0.0082		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/25/21	21D1219	0.00	U	9.3	J	0.0770	U	0.0040	U	0.00170				0.0140		0.130		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/26/21	21D1227	0.00	U	9.3	J	0.0620	U	0.0040	U	0.00170				0.0111		0.140		0.0250	U	0.00130	J	0.0280	U	0.003300	U	0.000053	U	0.00730
04/27/21	21D1415	0.00	U	9.3	MJ	0.0780	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/28/21	21D1483	0.39		14.0	BM	0.1300	U	0.0040	U	0.00170			U	0.0060		0.130		0.0330	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/29/21	21D1592	0.05	U	9.3	M	0.2100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0320	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
04/30/21	21D1760	0.00	U	9.3	MJ	0.0910	MJ	0.0044	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BJ	0.0130	U	0.003300	U	0.000053	U	0.00730
05/01/21	21E0001	0.00	U	9.3	BMU	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130			U	0.003300	U	0.000053	U	0.00730
05/02/21	21E0008	0.01	U	9.3	BJ	0.0900	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	BU	0.0120	U	0.003300	U	0.000053	U	0.00730
05/03/21	21E0016	0.19	U	9.3	U	0.0544	U	0.0040	U	0.00170			U	0.0060		0.130		0.0240	U	0.00130	J	0.0160	U	0.003300	U	0.000053	U	0.00730
05/04/21	21E0047	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.130		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/05/21	21E0124	0.00	U	9.3		0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0270	U	0.00130	J	0.0260	U	0.003300	U	0.000053	U	0.00730
05/06/21	21E0216	0.01	U	9.3	M	0.1200	U	0.0040	U	0.00170			U	0.0060		0.120		0.0300	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/07/21	21E0401	0.00	U	9.3	M	0.1100	U	0.0040	U	0.00170			U	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/08/21	21E0283	0.31	U	9.3	J	0.0680	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0012	U	0.003300	U	0.000053	U	0.00730
05/09/21	21E0291	1.70	U	9.3	J	0.0990	BU	0.0040		0.00270 U 0.00170			J	0.0074		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/10/21	21E0300	0.00	U	9.3	J	0.0640	U	0.0040	U	0.00170			J	0.0066		0.120		0.0260	U	0.00130	J	0.0180	U	0.003300	U	0.000053	U	0.00730
05/11/21	21E0558	0.00	J	9.5	MU	0.0540	U	0.0040	U	0.00170			J	0.0065		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/12/21	21E0662	0.00	U	9.3	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	BJ	0.0230	U	0.003300	U	0.000053	U	0.00730
05/13/21	21E0756	0.00	M	14.0	MJ	0.0630	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0250	U	0.00130	J	0.0170	U	0.003300	U	0.000053	U	0.00730
05/14/21	21E0803	0.00	U	9.3	BU	0.0540	BU	0.0040	U	0.00170			U	0.0060		0.120		0.0250	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/15/21	21E0865	0.00		13.0		0.1100	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/16/21	21E0873	0.00		16.0		0.1000	U	0.0040	U	0.00170			U	0.0060		0.120		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/17/21	21E0887	0.00		17.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060	U	0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/18/21	21E0998	0.01		20.0	U	0.0540	U	0.0040	U	0.00170			U	0.0060		0.110		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/19/21	21E1055	0.14	U	9.3	BMJ	0.0780	U	0.0040	U	0.00170			MU	0.0060		0.110		0.0270	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/20/21	21E1179	0.00	U	9.3	M	0.1300	U	0.0040	U	0.00170			MU	0.0060		0.110		0.0260	U	0.00130	J	0.0140	U	0.003300	U	0.000053	U	0.00730
05/21/21	21E1265	0.00		12.0	J	0.0920	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/22/21	21E1354	0.00	U	9.3	M	0.1700	U	0.0040	U	0.00170			U	0.0060		0.110		0.0220	U	0.00130	J	0.0120	U	0.003300	U	0.000053	U	0.00730
05/23/21	21E1363	0.00	U	9.3	BJ	0.0980	U	0.0040	U	0.00170			U	0.0060		0.110		0.0230	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																											
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
05/24/21	21E1371	0.00	U	9.3	MJ	0.0670	U	0.0040	U	0.00170				0.0140		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/25/21	21E1433	0.00	U	9.3	J	0.0690	U	0.0040	U	0.00170			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/26/21	21E1538	0.27	U	9.3	BMJ	0.0730	U	0.0040	U	0.00170			U	0.0060		0.110		0.0240	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/27/21	21E1633	0.03	U	9.3		0.1800	U	0.0040	U	0.00170			MU	0.0060		0.120		0.0260	U	0.00130		0.0650	J	0.004300	U	0.000053	U	0.00730
05/28/21	21E1714	1.03	U	9.3	U	0.0540	U	0.0040	J	0.00180			J	0.0086		0.110		0.0270	U	0.00130	U	0.1200	U	0.003300	U	0.000053	U	0.00730
05/29/21	21E1774	0.00	U	9.3		0.1400	U	0.0040	U	0.00170			U	0.0060		0.120		0.0260	U	0.00130	U	0.0240	U	0.003300	U	0.000053	U	0.00730
05/30/21	21E1781	0.00		24.0		0.1000	U	0.0040	U	0.00170			U	0.0060		0.110		0.0260	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
05/31/21	21E1791	0.00	U	9.3	BJ	0.0830	U	0.0040	U	0.00170			U	0.0060		0.120		0.0280	U	0.00130	U	0.0120	U	0.003300	U	0.000053	U	0.00730
06/01/21	***Reduced Sampling*** ***On 04/09/21 Cleveland-Cliffs submitted to IDEM proposed modifications to the Outfall 002 ESP which included reduction of sampling frequency from daily to 3/week; and eliminated COD, F Cn, A. Cn, Fluoride, TR B, Diss. Fe, TR Pb, and TR Ag analyses. IDEM approved the Cleveland-Cliffs-proposed modifications on 05/27/21***																													
06/01/21	21F0001	0.00			BJ	0.0660	U	0.0040					J	0.0068					U	0.00130							U	0.00730
06/02/21	21F0048	0.00			M	0.2400	J	0.0040					U	0.0060					U	0.00130							U	0.00730
06/03/21	no data	0.00				no data		no data						no data						no data								no data
06/04/21	21F0237	0.00				0.1200	U	0.0040					J	0.0081					U	0.00130							U	0.00730
06/05/21	no data	0.00				no data		no data						no data						no data								no data
06/06/21	no data	0.00				no data		no data						no data						no data								no data
06/07/21	21F0342	0.10				0.2700	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
06/09/21	21F0504	0.00				0.1700	MU	0.0040					QU	0.0060					U	0.00130							U	0.00730
06/11/21	21F0728	0.00			J	0.0880	U	0.0040					U	0.0060					U	0.00130							U	0.00730
06/14/21	21F0836	0.00			J	0.0710	U	0.0040					U	0.0060					U	0.00130							U	0.00730
06/16/21	no data	0.00				no data		no data						no data						no data								no data
06/17/21	21F1002	0.00			J	0.0800	U	0.0040					U	0.0060					MRJ	0.00170							U	0.00730
06/18/21	21F1236	0.52			J	0.0720	U	0.0040					BMU	0.0060					J	0.00130							U	0.00730
06/21/21	21F1338	0.53			J	0.0710	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
06/23/21	21F0448	0.00				0.1500	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
06/25/21	21F1641	1.01				0.1400	U	0.0040					U	0.0060					U	0.00130							U	0.00730
06/28/21	21F1725	0.02			BJ	0.0650	U	0.0040					U	0.0060					U	0.00130							U	0.00730
06/30/21	21F1879	0.02			BU	0.0540	MU	0.0040					BU	0.0060					U	0.00130							U	0.00730
07/02/21	21F0118	0.01				0.1700	BMU	0.0040					BU	0.0060					J	0.00200							J	0.00930
07/05/21	21G0231	0.01			U	0.0540	MU	0.0040					J	0.0084					J	0.00150							U	0.00730
07/06/21	21G0235	0.00			U	0.0540	MU	0.0040					J	0.0084					J	0.00150							U	0.00730
07/07/21	21G0278	0.01			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
07/09/21	21G0392	0.00			U	0.0540	U	0.0040					J	0.0068					U	0.00130							U	0.00730
07/12/21	21G0503	0.00			J	0.0780	U	0.0040					U	0.0060					J	0.00150							U	0.00730
07/14/21	21G0702	0.00			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
07/16/21	21G0917	0.00			B	0.1800	M	0.0140						0.0150					J	0.00130							J	0.00730
07/19/21	21G1075	0.00			J	0.0930	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
07/21/21	21G1174	0.00			U	0.0540	MU	0.0040					BU	0.0060					U	0.00130							U	0.00730
07/23/21	21G1370	0.00			M	0.1100	QU	0.0040					U	0.0060					J	0.00150							U	0.00730
07/26/21	21G1479	0.00			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
07/28/21	21G1587	0.00			BU	0.0540	U	0.0040						0.0120					U	0.00130							U	0.00730
07/30/21	21G1790	0.00			J	0.0770	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/02/21	21H0088	0.00			J	0.0610	U	0.0040					J	0.0062					U	0.00130							U	0.00730
08/04/21	21H0200	0.00			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/06/21	21H0382	0.56			J	0.0660	U	0.0040						0.0110					J	0.00190							U	0.00730

ATTACHMENT A

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
October 11, 2021

Sample ID: LM No. 2 - Lake Michigan No. 2 Intake

Sample Information			Laboratory Determinations																					
Sample Date	ALS/Microbac Lab ID	Precip (inches)	COD		Ammonia-N		Total Cyanide		Free Cyanide		Available Cyanide		T. Phenolics		Fluoride		TR Boron		TR Copper		Dissolved Iron		TR Lead		TR Silver		TR Zinc	
			Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)	Qual	(mg/L)
08/09/21	21H0469	0.13				0.1500	U UH UH	0.0040 0.0040 0.0040					U	0.0060					U	0.00130							U	0.00730
08/11/21	21H0670	0.03				0.1300	U	0.0040					J	0.0072					U	0.00130							U	0.00730
08/13/21	21H0790	0.00			U	0.0540	U	0.0040					U	0.0060					J	0.00130							U	0.00730
08/16/21	21G4006	0.00			B	0.3000	U	0.0040					BU	0.0060					U	0.00130							U	0.00730
08/18/21	21H1135	0.40				0.1700	U	0.0040					J	0.0064					U	0.00130							U	0.00730
08/20/21	21H1267	0.00				0.1400	MU	0.0040					U	0.0060					J	0.00130							U	0.00730
08/23/21	21H1474	0.00			J	0.0940	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/25/21	21H1609	0.33			BJ	0.0860	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/27/21	21H1668	0.00			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
08/30/21	21H1771	0.00			U	0.0540	U	0.0040					J	0.0063					U	0.00130							U	0.00730
09/01/21	21I0030	0.00			J	0.0870	MU	0.0040					U	0.0060					J	0.00180							U	0.00730
09/03/21	21I0041	0.01			U	0.0540	U	0.0040					BJ	0.0094					U	0.00130							U	0.00730
09/06/21	no data	0.00				no data		no data						no data						no data								no data
09/07/21	21I0320	0.00			MU	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
09/08/21	21I0319	0.00			U	0.0540	U	0.0040					U	0.0060					J	0.00140							U	0.00730
09/10/21	21I0414	0.00			U	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
09/13/21	21I0667	0.00				0.1100	U	0.0040						0.0250					U	0.00130							U	0.00730
09/15/21	21I0744	0.00				0.2800	U	0.0040					U	0.0060					U	0.00130							U	0.00730
09/17/21	21I0895	0.00			U	0.0540	U	0.0040						0.0150					U	0.00130							U	0.00730
09/20/21	21I1101	0.05			U	0.0540	U	0.0040					MU	0.0060					U	0.00130							U	0.00730
09/22/21	21I1195	0.01			BU	0.0540	U	0.0040					U	0.0060					U	0.00130							U	0.00730
09/24/21	21I1520	0.00				0.1600	BU	0.0040					U	0.0060					U	0.00130							U	0.00730
09/27/21	21I1221	0.00			U	0.0540	U	0.0040					U	0.0060					J	0.00190							U	0.00730
09/29/21	21I1650	0.00			J	0.0650	U	0.0040					U	0.0060					U	0.00130							U	0.00730
10/01/21	21J0001	0.00			BMU	0.0540	BU	0.0040					U	0.0060						0.01400							J	0.00730
10/01/21	***End of Outfall 002 ESP***																											

Notes

[1] Starting May 1, 2020, Outfall 002 total Cyanide and total phenolics data reflect samples collected in accordance with the IDEM-recommended revised composite sampling procedure.

[2] Starting July 31, 2020, 24-hr composite samples analyzed by Microbac and ALS are dated the day composite samples are collected (modified from the day composite samples are started at the direction of IDEM and U.S. EPA). As a result of this date reporting modification, there are no samples dated July 31, 2020.

Qualifiers

J	Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)
U	Analyte analyzed but not detected above the MDL
B	Analyte detected in the associated Method Blank above the RL
1	Due to the outage of equipment required to perform total cyanide analysis by Kelada-01, samples analyzed by SM 4500-CN-E to meet holding times.
H	Analyzed outside of holding time
M	Matrix interference is present and matrix spike recovery is outside of acceptance limits
R	Duplicate RPD is outside of acceptance limits
Q	LCS recovery is above acceptance limits. However there is no impact on the reported value

ATTACHMENT B
Cleveland-Cliffs Burns Harbor LLC
Outfall 002 Expanded Sampling Program
August 11 and 13, 2020 Cyanide Analyses and No. 2 Intake/Outfall 002 Cyanide Analyses

Following is a review of cyanide analytical results for composite samples collected on August 11 and 13, 2020 at the five sampling stations that comprise the fixed-station sampling network for the Outfall 002 Expanded Sampling Program (Outfall 002 ESP).

Background

Of note are the initial laboratory reports of detectable cyanide at Outfall 002 on August 11 and 13, 2020. The table below sets out the initial analyses and subsequent re-analyses that were conducted within prescribed analytical holding times.

Composite Sample Collection Date	Total Cyanide		Available Cyanide (ACN) Free Cyanide (FCN)	
08/11/20	Outfall 002	< MDL, < 0.0040 mg/L	Outfall 002, FCN	> RL, 0.00500 mg/L
			002 Rerun, FCN	< MDL, < 0.00091 mg/L
			002 Rerun, ACN	J-Value, 0.00140 mg/L
	No. 2 Intake	< MDL, < 0.0040 mg/L	No. 2 Intake, FCN	< MDL, < 0.00091 mg/L
			No. 2 Rerun, FCN	< MDL, < 0.00091 mg/L
			No. 2 Rerun, ACN	< MDL, < 0.00091 mg/L
	MH 2316	< MDL, < 0.0012 mg/L	MH 2316, ACN	< MDL, < 0.00091 mg/L
			MH 2316 Rerun, ACN	< MDL, < 0.00091 mg/L
	MH 2816	< MDL, < 0.0012 mg/L	MH 2816, A CN	< MDL, < 0.00091 mg/L
			MH 2816 Rerun, ACN	< MDL, < 0.00091 mg/L
	MH 1015	J Value, 0.0042 mg/L	MH 1015, ACN	> RL, 0.00410 mg/L
			MH 1015 Rerun, ACN	> RL, 0.00340 mg/L
08/13/20	Outfall 002	J-Value, 0.0042 mg/L	Outfall 002, FCN	> RL, 0.00320 mg/L
	Outfall 002 Rerun	J-Value, 0.0042 mg/L	002 Rerun, FCN	< MDL, < 0.00091 mg/L
			002 Rerun, ACN	< MDL, < 0.00091 mg/L
	No. 2 Intake	< MDL, < 0.0040 mg/L	No. 2 Intake, FCN	< MDL, < 0.00091 mg/L
			No. 2 Intake Rerun, FCN	< MDL, < 0.00091 mg/L
			No. 2 Intake Rerun, ACN	< MDL, < 0.00091 mg/L
	Internal CP/BF MHs MH 2316, 2816, 1015	< MDL, < 0.0012 mg/L	CP/BF MHs, ACN	< MDL, < 0.00091 mg/L

The two right columns in the table above show analytical results for available cyanide and free cyanide, both determined by the ALS laboratory using analytical method OIA 1677. Method OIA 1677 measures available cyanide, comprising free cyanide (hydrogen cyanide and cyanide ion) and readily dissociable cyanides by flow injection and ligand exchange, followed by gas diffusion amperometry. Available cyanide has often been used as a surrogate for free cyanide, as in the Burns Harbor NPDES permit. A procedure within Method 1677 to better approximate free cyanide calls for eliminating the ligand exchange step. The original sample and rerun analytical results presented in the table above labeled FCN followed the free cyanide procedure; those designated ACN were determined as available cyanide

following the standard OIA 1677 method with ligand exchange. Exhibit 1 presents a more detailed review of cyanide analytical methods and analytical reporting terms.

Review of coke plant and blast furnace process operations and blast furnace process water treatment operations did not reveal anything unusual for August 11 or 13, 2020.

August 11, 2020 Cyanide Analyses

Total cyanide was not detected at Outfall 002 or at the No. 2 Intake (< 0.0040 mg/L), whereas free cyanide was detected at Outfall 002 greater than the ALS RL (analytic result 0.0050 mg/L). Rerun analyses of the Outfall 002 sample showed free cyanide not detect (< 0.00091 mg/L) and a J-value for available cyanide (0.00140 mg/L). The initial and rerun analyses for the No. 2 Intake sample showed not detect for free and available cyanide (< 0.00091 mg/L).

Total and available cyanide analyses of the blast furnace area samples (MH 2316, MH 2318), including available cyanide rerun analyses, were all not detect (< 0.0012 mg/L total cyanide, < 0.00091 mg/L available cyanide). However, a J-value of 0.0042 mg/L for total cyanide was reported at the coke plant area MH 1015. Available cyanide concentrations above the RL at 0.0041 mg/L and 0.0034 mg/L (rerun analysis) were also reported for MH 1015. Thus, it appears there may have been some cyanide present at MH 1015. Notwithstanding, the apparent mass of free cyanide at MH 1015 (estimated at < 0.5 lbs), cannot account for the apparent mass of free cyanide at Outfall 002 (~ 10 lbs). The estimated Outfall 002 mass quantity is based on the initial Outfall 002 free cyanide sample result of 0.0050 mg/L, which was subsequently not confirmed by reanalysis. The initial Outfall 002 free cyanide analytical result is not realistic.

August 13, 2020 Cyanide Analyses

The circumstances for the August 13, 2020 cyanide analyses are more straightforward. Total cyanide J-flag values of 0.0042 mg/L were reported for the Outfall 002 initial analysis and rerun analysis. An above-the-RL free cyanide concentration of 0.0032 mg/L was reported for the initial Outfall 002 analysis. This was not confirmed by Outfall 002 rerun analyses of free and available cyanide, both showing not detect (< 0.00091 mg/L). All other No. 2 Intake and internal manhole samples for August 13, 2020 showed not detect results.

The August 11 and 13, 2020 cyanide results continue to demonstrate issues throughout conduct of the Outfall 002 ESP whereby analyses of Outfall 002 24-hour composite samples, which are essentially all Lake Michigan water, are confounded by what are apparent false positive results and J-Values near the analytical method detection limits (MDLs) and laboratory reporting limits (RLs). The EPA-approved 40 CFR Part 136 analytical methods for total cyanide and available/free cyanide are simply not robust at low ug/L concentrations and have poor precision and accuracy. The table below shows what are apparent rates of false positive results for the Burns Harbor No. 2 Intake and Outfall 002:

No. 2 Intake and Outfall 002 Cyanide Monitoring Statistics

Statistics	Total Cyanide		Available/Free Cyanide	
	No. 2 Intake	Outfall 002	No. 2 Intake	Outfall 002
Date Range	10/28/19-09/30/20	10/25/19-09/30/20	10/28/19-09/30/20	10/25/19-09/30/20
No. of Samples	339	341	338	339
> RL	2	5	0	2
J-Values	24	24	16	8
< MDL	313	312	332	329

Notes: Available cyanide analyses at No. 2 Intake from 10/28/2019 to 07/27/2020
Free cyanide analyses at No. 2 Intake from 07/28/2020 to 09/30/2020
Available cyanide analyses at Outfall 002 from 10/25/19 to 07/26/2020
Free cyanide analyses at Outfall 002 from 07/27/2020 to 09/30/2020

- For the No. 2 Intake, the 26 total cyanide analyses and the 16 available/free cyanide analyses > MDL are suspect and not realistic. All Lake Michigan intake total and available/free cyanide analyses should be < MDL. Lake Michigan does not have background concentrations of cyanide, and there are no anthropogenic sources that could affect Lake water withdrawn at the Burns Harbor intake structures and cause the > MDL cyanide concentrations reported for the No. 2 Intake.

- This does not rule out the possibility of contributions of cyanide to Outfall 002 from Burns Harbor operations, but does suggest an overall cyanide false positive rate at the No. 2 Intake of 6.2% of samples analyzed (~ 7.7% for total cyanide; ~ 4.7% for available/free cyanide).

- Because the Outfall 002 effluent is essentially all Lake Michigan intake water used for non-contact cooling on a once-through basis, it follows that the rates of apparent false positive analytical results for total cyanide and available/free cyanide at the No. 2 Intake would apply to Outfall 002.

ATTACHMENT B, EXHIBIT 1
Cleveland-Cliffs Burns Harbor LLC
Outfall 002 Expanded Sampling Program
Reported Cyanide Discharges from Outfall 002 - August 11 and 13, 2020

Relevant Terms and Notes

Free Cyanide – The sum of hydrogen cyanide (HCN) and cyanide ion (CN^-) in a sample. The Indiana aquatic life water quality standards for cyanide are expressed as "free" cyanide, as follows:

Acute aquatic life water quality standard:	22	ug/L	(maximum)
Chronic aquatic life water quality standard:	5.2	ug/L	(4-day average)

The Indiana water quality standards for free cyanide (and all Indiana ambient water quality standards) apply in the open waters Burns Harbor and Lake Michigan and not in the Outfall 002 effluent. Indiana water quality standard regulations allow for mixing zones in the receiving waters for effluent discharges. Mixing zones account for near-field dilution of the effluent discharges and result in outfall water quality-based effluent limits (WQBELs) that are multiples of the numerical ambient water quality standards.

Available Cyanide – Forms of cyanide (*free cyanide* and readily dissociable cyanides) measured by flow injection and ligand exchange, followed by gas diffusion amperometry. Available cyanide is often used as a surrogate for *free cyanide*.

The available cyanide analytical procedure (OIA 1677) is not a robust analytical procedure and, like most analytical procedures, does not have high precision and accuracy at low concentrations near the analytical method detection limit (MDL) and the laboratory reporting limit (RL), see below.

A modification of the OIA 1677 analytical method can be applied to better characterize free cyanide as defined above whereby the ligand exchange procedure is not included.

Total Cyanide – Includes strong metal cyanide complexes with cobalt, gold and iron; weak and moderately strong metal-cyanide complexes of cadmium, copper, mercury, nickel, silver and zinc; simple cyanides including calcium, potassium and sodium cyanide; and, *free cyanide* (hydrogen cyanide, cyanide ion).

Method Detection Limit (MDL) – the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results.

Reporting Limit (RL) – the lowest concentration at which an analyte can be detected in a sample and its concentration can be reported with a reasonable degree of accuracy and precision. The RL is laboratory and pollutant-specific.

RLs are typically 2 to 5 times the respective MDLs, depending upon the pollutant and method.

J-Value – Estimated concentration between the MDL and the RL, below the level of calibration of the analytical procedure.

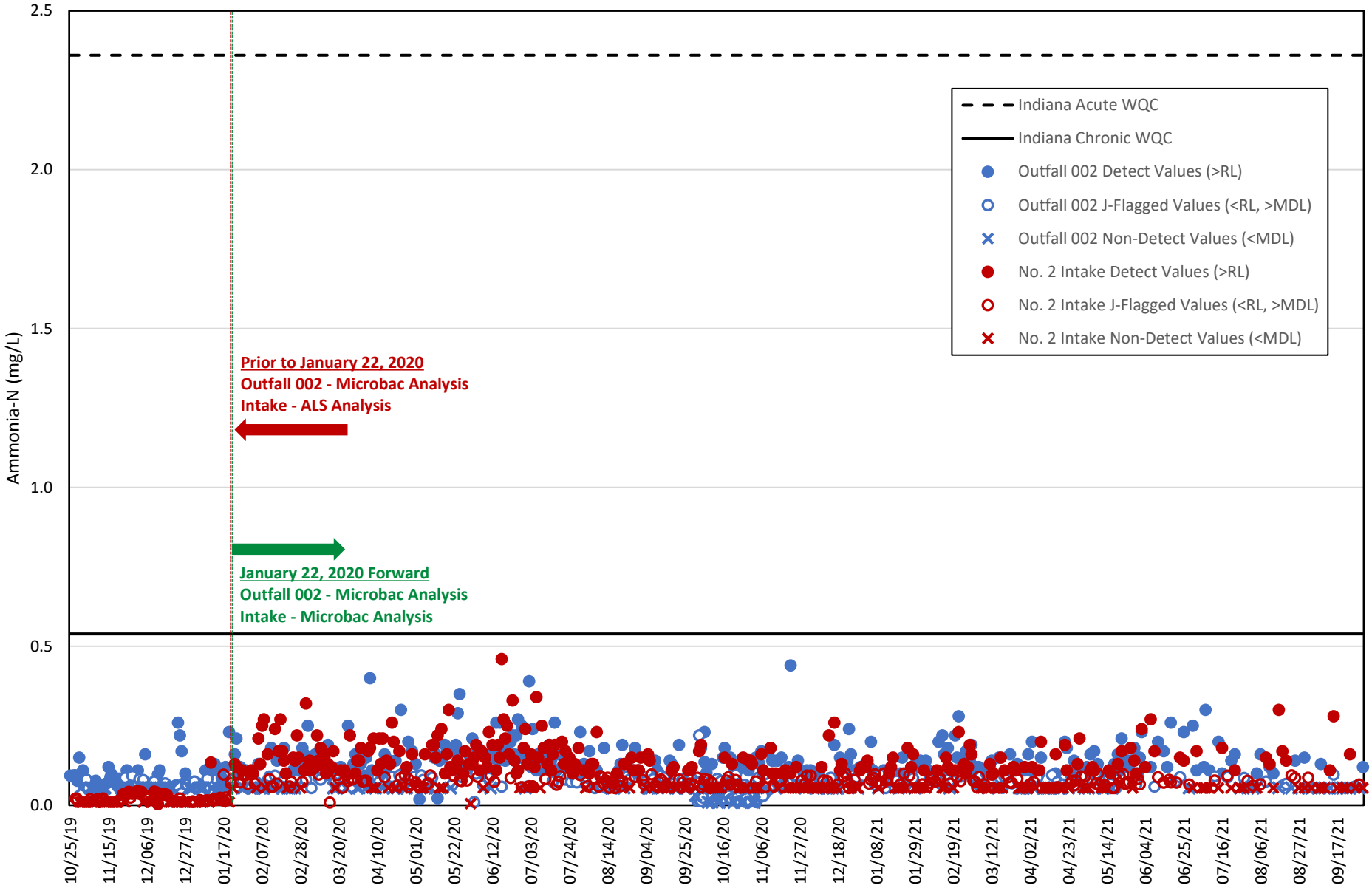
> *Generally accepted practice is that J-values are not used for NPDES permit compliance determinations and not used to reliably quantify mass discharges of pollutants. Notwithstanding, IDEM has required that J-values be treated as measured concentrations for purposes of the Outfall 002 Expanded Sampling Program.*

ATTACHMENT C

Cleveland-Cliffs Burns Harbor

Ammonia-N - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC

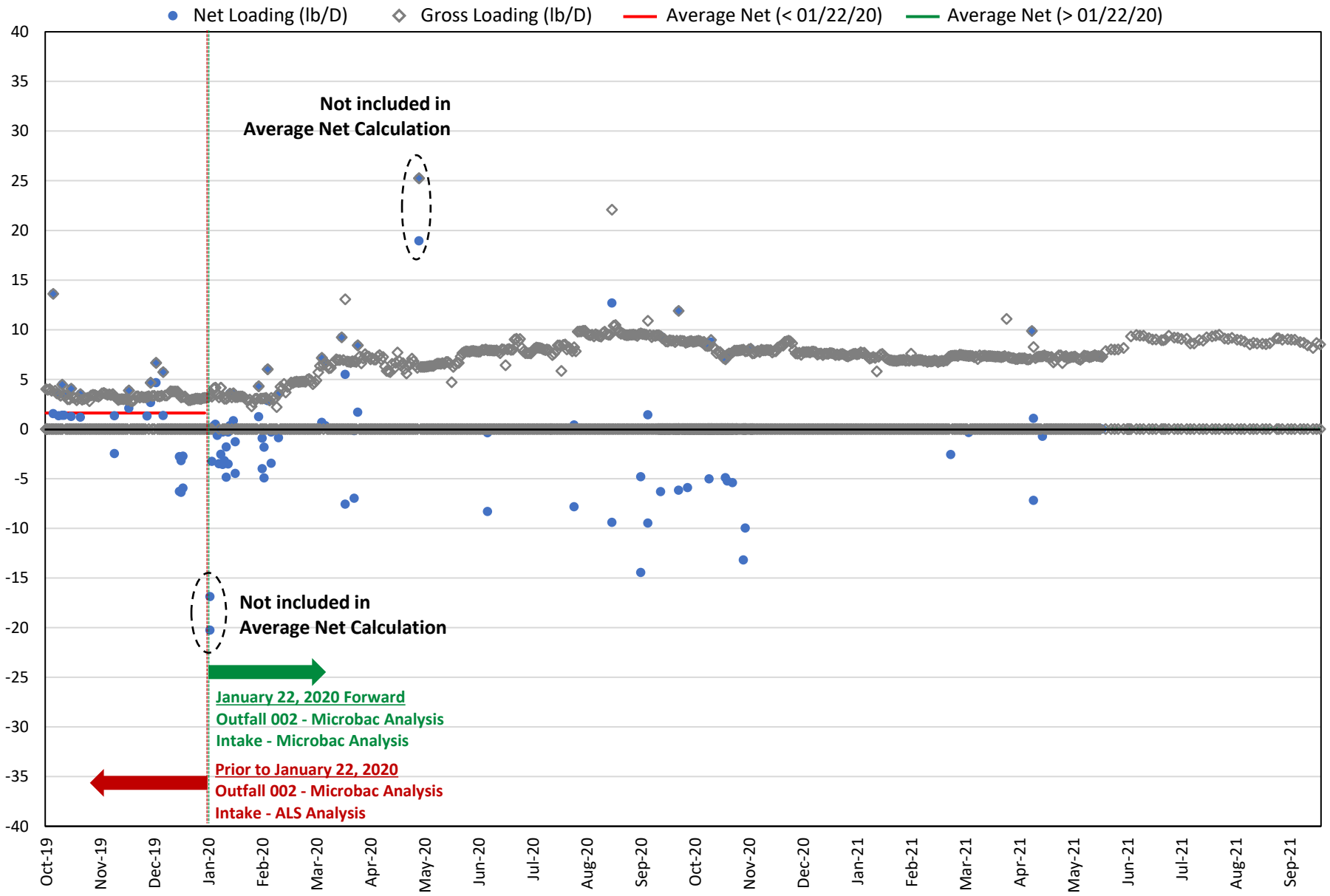
(10/25/19 to 10/01/21 Data)



ATTACHMENT D

Total Cyanide Outfall 002 Net and Gross Loading (lb/day)

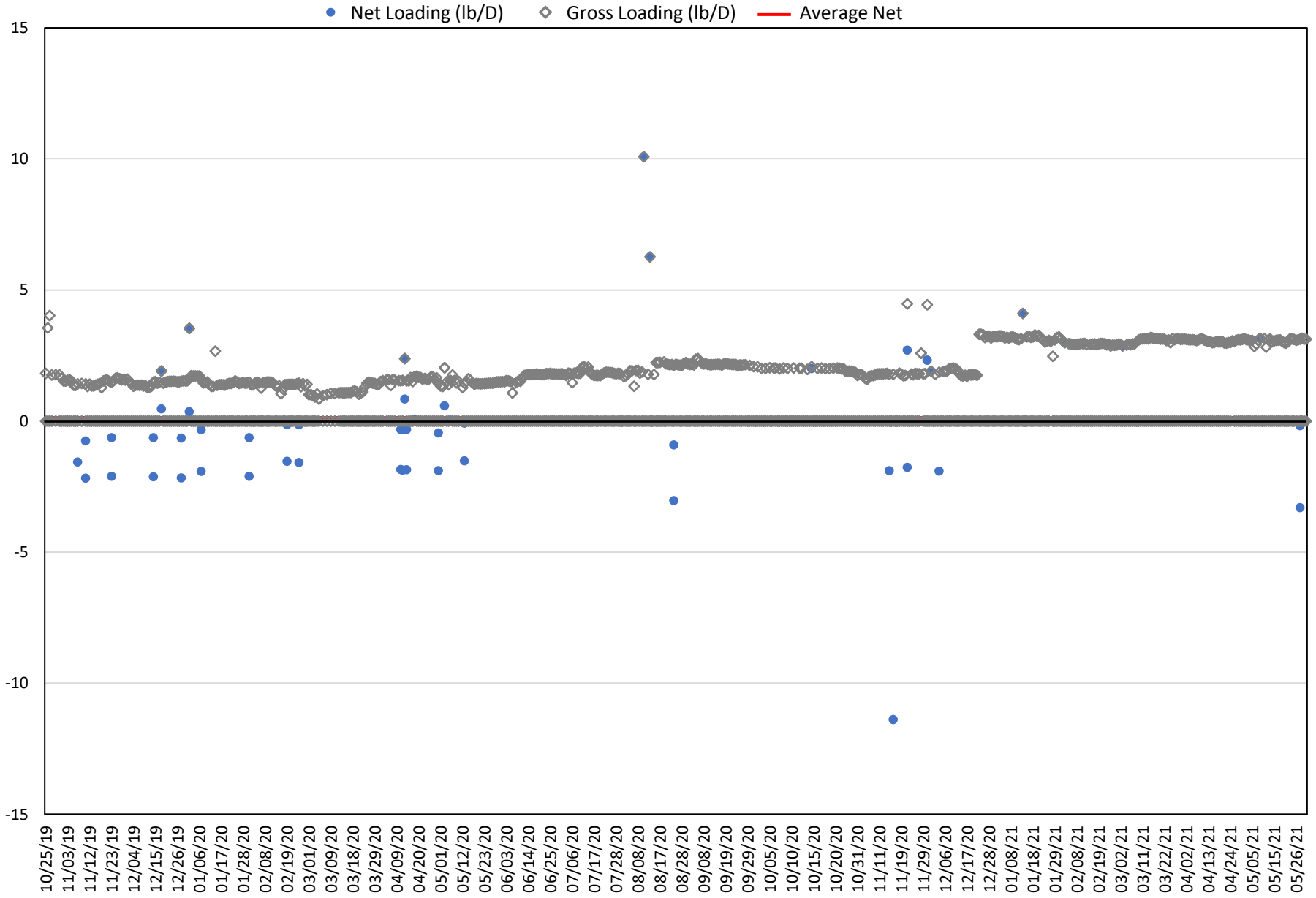
October 25, 2019 to October 1, 2021



ATTACHMENT D

Available/Free Cyanide Outfall 002 Net and Gross Loading (lb/day)

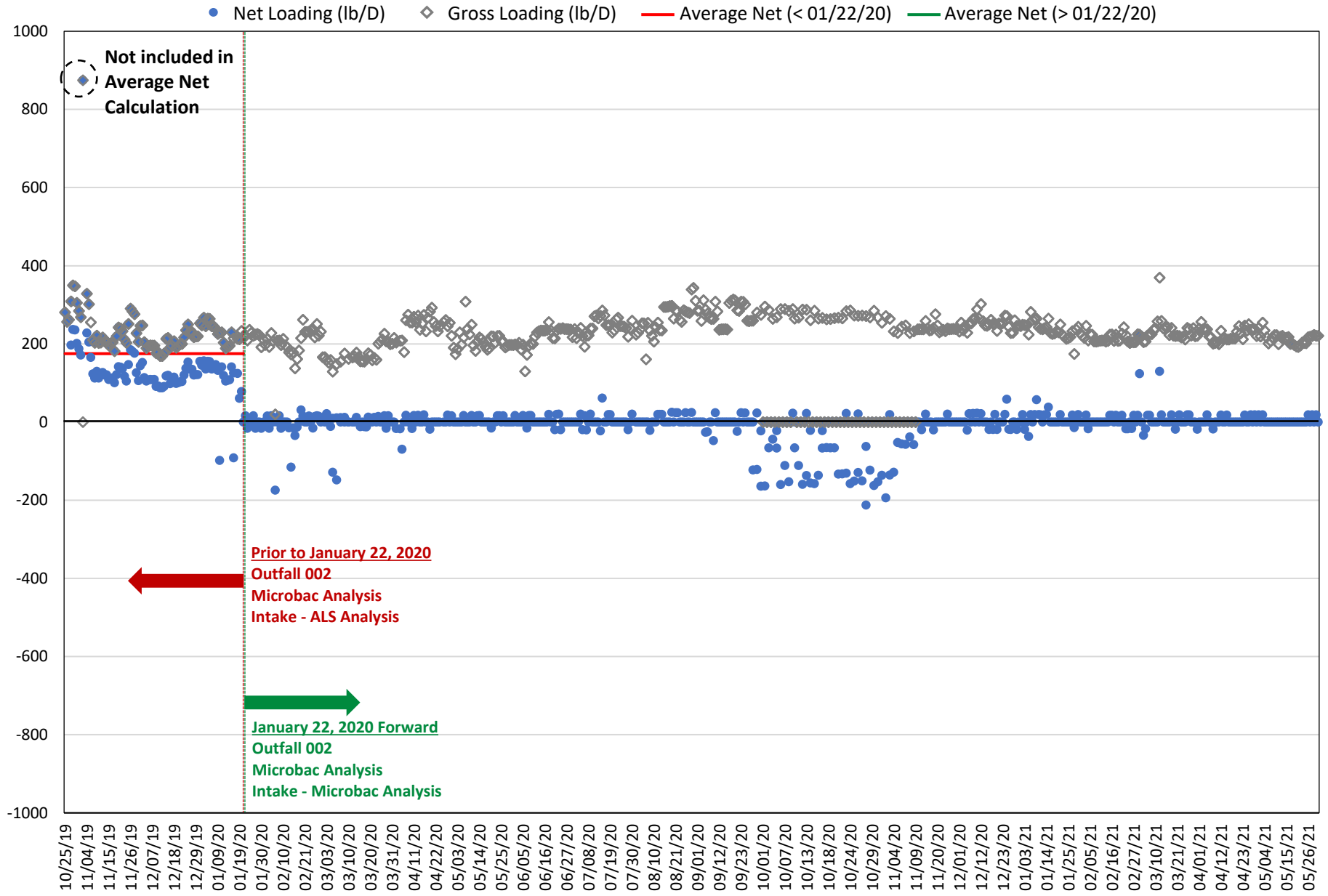
October 25, 2019 to May 31, 2021



ATTACHMENT D

Fluoride Outfall 002 Net and Gross Loading (lb/day)

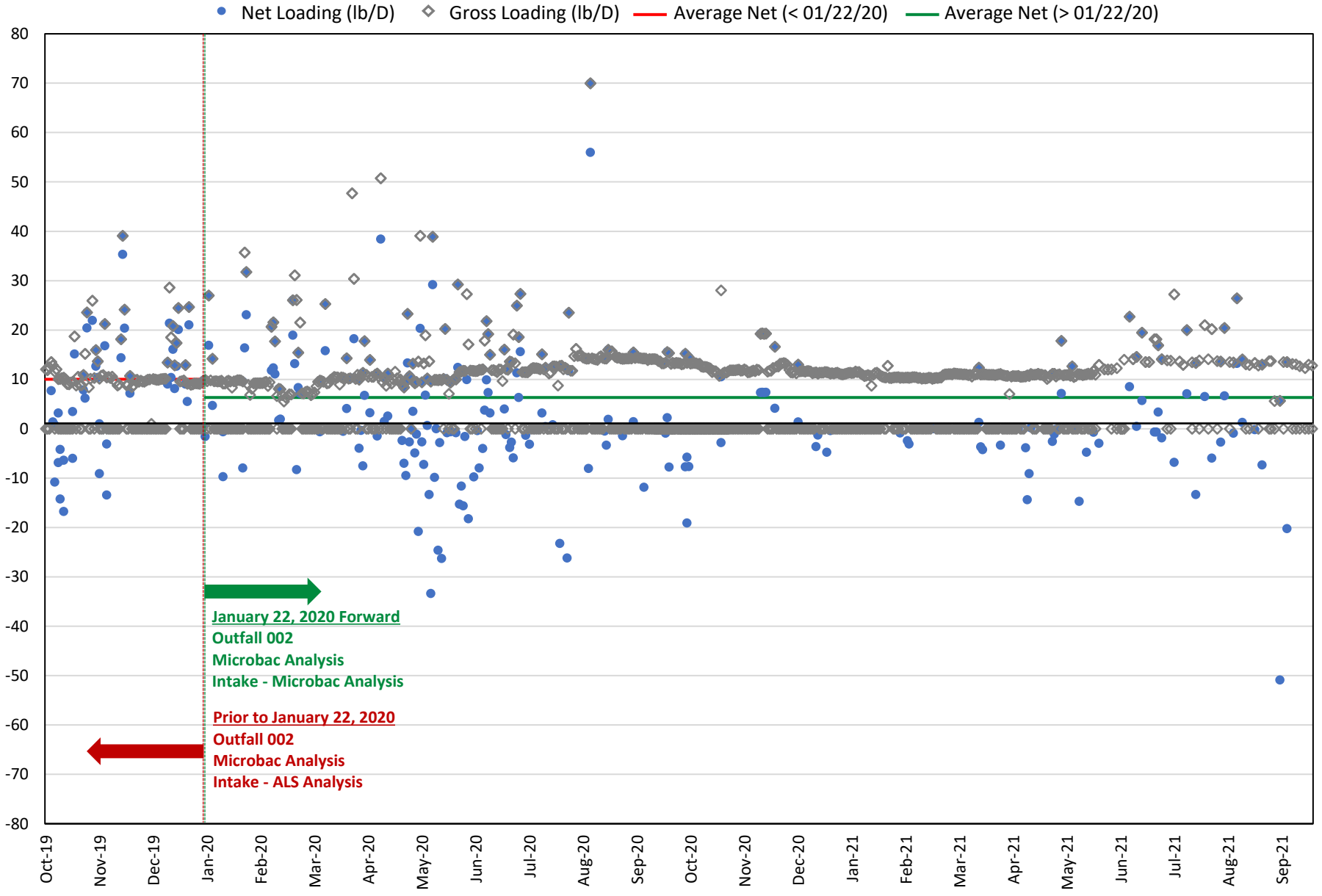
October 25, 2019 to May 31, 2021



ATTACHMENT D

Total Phenolics Outfall 002 Net and Gross Loading (lb/day)

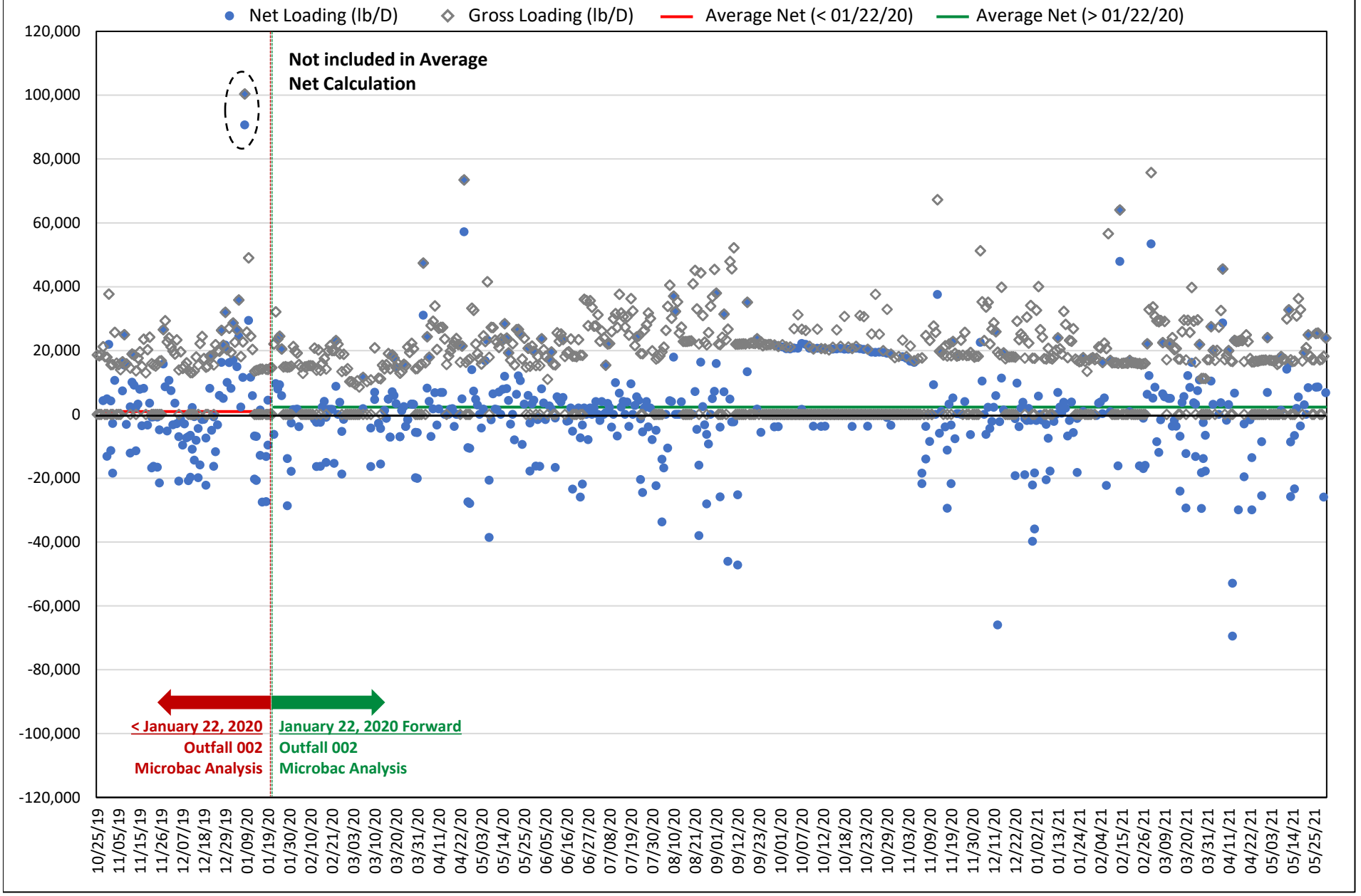
October 25, 2019 to October 1, 2021



ATTACHMENT D

COD Outfall 002 Net and Gross Loading (lb/day)

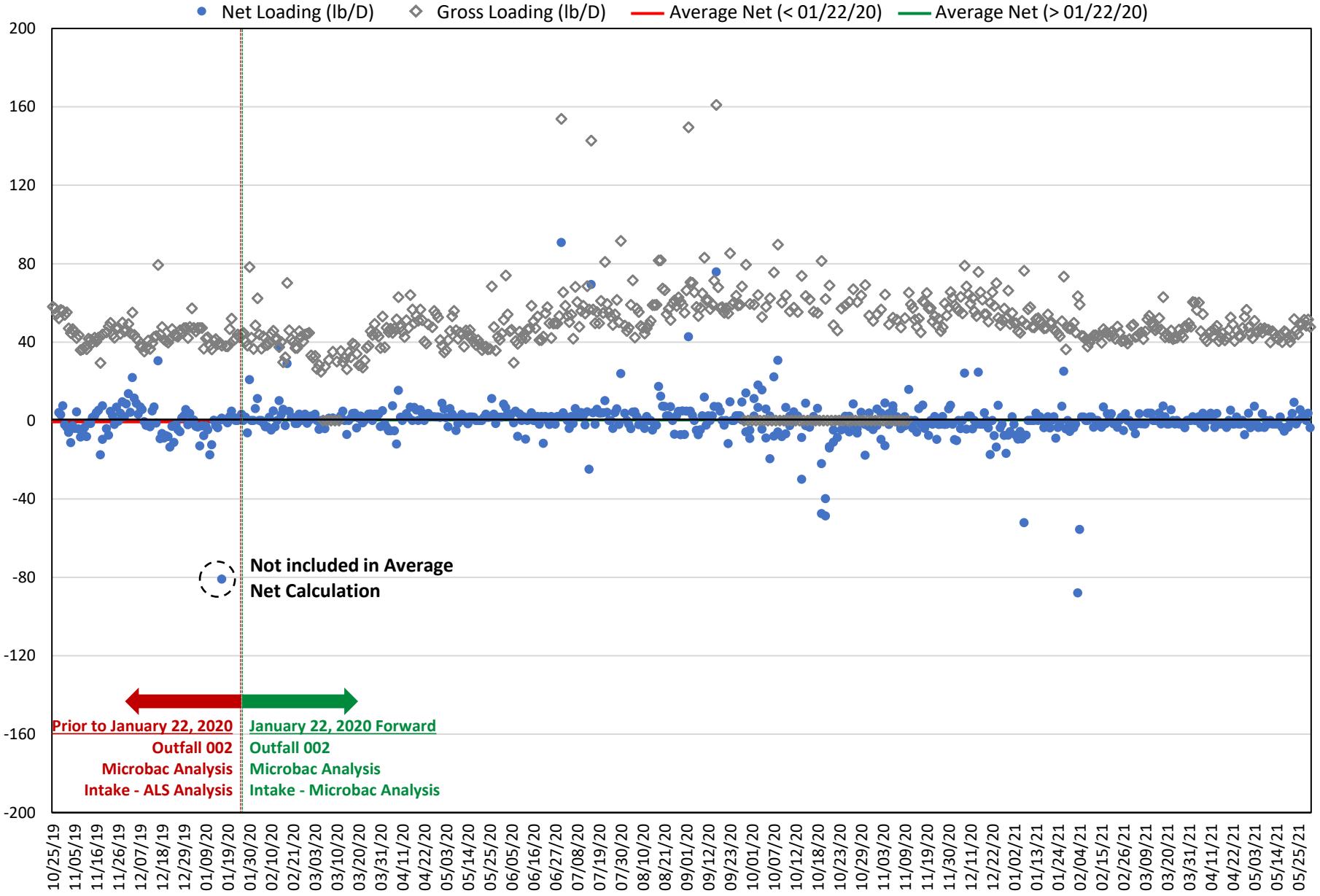
October 25, 2019 to May 31, 2021



ATTACHMENT D

TR Boron Outfall 002 Net and Gross Loading (lb/day)

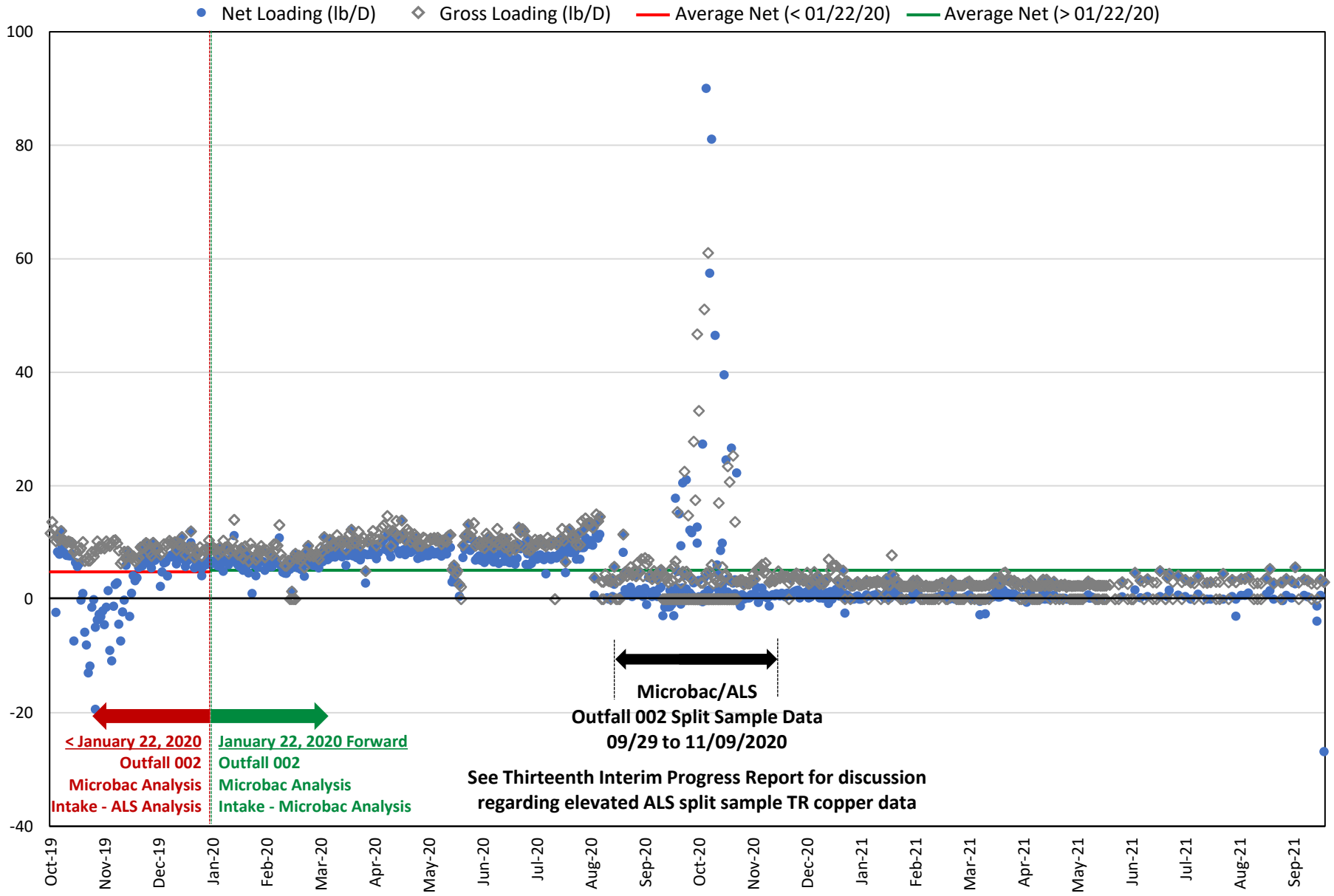
October 25, 2019 to May 31, 2021



ATTACHMENT D

TR Copper Outfall 002 Net and Gross Loading (lb/day)

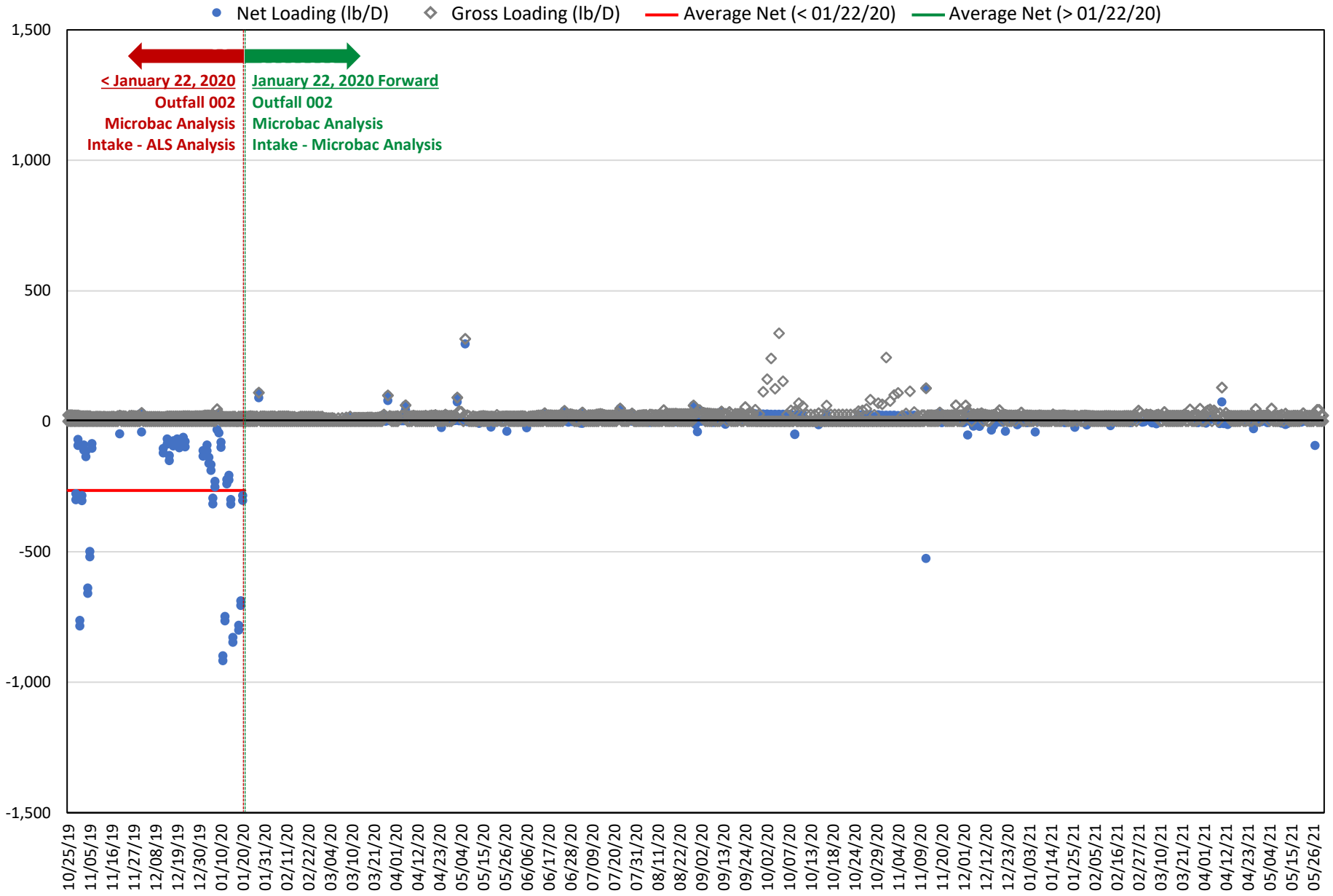
October 25, 2019 to October 1, 2021



ATTACHMENT D

Dissolved Iron Outfall 002 Net and Gross Loading (lb/day)

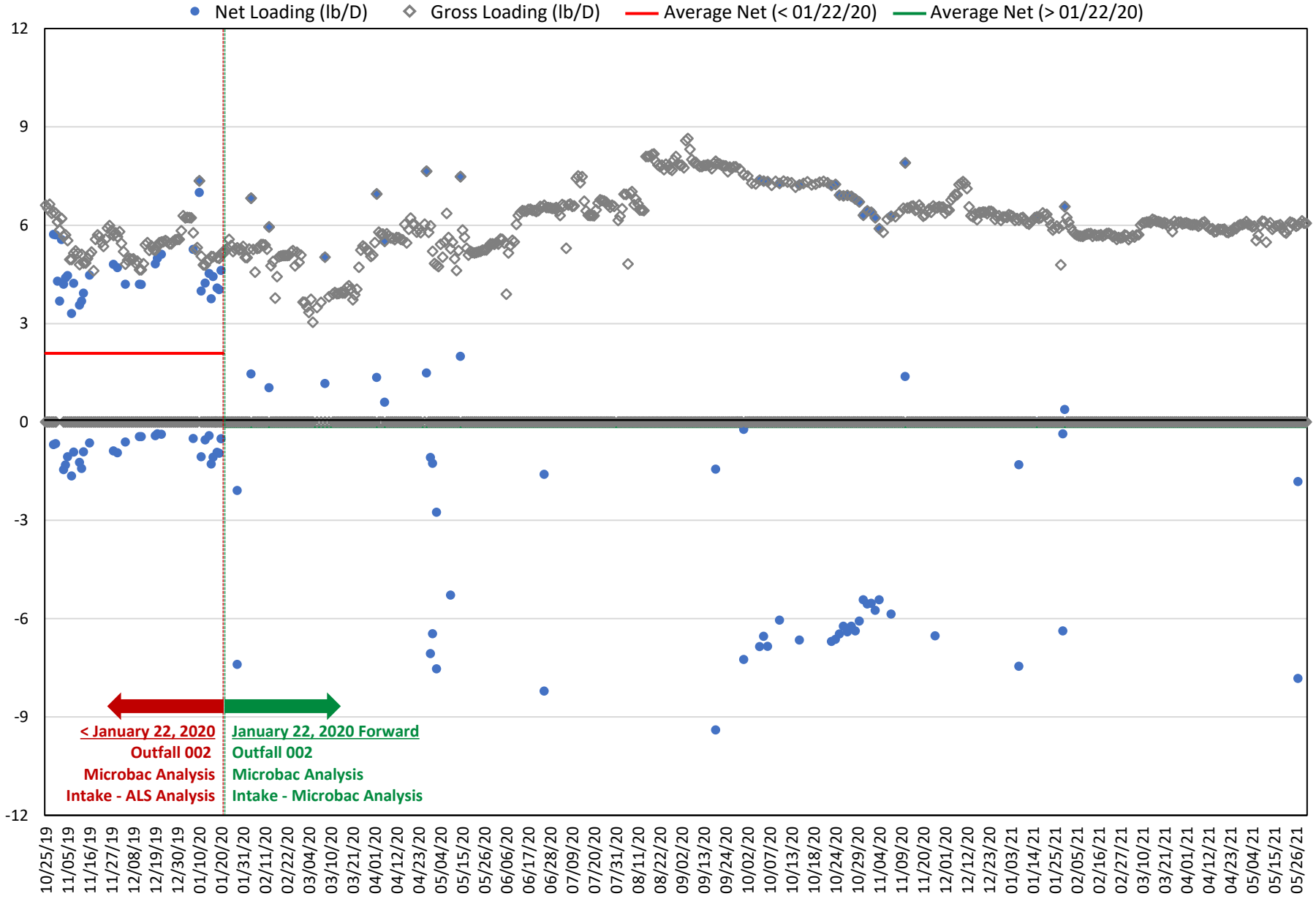
October 25, 2019 to May 31, 2021



ATTACHMENT D

TR Lead Outfall 002 Net and Gross Loading (lb/day)

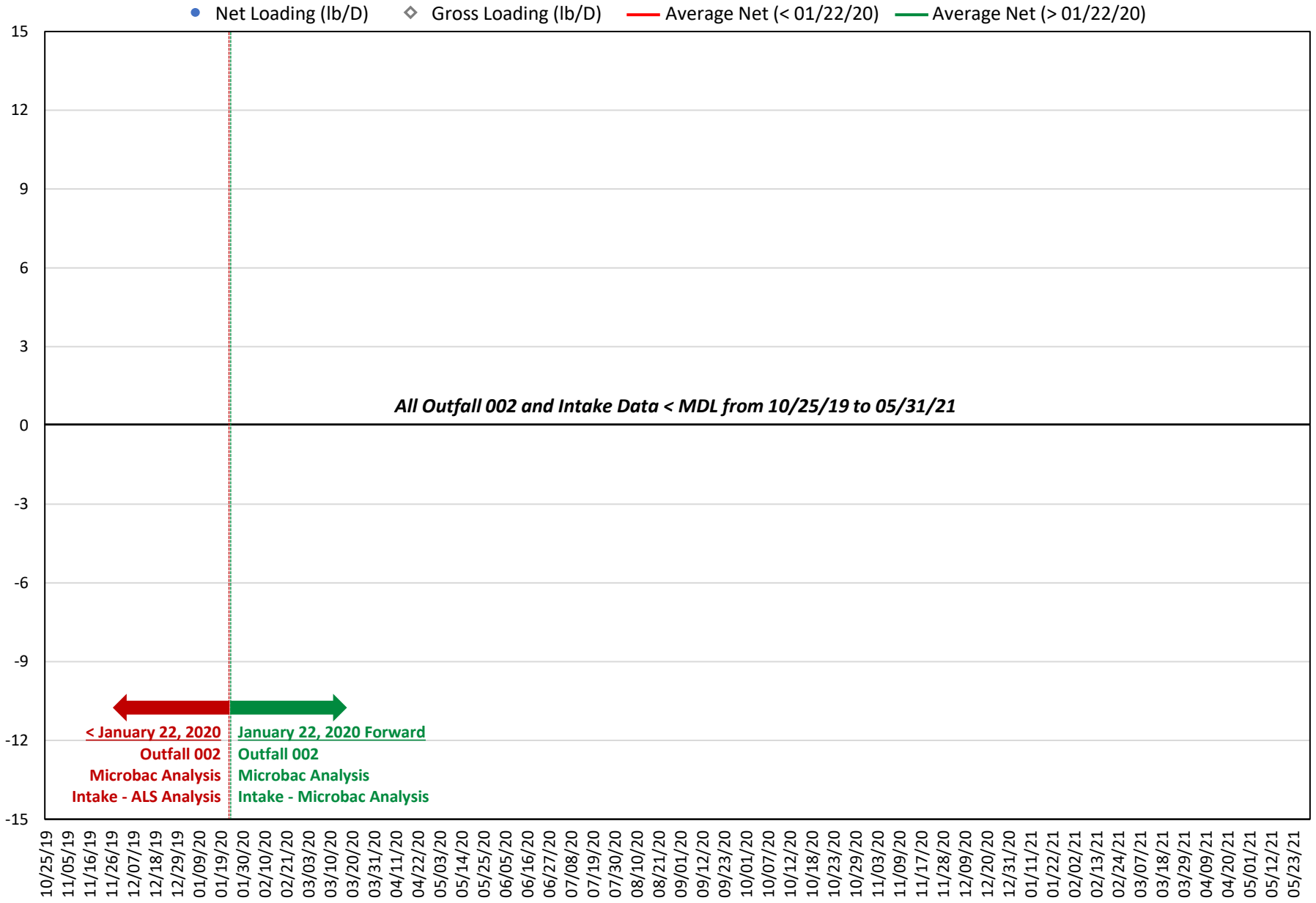
October 25, 2019 to May 31, 2021



ATTACHMENT D

TR Silver Outfall 002 Net and Gross Loading (lb/day)

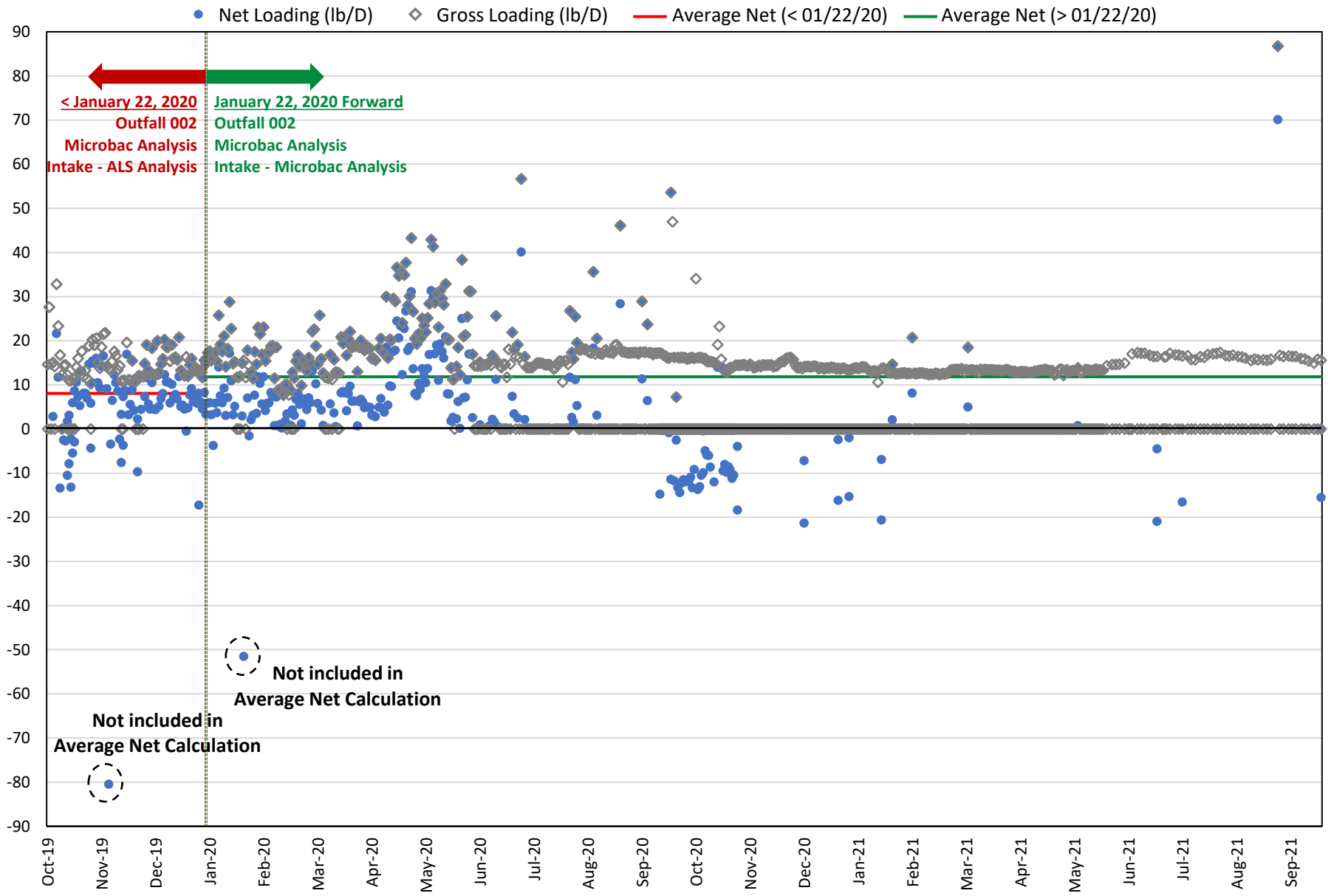
October 25, 2019 to May 31, 2021



ATTACHMENT D

TR Zinc Outfall 002 Net and Gross Loading (lb/day)

October 25, 2019 to October 1, 2021

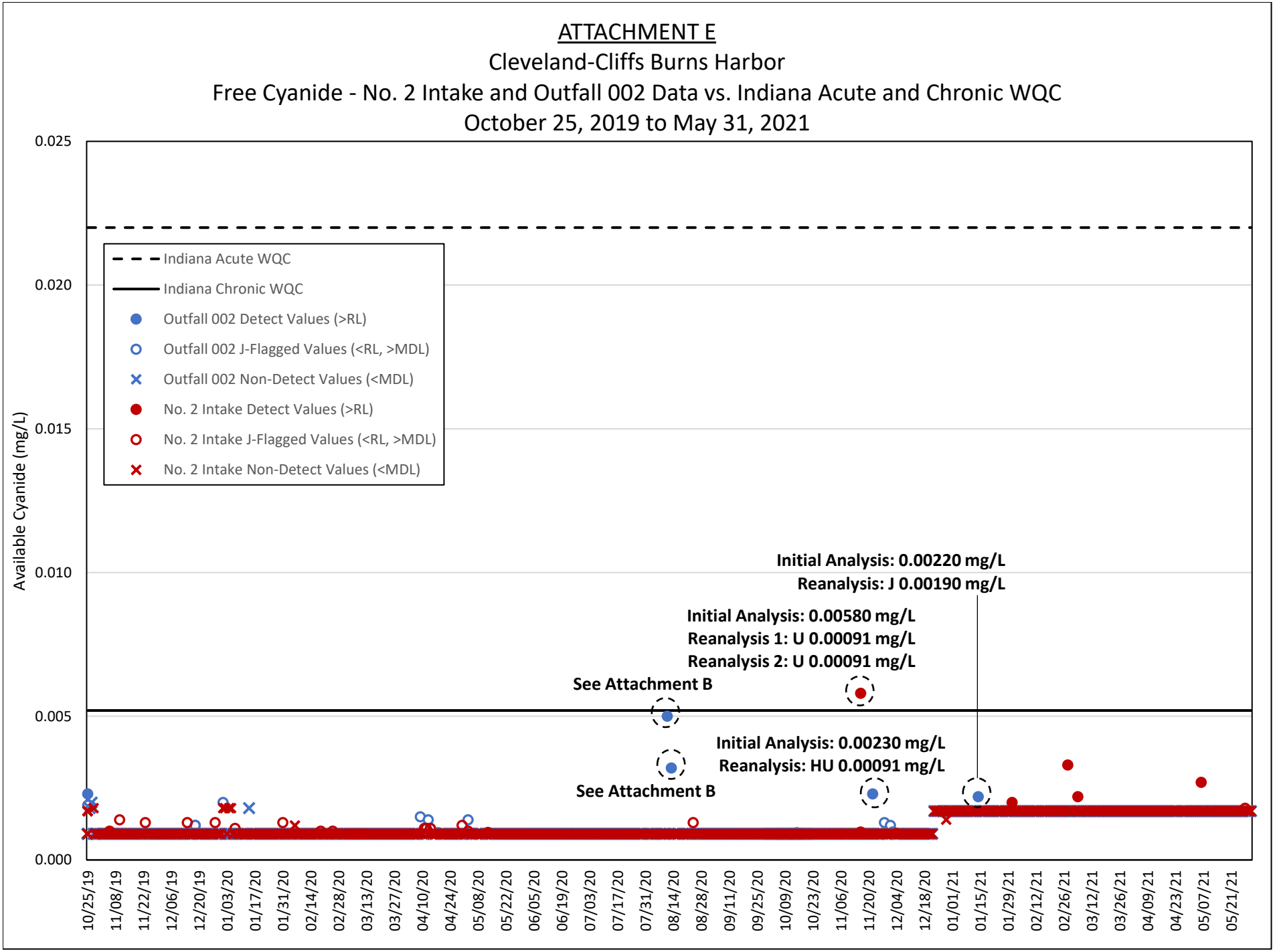


ATTACHMENT E

Cleveland-Cliffs Burns Harbor

Total Cyanide - No. 2 Intake and Outfall 002 Data vs. Indiana Human Health (Drinking) WQC

October 25, 2019 to October 1, 2021

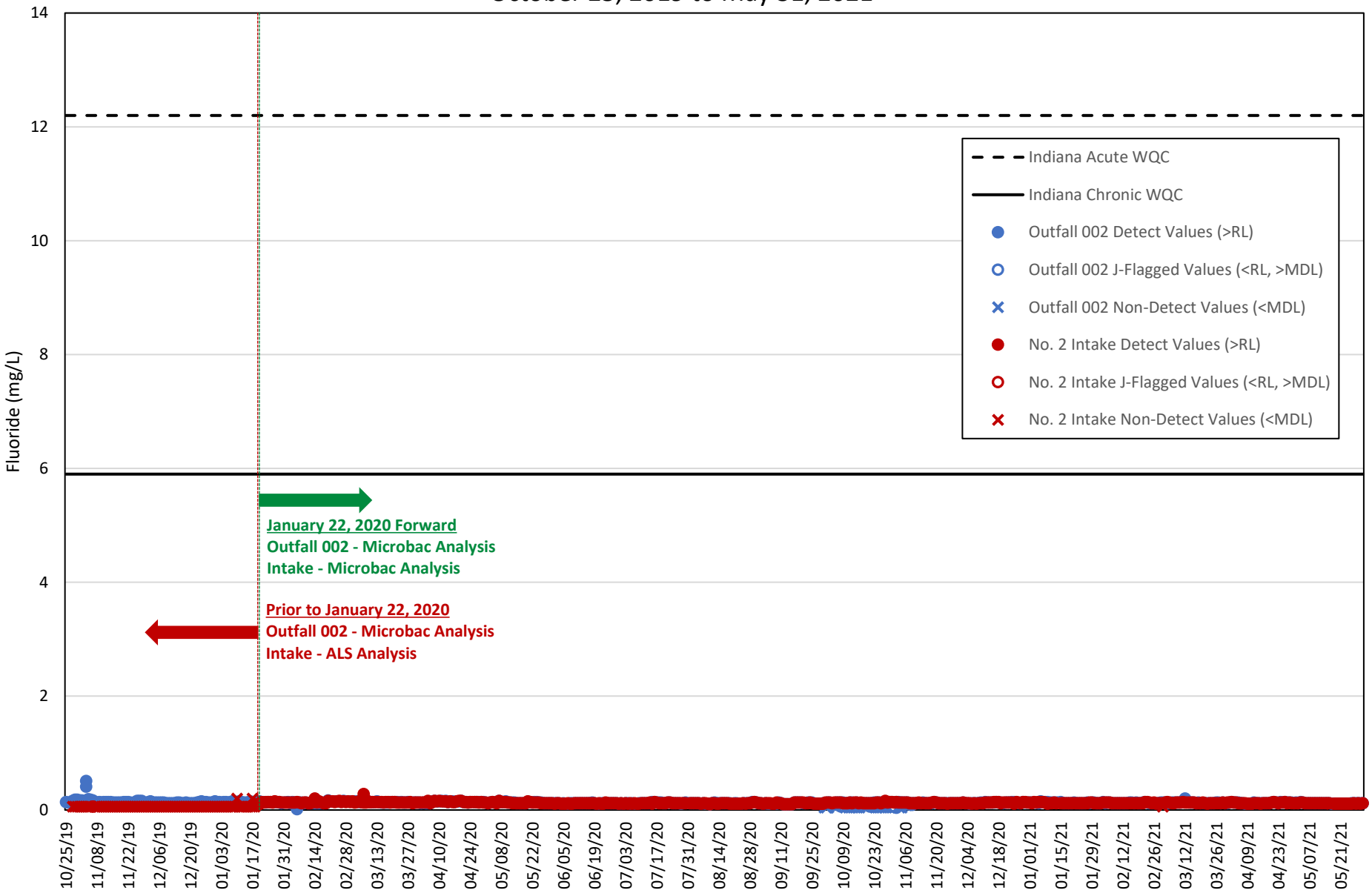

ATTACHMENT E
Cleveland-Cliffs Burns Harbor
Free Cyanide - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC
October 25, 2019 to May 31, 2021
Available Cyanide (mg/L)
0.025
0.020
0.015
0.010
0.005
0.000
Indiana Acute WQC
Indiana Chronic WQC
Outfall 002 Detect Values (>RL)
Outfall 002 J-Flagged Values (<RL, >MDL)
Outfall 002 Non-Detect Values (<MDL)
No. 2 Intake Detect Values (>RL)
No. 2 Intake J-Flagged Values (<RL, >MDL)
No. 2 Intake Non-Detect Values (<MDL)
Initial Analysis: 0.00220 mg/L
Reanalysis: J 0.00190 mg/L
Initial Analysis: 0.00580 mg/L
Reanalysis 1: U 0.00091 mg/L
Reanalysis 2: U 0.00091 mg/L
See Attachment B
Initial Analysis: 0.00230 mg/L
Reanalysis: HU 0.00091 mg/L
See Attachment B
10/25/19
11/08/19
11/22/19
12/06/19
12/20/19
01/03/20
01/17/20
01/31/20
02/14/20
02/28/20
03/13/20
03/27/20
04/10/20
04/24/20
05/08/20
05/22/20
06/05/20
06/19/20
07/03/20
07/17/20
07/31/20
08/14/20
08/28/20
09/11/20
09/25/20
10/09/20
10/23/20
11/06/20
11/20/20
12/04/20
12/18/20
01/01/21
01/15/21
01/29/21
02/12/21
02/26/21
03/12/21
03/26/21
04/09/21
04/23/21
05/07/21
05/21/21

ATTACHMENT E

Cleveland-Cliffs Burns Harbor

Fluoride - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC

October 25, 2019 to May 31, 2021

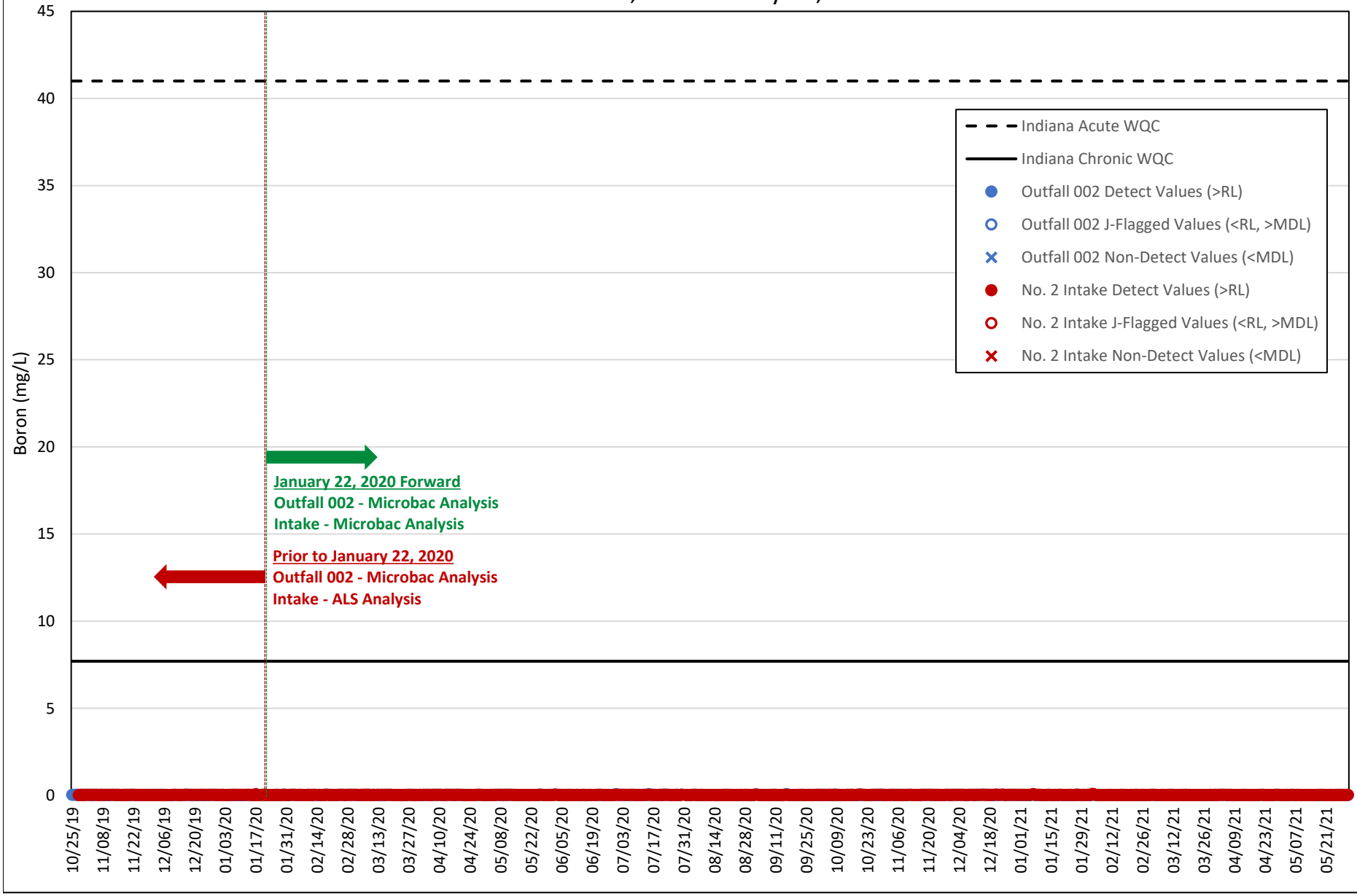


ATTACHMENT E

Cleveland-Cliffs Burns Harbor

TR Boron - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC

October 25, 2019 to May 31, 2021

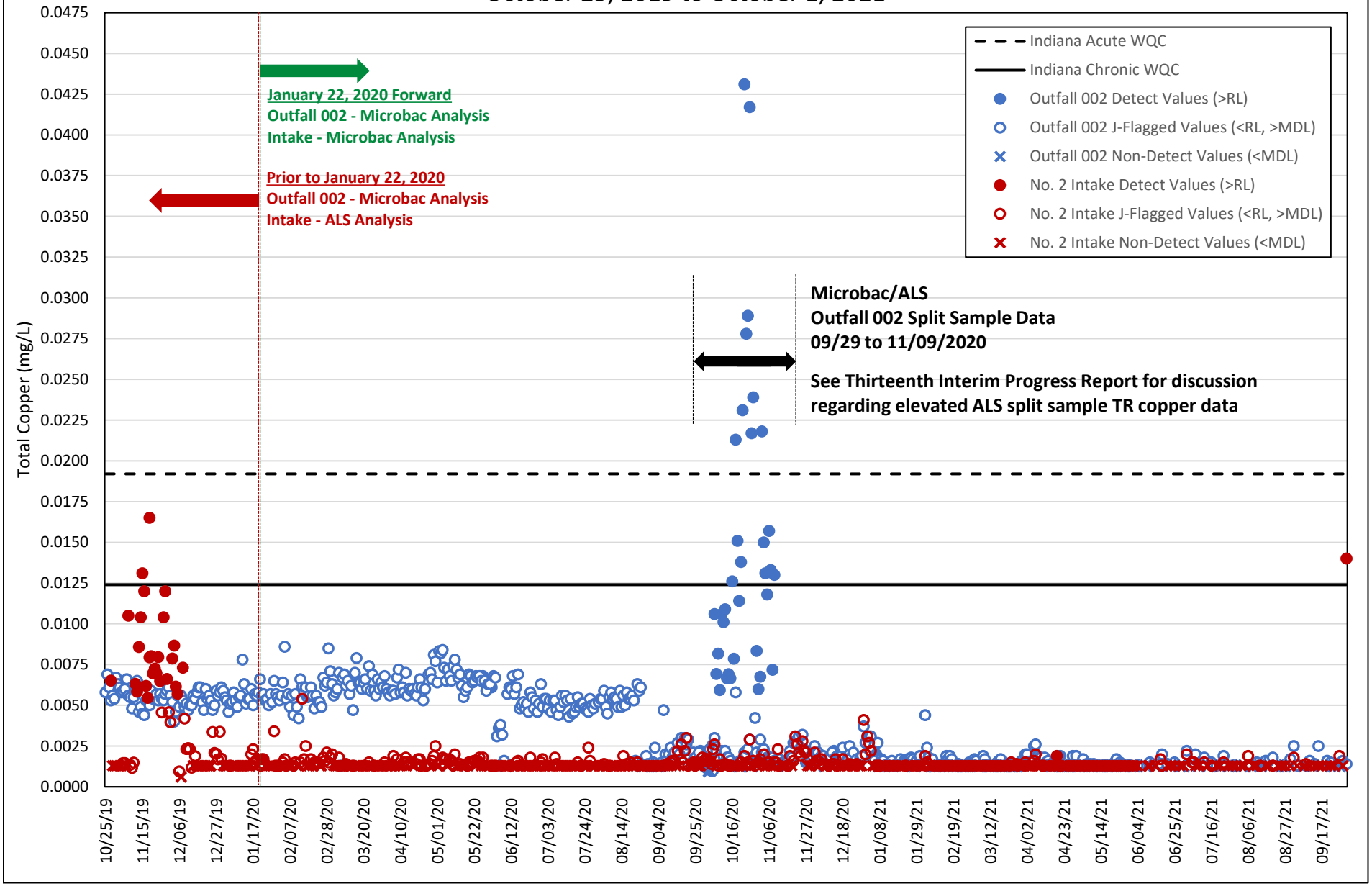


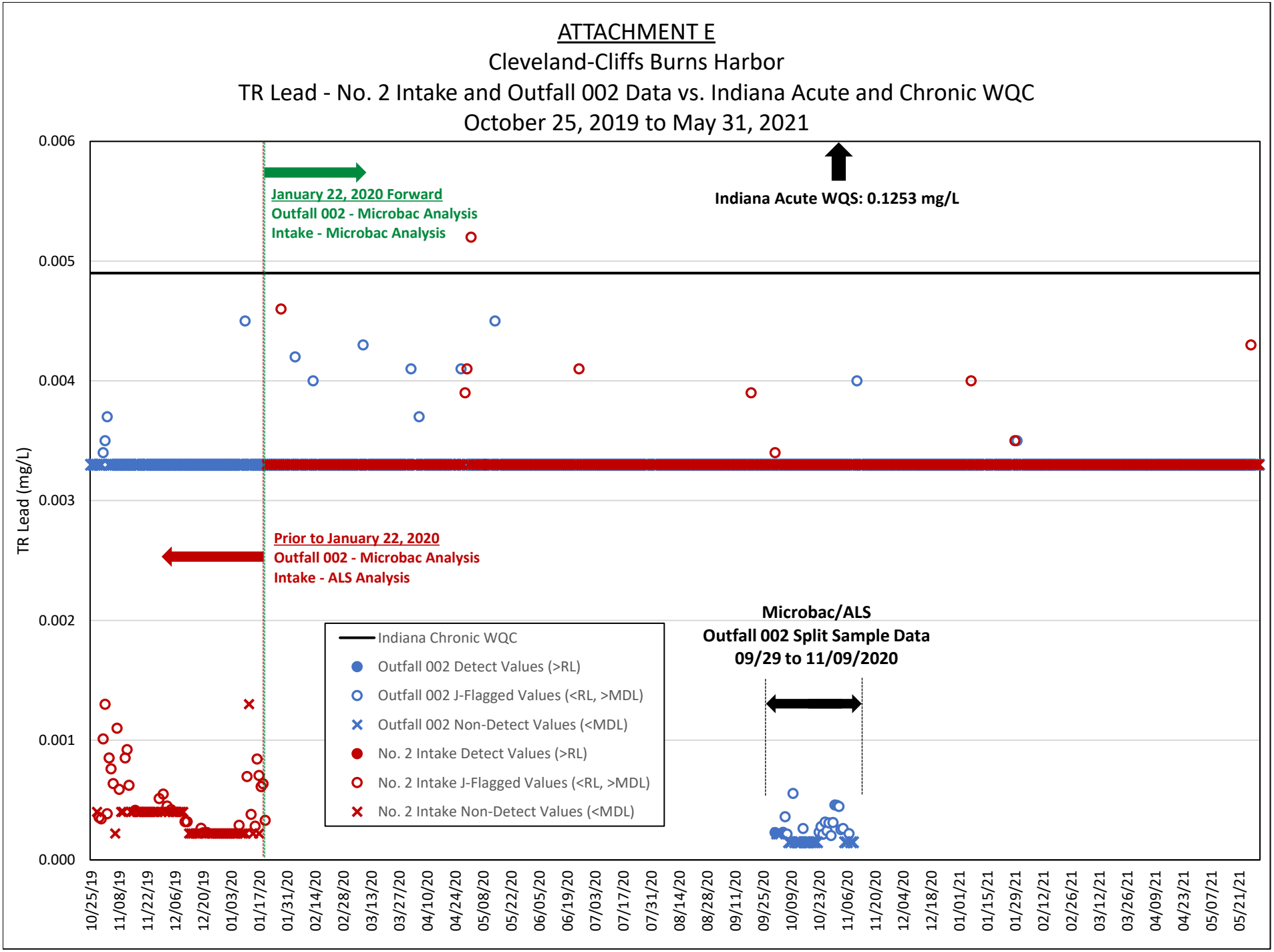
ATTACHMENT E

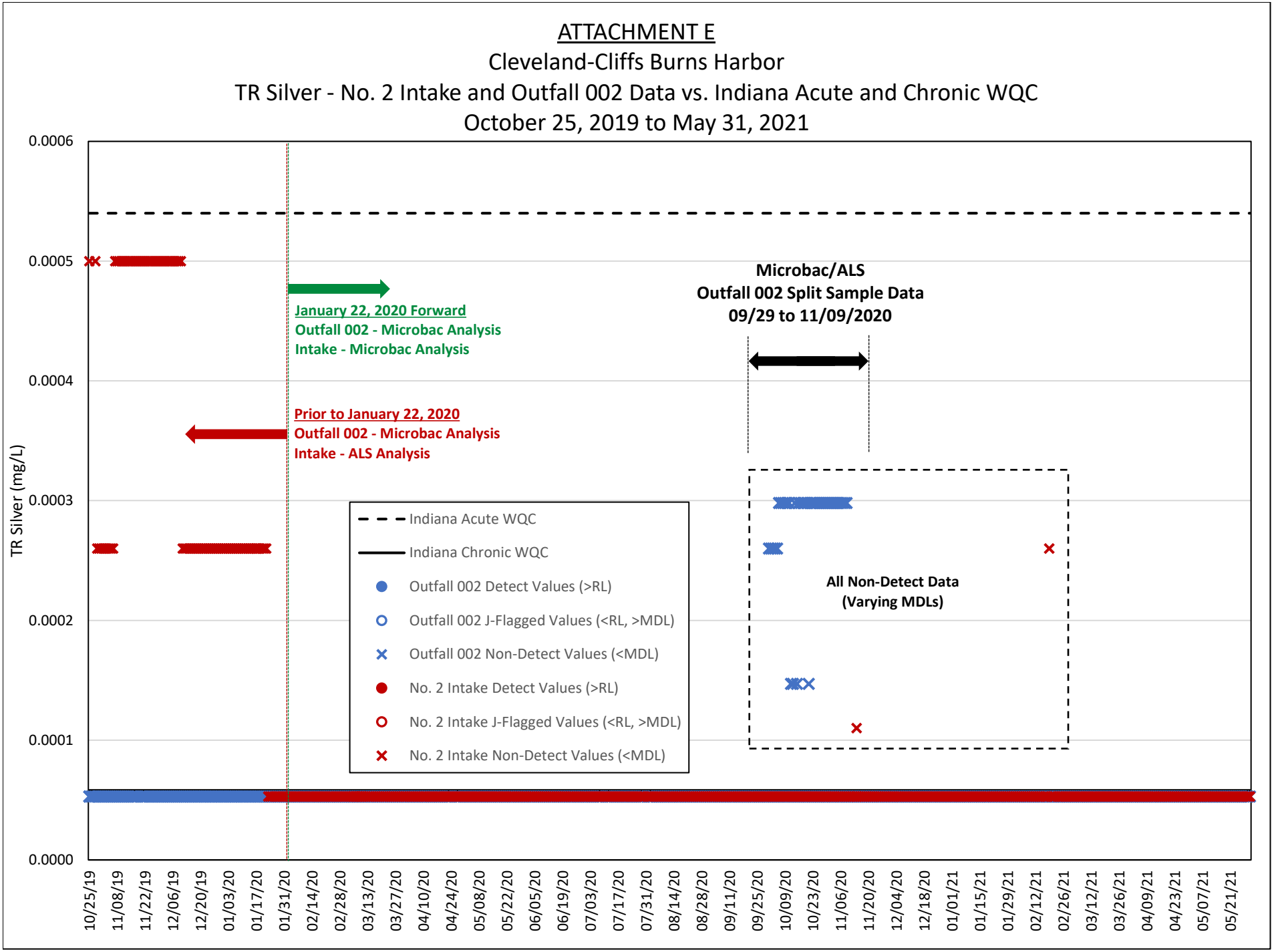
Cleveland-Cliffs Burns Harbor

Total Copper - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC

October 25, 2019 to October 1, 2021




ATTACHMENT E
Cleveland-Cliffs Burns Harbor
TR Lead - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC
October 25, 2019 to May 31, 2021
TR Lead (mg/L)
0.006
0.005
0.004
0.003
0.002
0.001
0.000
January 22, 2020 Forward
Outfall 002 - Microbac Analysis
Intake - Microbac Analysis
Indiana Acute WQS: 0.1253 mg/L
Prior to January 22, 2020
Outfall 002 - Microbac Analysis
Intake - ALS Analysis
Microbac/ALS
Outfall 002 Split Sample Data
09/29 to 11/09/2020
Indiana Chronic WQC
Outfall 002 Detect Values (>RL)
Outfall 002 J-Flagged Values (<RL, >MDL)
Outfall 002 Non-Detect Values (<MDL)
No. 2 Intake Detect Values (>RL)
No. 2 Intake J-Flagged Values (<RL, >MDL)
No. 2 Intake Non-Detect Values (<MDL)
10/25/19
11/08/19
11/22/19
12/06/19
12/20/19
01/03/20
01/17/20
01/31/20
02/14/20
02/28/20
03/13/20
03/27/20
04/10/20
04/24/20
05/08/20
05/22/20
06/05/20
06/19/20
07/03/20
07/17/20
07/31/20
08/14/20
08/28/20
09/11/20
09/25/20
10/09/20
10/23/20
11/06/20
11/20/20
12/04/20
12/18/20
01/01/21
01/15/21
01/29/21
02/12/21
02/26/21
03/12/21
03/26/21
04/09/21
04/23/21
05/07/21
05/21/21

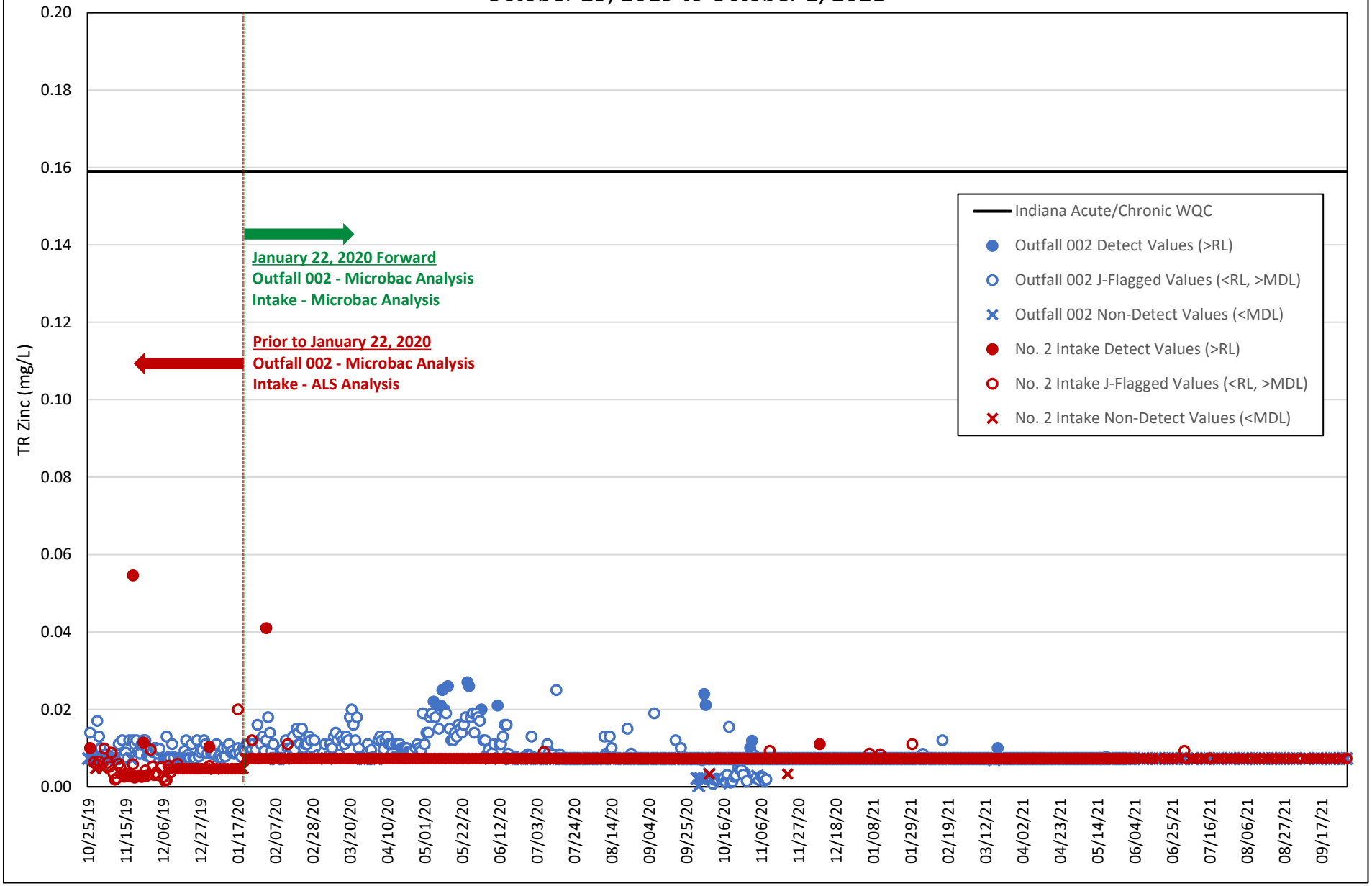

ATTACHMENT E
Cleveland-Cliffs Burns Harbor
TR Silver - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC
October 25, 2019 to May 31, 2021
TR Silver (mg/L)
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
January 22, 2020 Forward
Outfall 002 - Microbac Analysis
Intake - Microbac Analysis
Prior to January 22, 2020
Outfall 002 - Microbac Analysis
Intake - ALS Analysis
Microbac/ALS
Outfall 002 Split Sample Data
09/29 to 11/09/2020
All Non-Detect Data
(Varying MDLs)
Indiana Acute WQC
Indiana Chronic WQC
Outfall 002 Detect Values (>RL)
Outfall 002 J-Flagged Values (<RL, >MDL)
Outfall 002 Non-Detect Values (<MDL)
No. 2 Intake Detect Values (>RL)
No. 2 Intake J-Flagged Values (<RL, >MDL)
No. 2 Intake Non-Detect Values (<MDL)
10/25/19
11/08/19
11/22/19
12/06/19
12/20/19
01/03/20
01/17/20
01/31/20
02/14/20
02/28/20
03/13/20
03/27/20
04/10/20
04/24/20
05/08/20
05/22/20
06/05/20
06/19/20
07/03/20
07/17/20
07/31/20
08/14/20
08/28/20
09/11/20
09/25/20
10/09/20
10/23/20
11/06/20
11/20/20
12/04/20
12/18/20
01/01/21
01/15/21
01/29/21
02/12/21
02/26/21
03/12/21
03/26/21
04/09/21
04/23/21
05/07/21
05/21/21

ATTACHMENT E

Cleveland-Cliffs Burns Harbor

TR Zinc - No. 2 Intake and Outfall 002 Data vs. Indiana Acute and Chronic WQC

October 25, 2019 to October 1, 2021



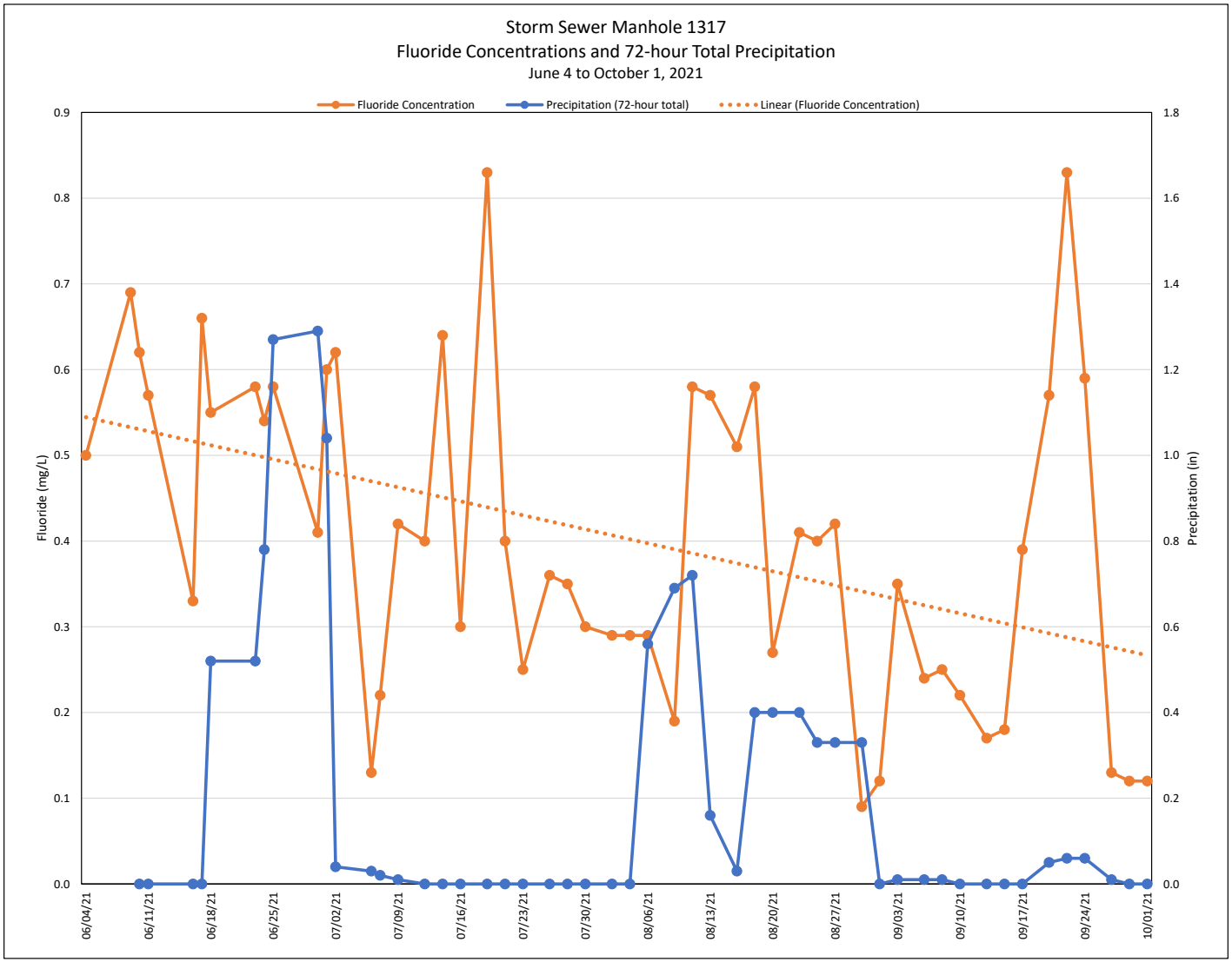
ATTACHMENT F

Cleveland-Cliffs Burns Harbor LLC
Outfall 002 and Blast Furnace and Coke Plant Area NCCW/SW Sampling Program Data

Amendola Engineering, Inc.
November 11, 2021

Sample ID: MH SS 1317 - BOF/Caster and Former Mold Yard Area

Sample Information		Precipitation		Fluoride Results	
Sample Date	ALS Lab ID	Daily (inches)	72-Hr (inches)	Qual	(mg/L)
06/01/21	***Modifications to Outfall 002 ESP Sampling: As part of IDEM's approval of the Cleveland-Cliffs-proposed modifications on 05/27/21, IDEM required 3/week monitoring for fluoride at Storm Sewer Manhole 1317.***				
06/04/21	21060461	0.00			0.50
06/09/21	21060895	0.00			0.69
06/10/21	21060999	0.00	0.00		0.62
06/11/21	21061120	0.00	0.00		0.57
06/16/21	21061521	0.00	0.00		0.33
06/17/21	21061651	0.00	0.00		0.66
06/18/21	21061824	0.52	0.52		0.55
06/23/21	21062215	0.00	0.52		0.58
06/24/21	21062320	0.26	0.78		0.54
06/25/21	21062443	1.01	1.27		0.58
06/30/21	21062835	0.02	1.29		0.41
07/01/21	21070031	0.01	1.04		0.60
07/02/21	21070157	0.01	0.04		0.62
07/06/21	21070366	0.01	0.03		0.13
07/07/21	21070401	0.00	0.02		0.22
07/09/21	21070673	0.00	0.01		0.42
07/12/21	21070827	0.00	0.00		0.40
07/14/21	21071060	0.00	0.00		0.64
07/16/21	21071274	0.00	0.00		0.30
07/19/21	21071421	0.00	0.00		0.83
07/21/21	21071682	0.00	0.00		0.40
07/23/21	21071936	0.00	0.00		0.25
07/26/21	21072076	0.00	0.00		0.36
07/28/21	21072314	0.00	0.00		0.35
07/30/21	21072565	0.00	0.00		0.30
08/02/21	21080030	0.00	0.00		0.29
08/04/21	21080211	0.00	0.00		0.29
08/06/21	21080482	0.56	0.56		0.29
08/09/21	21080618	0.13	0.69		0.19
08/11/21	21080891	0.03	0.72		0.58
08/13/21	21081202	0.00	0.16		0.57
08/16/21	21081341	0.00	0.03		0.51
08/18/21	21081595	0.40	0.40		0.58
08/20/21	21081833	0.00	0.40		0.27
08/23/21	21081990	0.00	0.40		0.41
08/25/21	21082195	0.33	0.33		0.40
08/27/21	21082437	0.00	0.33		0.42
08/30/21	21082545	0.00	0.33	J	0.09
09/01/21	21090027	0.00	0.00		0.12
09/03/21	21090307	0.01	0.01		0.35
09/06/21	21090457	0.00	0.01		0.24
09/08/21	21090613	0.00	0.01		0.25
09/10/21	21090890	0.00	0.00		0.22
09/13/21	21091077	0.00	0.00		0.17
09/15/21	21091351	0.00	0.00		0.18
09/17/21	21091619	0.00	0.00		0.39
09/20/21	21091799	0.05	0.05		0.57
09/22/21	21092045	0.01	0.06		0.83
09/24/21	21092379	0.00	0.06		0.59
09/27/21	21092453	0.00	0.01		0.13
09/29/21	21092744	0.00	0.00		0.12
10/01/21	21100042	0.00	0.00		0.12
10/01/21	***End of Outfall 002 ESP***				



Qualifiers

J Analyte is present at an estimated concentration between the Minimum Detection Limit (MDL) and Reporting Limit (RL)

431653

NEW 60" I.D. MANHOLE W1
RIM EL. 614.44'
E. INV. EL. 604.7'
S. INV. EL. 604.8'
(AM BH DWG. 463651)
N 2323190.87
E 2937406.38

156'-6"

R STREET

SS MH 712

11'-4"

SAN MH 112

INLET N1
RIM EL:613.37'

EXISTING 24" DIA. RCP

T/PIPE 606.425'

T/PIPE 606.218'

EXISTING LINE
TO STORM SEWER
PLUGGED 04/10/2020

31'-11"

T/PIPE 606.455'

T/PIPE 606.505'

276'-1"

T/PIPE 606.474'

T/PIPE 606.477'

NEW 24" DIA. RCP

T/PIPE 606.508'

DIW MH 812
84" DIA. RCP
INV. EL 588.10'

T/PIPE 606.391'

DIW MH 812
SAN MH 212

NEW INLET IN MH 812
24" DIA. RCP
N. INV. EL 606.3'±
(NOT SURVEYED)

DIW MH 812
84" DIA. RCP
INV. EL 588.06'

SS MH 612

PS-M2-8

PS-M2-7

PS-M2-6

PS-M2-5

PS-M2-4

10" PW

16" SAN

60" MT

60" SS

84" DIW

81

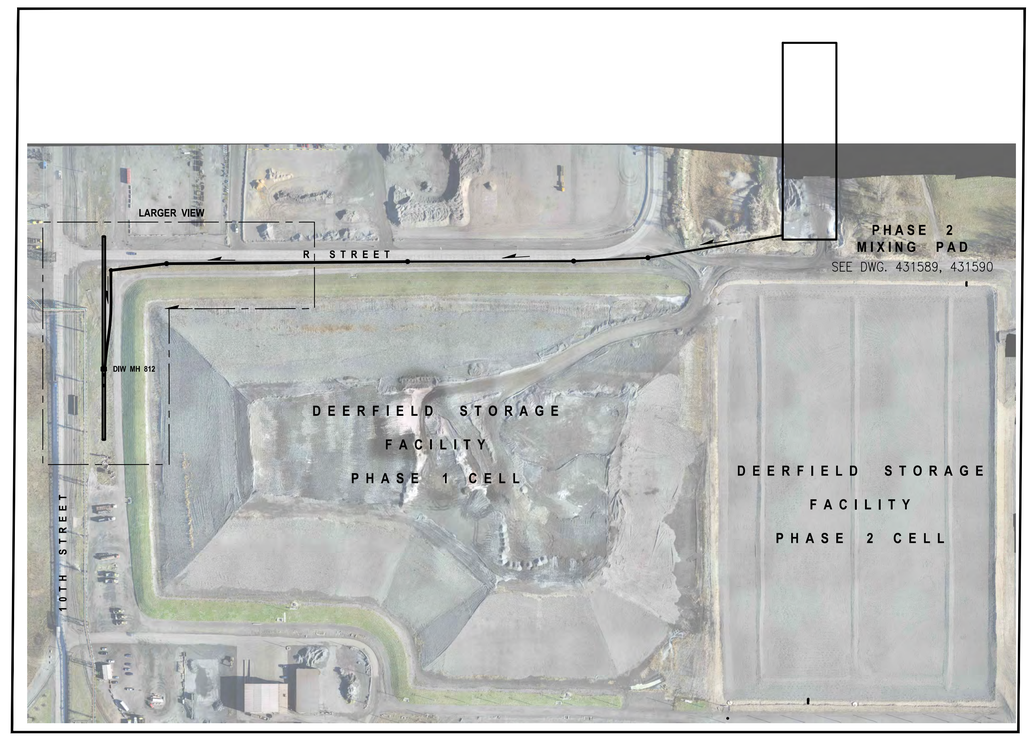
85

1

98

10TH STREET

SCALE
30 0 30 60 FEET



KEY PLAN
SCALE
200 0 200 400 FEET

DRAFT
08-21-2020

GE-002 PREFIX No.: 56

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DLZ PROJECT No.: 1850-3604-70

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Number	Date	Initial
1		
2		
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9		
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ArcelorMittal USA
BURNS HARBOR
ArcelorMittal

DEERFIELD STORAGE FACILITY
PHASE 2 CONSTRUCTION
MIXING PAD DRAIN LINE
RE-ROUTE TO 84" DIW LINE
PLAN VIEW

DRAWN: MAM 08/05/20
CHECKED: CEA
SCALE: AS SHOWN

431653

DWG. NO.	REFERENCES	DWG. NO.	REFERENCES	DATE	REVISION DESCRIPTION	DESIGNER/CHECKER	DATE	REVISION DESCRIPTION	DESIGNER/CHECKER