EXHIBIT 1 TO U.S. RESPONSE TO COMMENTS

Declaration of Dean Maraldo

I, Dean Maraldo, hereby declare and say:

1. The statements in this declaration are based upon my 22 years of experience working at the U.S. Environmental Protection Agency (EPA); on knowledge I have gained as an Environmental Scientist working on and supervising multiple enforcement actions, including the proposed Consent Decree in *United States and State of Indiana v. U.S. Steel Corp.*; on knowledge I have gained from reviewing files and documents and conducting inspections, and supervising other EPA engineers and scientists, relating to a facility's compliance with the Clean Water Act (CWA) and the facility's National Pollutant Discharge Elimination System (NPDES) permit; and on knowledge I have gained from my review of documents and performance of site investigations and involvement with on-going CWA compliance matters relating to U. S. Steel's Midwest Plant in Portage, Indiana (Midwest Plant or Facility).

2. I received a Bachelor of Arts Degree in Geological Sciences from the University of New York at Buffalo in 1991, a Master of Arts degree in Public Policy and Administration from Northwestern University in 2010, and a Master of Sciences degree in Natural Resources and Environmental Science at the University of Illinois, Urbana-Champaign in 2019.

3. Since 1997, I have been employed by EPA. From 1997 to 2004, I worked as an Environmental Scientist in the Emergency and Remedial Response Division of EPA Region 2 in New York, New York. In 2004, I transferred to the EPA Region 5 Water Division in Chicago, Illinois, where I served as Program Manager and Supervisor for the Watershed Branch. Since 2011, I have been employed by the EPA Region 5 Water Division as a Supervisor and Environmental Scientist/Inspector in the Water Enforcement and Compliance Assurance Branch. Prior to my working at EPA, I worked as a consulting geologist in the industrial sector.

4. My duties at EPA Region 5 included conducting inspections and evaluations of a broad array of industrial and municipal sources to determine compliance with the Clean Water Act. I also assisted in the development of enforcement cases against non-compliant industrial and municipal facilities. As a

supervisor I oversaw numerous industrial cases involving stormwater and wastewater-related compliance issues.

5. In the course of my duties at EPA Region 5 in the Water Division, I have become very familiar with the provisions of the CWA, in particular CWA Section 301(a), 33 U.S.C. § 1311(a), and related CWA provisions, as well as the statute's implementing regulations, prohibiting the discharge of any pollutant except, *inter alia*, in compliance with a NPDES permit issued by EPA or an authorized state pursuant to CWA Section 402, 33 U.S.C. § 1342.

6. The Midwest Plant operates two plants to treat process wastewater. The Chrome Treatment Plan treats hexavalent chromium-bearing wastewaters from the tin free steel lines, electroplating tinning lines, and galvanizing lines via a reduction process (i.e., chromium removal) using sodium bisulfite, sulfuric acid, and sodium hydroxide. The average flow rate from January 2016 to December 2018 was 0.23 million gallons per day (MGD). The North Final Treatment Plant (NFTP) treats process wastewater from the pickling lines, cold reduction, annealing, temper milling, electroplating, hot dip coating and prep lines. The average flow is 8.01 MGD. The wastewater plants discharge to Burns Waterway through Outfall 004 (via internal Outfalls 104, 204, and administrative Outfall 304). The Midwest Plant also discharges non-contact cooling water and storm water out of outfalls to Burns Waterway.

7. On the morning of April 11, 2017, U. S. Steel reported to Indiana Department of Environmental Management (IDEM) a discoloration at the Midwest outfall on Burns Waterway. The discoloration was also reported to the National Response Center, the U.S. Coast Guard, and local and State emergency coordinators. That same day, EPA's Superfund Division deployed On-Scene Coordinators to the Facility to investigate the discharge.

8. On April 15, 2017, U. S. Steel wrote IDEM stating that the discoloration was due to the discharge of process wastewater containing hexavalent chromium and total chromium from Outfall 004 into Burns Waterway (April 11, 2017 Spill). U. S. Steel reported that the discharge involved the failure of an expansion joint on a process wastewater pipeline within the Midwest Plant.

9. On April 12, on behalf of EPA, I conducted a reconnaissance inspection of the Midwest Plant. U. S. Steel plant personnel explained to me during that inspection that high pH chromium wastewater flowed from the break in the expansion joint into a containment trench and then into another pipe, and

eventually into Burns Waterway. U. S. Steel Midwest Plant personnel further explained that: 1) the chromium wastewater consisted of rinse water from plating which normally flows to the chrome treatment plant; 2) once the rinse water escaped through the expansion joint, it "ate through the bottom of the trench directly over a pipe" and "ate a hole in the pipe;" and 3) the compromised pipe, in turn, collected the released chromium wastewater and routed it to the NFTP. The NFTP is not designed for or capable of treating chromium wastewater, and the chromium wastewater passed through the plant without proper treatment and discharged through Outfall 004 to the Burns Waterway. U. S. Steel provided EPA with a Safety Data Sheet for the product, chromium trioxide, which has a pH of 1. When mixed with water, chromium trioxide forms chromic acid. The oxidation state of chromium in chromium trioxide and chromic acid is hexavalent chromium. While there is no reportable quantity for hexavalent chromium, the released material was in the form of chromic acid with the reportable quantity of 10 pounds. *See* 40 C.F.R. § 302.4.

10. Again on behalf of EPA, I conducted a compliance evaluation inspection of the Midwest Plant on April 20, 2017. In EPA's May 4, 2017 inspection report, which I drafted (enclosed as Attachment 1), EPA noted several areas of concerns at the Midwest Plant in addition to the April 11, 2017 Spill. Those areas of concern, going as far back as 2013, included permit effluent limit exceedances, narrative water quality standards and monitoring and reporting violations, facility operations and maintenance (O&M) issues, Storm Water Pollution Prevention Plan (SWPPP) deficiencies, and failure to submit timely SWPPP annual reports.

11. IDEM conducted a joint inspection with EPA of the Midwest Plant on the same day, April 20, 2017. During that inspection (in which I participated) and in its inspection report of June 2, 2017, IDEM noted, in addition to concerns regarding the April 11, 2017 Spill, NPDES permit violations including violations of discharge limitations, unsatisfactory O&M at the Midwest Plant and unsatisfactory spill notification.

12. During the course of the negotiations between the federal and state agencies and U. S. Steel prior to lodging of the proposed Decree, U. S. Steel took various steps to address the alleged pollution violations. Those steps, including repairs and improvements to critical wastewater containment infrastructure, are identified in Paragraph 9(a) of the Proposed Decree. Further, during the course of

the public comment period and the Governments' review of public comments, and while the proposed Decree was lodged with the Court, U. S. Steel began complying with the injunctive measures outlined in Section V of the proposed Decree, despite the fact that the Decree was not yet entered as a final judgment of the Court. Actions completed prior to and following lodging of the Decree include making additional repairs, such as replacement of a single-wall chemtreat heat exchanger with a doublewall heat exchanger in order to reduce the potential for the release of chromium to noncontact cooling water, submission of an updated SWPPP, and submission of a number of key plans addressing operations and maintenance and wastewater monitoring, as described below.

13. In addition to requiring a number of repairs and improvements, the proposed Consent Decree requires U. S. Steel to conduct additional sampling, monitoring and preventive maintenance, to help prevent future discharge violations, including chromium spills. In that regard, the proposed Consent Decree requires U. S. Steel to develop O&M and preventive maintenance plans and to design and implement new wastewater process monitoring – all to further the goal of preventing future spills and exceedances of discharge limitations in U. S. Steel's permit.

14. There are three main plans required by the proposed Consent Decree. First, the comprehensive Wastewater O&M Plan is designed to ensure that the company properly operates and maintains at all times all wastewater treatment process equipment used to treat wastewater at the Facility and provide personnel to carry out these functions. *See* Decree, Paragraph 10(a). Second, the preventive maintenance program plan (PM Plan) is designed to help prevent breakdowns, reduce wear, improve efficiency and extend the life of the Facility's wastewater infrastructure. *See* Decree, Paragraph 10(c). Third, the design for wastewater process monitoring (Wastewater Process Monitoring Design) covers early detection of conditions that may lead to spills such as the April 11, 2017 spill, as well as conditions that may lead to unauthorized discharges or discharges in exceedance of U. S. Steel's permit limits. *See* Decree, Paragraph 11(a). Though EPA and IDEM initially disapproved U. S. Steel's O&M and PM Plans, EPA and IDEM eventually approved the O&M/PM Plans on December 28, 2018, following U. S. Steel's improvements to and resubmission of the plans (see Paragraph 16 below). Also, on December 28, 2018, EPA and IDEM approved U. S. Steel's Wastewater Process Monitoring Design (see Paragraph 18 below). Under the proposed Decree, U. S. Steel agrees to implement all of these approved plans on a

fixed timeframe, including installation of the approved monitoring technologies and equipment and operation of the approved wastewater process monitoring. In addition, as part of the monitoring aspect of the plans and as required by the proposed Decree, U. S. Steel has increased the sampling frequency for hexavalent chromium to daily and has been reporting the results to IDEM.

15. On April 15, 2018, U. S. Steel submitted their initial O&M/PM Plans. After consulting with the other Plaintiff federal agencies and IDEM, on May 30, 2018, EPA wrote U. S. Steel stating that EPA and IDEM disapproved of its initial Plans and identifying what the Plans needed to include before they could be approved, including but not limited to the following actions:

- Provide additional operational procedures to help avoid or minimize the impacts from spills and upset conditions at the Chrome Treatment Plant and the Final Treatment Plant.
- Include a reference list of all SOPs for laboratory and field instruments (e.g., pH probes) related to NPDES permit compliance monitoring.
- Provide additional language describing how U. S. Steel is managing and documenting O&M and PM activities.
- Include language describing how U. S. Steel plans to inspect, clean and maintain the outfall channel, and how activities will be tracked.

U. S. Steel agreed to make the changes to their initial Plans as outlined in EPA's letter.

16. I reviewed the bulk of the public comments regarding the CWA compliance provisions of the proposed Decree, as well as those comments that addressed U. S. Steel's submissions of its initial Plans (inasmuch as they were available for public viewing within the prescribed time period for public comment, though the Plans were not intended for public comment). A number of those public comments recommended certain improvements to the initial Plans, over and above the Governments' comments in its May 30, 2018 disapproval letter. EPA, in consultation with the other Plaintiff federal agencies and the State, took under consideration those comments, prior to approving the final Plans. As a result of such consideration, EPA, IDEM, and U. S. Steel discussed the public comments in a series of technical conference calls. Following those calls, EPA and IDEM

recommended that U. S. Steel improve the Plans by making certain changes to its initial Plans, based on public comments, in addition to making the recommended changes as outlined in EPA's May 30, 2018 disapproval letter. In its final, submitted Plans, U. S. Steel agreed to make all of the improvements recommended by the Governments, and many of the improvements recommended by public commenters, after which EPA and IDEM approved the Plans. One of the areas addressed by the commenters, in which U. S. Steel made improvements to the initial versions of the Plans, was in the area of training. U. S. Steel added more detail regarding training required of the Facility's operators to implement the Plans and attached to the Plans samples of the Job Qualifications Requirements necessary for each of the Facility's operators to properly perform the functions required under the Plans to operate and maintain the Facility.

17. One of the areas in which EPA's concerns -- and some of the commenters' concerns -- about the initial O&M/PM Plans overlapped was with regard to the Plans' references to U. S. Steel's Standard Operating Procedures (SOPs). U. S. Steel has developed numerous SOPs that guide each and every operating system of the Facility, be it the Chrome Treatment Plant, the North Final Treatment Plant, or the Sludge Dewatering System, among others. In my review on behalf of EPA of U. S. Steel's initial O&M/PM Plans, it was clear to me that the Plans should not be viewed in a vacuum, but rather in conjunction with the various referenced SOPs. In response both to EPA's comments in its May 30, 2018 disapproval letter and to several public comments on the proposed Decree noting that U. S. Steel's initial Plans referenced some but not all of the SOPs (and did not include them as part of the Plans), U. S. Steel revised its initial Plans to identify each of the more than 40 SOPs that govern the Facility's processes, referencing the specific processes to which they relate. As the implementation of the Plans cannot be entirely separated from implementation of the SOPs, I believe that, when the Plans and SOPs are viewed together as a collective whole, the Facility operators have more than enough information and guidance to be able to adequately implement the necessary O&M and PM procedures, with the goal of maintaining the company's compliance with the proposed Decree and the Clean Water Act.

18. U. S. Steel's approved Wastewater Process Monitoring Design is intended to, and does in fact, improve the detection of conditions that may lead to spills such as the April 2017 Spill and conditions that may lead to unauthorized discharges or permit exceedances. *See* Decree, Paragraph 11. EPA, the other

Plaintiff federal agencies and IDEM reviewed the initial Wastewater Process Monitoring Design and developed recommendations to improve the Design. In developing the recommendations, EPA, in consultation with the other Plaintiff federal agencies and the State, took under consideration a number of public comments received regarding the initial Wastewater Process Monitoring Design. Although U. S. Steel's submission of its initial Wastewater Process Monitoring Design fell outside of the public comment period for the general public and was not intended for public comment, some commenters (i.e., Surfrider Foundation and City of Chicago) who were granted a 30-day extension chose to comment on the initial Wastewater Process Monitoring Design, inasmuch as it was available for public viewing. I reviewed the bulk of those comments. Following a series of technical conference calls between the Governments and U. S. Steel to discuss the recommendations to improve the Wastewater Process Monitoring Design, U. S. Steel agreed to make the following changes, among others, to its initial Wastewater Process Monitoring Design, after which EPA and IDEM approved the final Wastewater Process Monitoring Design, by including:

- a schedule for completion of the installation of all monitoring equipment including controls, meters, alarms, and testing equipment.
- specifications for all monitoring equipment including controls, meters, alarms, and testing equipment.
- a status update for planned activities, including a schedule for completion of any ongoing tests or investigations, installation of testing equipment, and installation of alert and alarm systems.

19. Paragraph 11(a) of the proposed Consent Decree required U. S. Steel to prepare an evaluation of the existing wastewater process monitoring at the Midwest Facility, but it did not require U. S. Steel to submit that evaluation for the Governments' review and approval. The evaluation was intended to help U. S. Steel prepare the Wastewater Process Monitoring Design, pursuant to Paragraph 11(b), which was required to be submitted for review and approval within three months of completing the evaluation. Although the proposed Consent Decree did not require that U. S. Steel's evaluation, serving as the basis for the Wastewater Process Monitoring Design, be submitted to EPA and IDEM, the Governments nevertheless asked U. S. Steel to revise its initial Wastewater Process Monitoring Design to include the details of the evaluation, prior to the Governments' approving the final submission. New Appendix 2 to the revised Design, entitled

Enhanced Monitoring Assessment Summary (Assessment Summary), provides in table form the details of U. S. Steel's evaluation. The Assessment Summary builds on the descriptions outlined in the Wastewater Process Monitoring Design and contains detailed information as to what precise equipment was evaluated, what issues were raised by the evaluation, what actions were taken to address the issues and correct any problems, and the current status of such actions, including what steps remain to be taken and when they are expected to be completed.

20. In my opinion, the revised Wastewater Process Monitoring Design's nine recommendations to improve wastewater process monitoring for early detection of conditions that may lead to spills such as the April 2017 Spill, coupled with the detailed Assessment Summary, have adequately addressed the root causes of the lack of early detection of the April 2017 Spill and what actions need to be taken for early detection of conditions that may lead to future such spills. Similarly, the revised Wastewater Process Monitoring Design's 13 recommendations to help prevent future unauthorized discharges and/or discharges in exceedance of Permit limits, coupled with the detailed Assessment Summary, have adequately identified the actions needed to detect conditions that may lead to unauthorized discharges or discharges in excess of the Permit's limits. In combination with the revised, approved O&M/PM Plans, the relevant SOPs and other compliance measures of the Decree (including required daily chromium and hexavalent chromium testing), in my opinion the Wastewater Process Monitoring Design's recommendations, if properly implemented, will help prevent future spills such as the April 2017 Spill and help prevent the occurrences of unauthorized discharges and discharges in excess of Permit limits, such as the effluent limit exceedances reported by U. S. Steel in October 2017, attributed to O&M deficiencies.

21. Further, in my opinion, U. S. Steel's proper implementation of the approved O&M/PM Plans, the SOPs and the approved Wastewater Process Monitoring Design, in combination with the other compliance measures and enforcement mechanisms of the proposed Decree, will achieve the proposed Decree's objective of promoting U. S. Steel's compliance with the Clean Water Act and related requirements.

22. Both the O&M/PM Plans (which U. S. Steel must review every year to determine if modifications are necessary) and the Wastewater Process Monitoring Design are incorporated as Consent Decree requirements. Before the Decree

terminates, U. S. Steel must, at the time of renewal of its Permit and as part of its application for renewal, submit to IDEM the most current O&M/PM Plans that include the requirements of Paragraph 10(a)-(e) of the Consent Decree. The renewal application must include a request that the renewed Permit contain the requirements to develop, implement and review the O&M/PM Plans. *See* Decree, Paragraph 10(f). Also, at the time of renewal of its Permit and as part of its application for renewal, U. S. Steel must submit to IDEM an application for renewal that includes the requirements to monitor hexavalent and total chromium on a daily basis (though U. S. Steel may request a change in monitoring frequency in the application). *See* Decree, Paragraph 12(b). In that manner, the settlement ensures that, post Decree termination, some of the core compliance measures of the proposed Decree may well live on indefinitely -- and remain enforceable -- in the Facility's NPDES Permit, thus helping to promote U. S. Steel's compliance with the Clean Water Act and related requirements long after termination of the Decree.

I hereby declare under penalty of perjury that the foregoing is true and correct.

Dated this 22 day of August, 2019

Dean Maraldo
Environmental Scientist/Inspector

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

JUN 0 8 2017

REPLY TO THE ATTENTION OF

CERTIFIED MAIL 7016 3010 0000 9203 3434 WC-15J
RETURN RECEIPT REQUESTED

Mr. Joseph E. Hanning, P.E.
Director - Environmental Control
United States Steel Corporation - Gary Works
One North Broadway
Gary, Indiana 46402-3199

Re: U.S. Steel Corporation - Midwest Plant (NPDES Permit No. IN0000337)
National Pollutant Discharge Elimination System (NPDES) Compliance Inspection Report

Dear Mr. Hanning:

On April 12 and April 20, 2017, the U.S. Environmental Protection Agency conducted NPDES compliance inspections at the U.S. Steel Corporation - Midwest Plant, in Portage, Indiana.

During the inspections, several areas of concern were noted. Specifically, see pages 13-14 of the enclosed report. If you have questions or concerns regarding this report, or believe any part of the report is not accurate, please contact Dean Maraldo of my staff at (312) 353-2098 or maraldo.dean@epa.gov.

Sincerely,

Ryan Bahr, Chief
Water Enforcement and Compliance Assurance Branch,
Section 2

Enclosure

cc: Mark Henry, United States Steel Corporation

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CWA COMPLIANCE EVALUATION INSPECTION REPORT
U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 5

Purpose: Compliance Evaluation Inspection Report

Facility: U.S. Steel Corporation – Midwest Plant; 6300 U.S. Route 12, Portage, Indiana

NPDES Permit Number: IN0000337

Dates of Inspection: April 12, 2017 (Recon Inspection)
April 20, 2017 (Compliance Evaluation Inspection)

Facility Representatives:
Mark Henry, U.S. Steel Corporation (USS), Environmental Compliance Manager; 219-712-7347
Joe Hanning, USS, Director Environmental Control; 412-952-0474
Brandon Miller, USS, Environmental Control; 219-688-1151
Eric Williams, USS Environmental Affairs; 412-302-3624
Greg Mackley, USS Operator
Tim Sullivan, USS Environmental Engineer
Ron Kaminski, USS Operations
Brandon Frye, ALS (Contractor)

IDEM Representatives:
Nicholas Ream, Wastewater Compliance Inspector; 219-730-1691
David Greinke, Emergency Response; 219-730-4035
Cathy Csatari, RCRA Inspector; 219-781-5400

Report Prepared by:
Dean Maraldo, EPA Region 5 Inspector

EPA Representatives:
Dean Maraldo, EPA Region 5 Inspector; 312-353-2098
Brian Lenell, EPA Region 5 Physical Scientist; 312-353-4891

EPA Inspector Signature: _____

Report Date: 5/4/17

Approver Name & Title:
Ryan Bahr, Chief, Compliance Section 2

Approver Signature _____

Approval Date: 5/4/17

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I. INTRODUCTION

On April 11, 2017, an incident occurred at the United States Steel Corporation (USS) – Midwest Plant ("facility") in Portage, Indiana, resulting in a discharge of total chromium and hexavalent chromium to Burns Waterway. See Appendix A for aerial view of the U.S. Steel – Midwest Plant Facility. EPA conducted a recon inspection at the facility on April 12, 2017, which focused on the chromium incident; and returned to the facility on April 20, 2017, to conduct a comprehensive compliance evaluation inspection. Representatives of the Indiana Department of Environmental Management (IDEM) joined EPA for portions of the inspections.

EPA assessed USS's compliance with the Clean Water Act (CWA) and the National Pollutant Discharge Elimination System (NPDES) permit for the facility. The inspections consisted of the following major activities:

- Inspection opening conferences;
- Interview and discussions with USS representatives regarding the April 11, 2017, chromium discharge incident; the status of NPDES permit-specific reports; operation and maintenance (O&M) of the facility's wastewater treatment systems; self-monitoring activities; flow monitoring; past self-reported violations; and plant processes.
- Physical inspection of the facility; and
- Closing conferences and areas of concern review.

This report summarizes the results of the inspections. The following personnel were involved in the inspections of the USS facility:

USS:	Mark Henry, Environmental Compliance Manager Joe Hanning, USS, Director Environmental Control Brandon Miller, USS, Environmental Control Eric Williams, USS Environmental Affairs Greg Mackley, USS Operator Tim Sullivan, USS Environmental Engineer Ron Kaminski, USS Operations
ALS (USS Contractor):	Brandon Frye
EPA Region 5:	Dean Maraldo, Inspector/Enforcement Officer Brian Lenell, Physical Scientist
IDEM:	Nicholas Ream, Wastewater Compliance Inspector David Greinke, Emergency Response Cathy Csatari, RCRA Inspector

II. BACKGROUND

The USS facility manufactures steel and related products and is classified under Standard Industrial Classification (SIC) Codes 3316 (Cold Rolled Steel), 3443 (Tin Mill Products), and 2225 (Galvanized Steel). Facility operations include acid pickling, alkaline cleaning, cold rolling, sheet temper milling, continuous annealing, electro-galvanizing and tin electroplating. The facility's principle products include

hot rolled bands and sheet, cold rolled sheet, electrogalvanized sheet, hot dipped galvanized sheet, low carbon sheets, and tin mill products. USS is authorized to discharge treated wastewater, stormwater, and non-contact cooling water from the facility to Burns Waterway under NPDES permit number IN0000337 (hereinafter, Permit), issued on April 1, 2016. The Permit authorizes discharge via three outfalls on Burns Waterway, three internal outfalls, and a temperature compliance point at the edge of the mixing zone and Burns Waterway.

A description of the outfalls is included in the Permit and summarized below:

Outfall 002: The discharge from outfall 002 enters Burns Waterway and is composed of Non-contact Cooling Water (NCCW) and storm water. There is no treatment at this outfall. The average flow is 0.35 million gallons per day (MGD).

Outfall 003: The discharge from outfall 003 enters Burns Waterway and is composed of NCCW and storm water. There is no treatment at this outfall. The average flow is 13.45 MGD.

Outfall 004: The discharge from outfall 004 enters Burns Waterway and is composed of NCCW, storm water, and process wastewater from administrative outfall 304. The average flow is 14.5 MGD.

Outfall 104: The discharge from internal outfall 104 enters Burns Waterway via outfall 004, and is composed of treated process wastewater from the North Final Treatment Plant (NFTP). The NFTP treats process wastewater from the pickling lines, cold reduction, annealing, temper milling, electroplating, hot dip coating and prep lines. The average flow is 8.01 MGD.

Outfall 204: The discharge from internal outfall 204 enters Burns Waterway via outfall 004, and is composed of process wastewater from the chrome treatment plant (CTP). The CTP treats hexavalent chromium-bearing wastewaters from the Tin Free Steel Lines, Electroplating Tinning Lines, and Galvanizing Lines via a reduction process (i.e., chromium removal) using sodium bisulfite, sulfuric acid, and sodium hydroxide. The average flow is 0.34 MGD.

Outfall 304: Outfall 304 is an administrative compliance point and is where the sum of the mass for internal outfalls 104 and 204 is applied under the Permit. The average flow is 8.35 MGD.

Outfall 500: Outfall 500 is the temperature compliance point and is located at the edge of the mixing zone and Burns Waterway, 300' downstream of Outfall 004, in the middle of the channel.

Flow diagrams for plant processes, wastewater treatment, and outfall discharges are provided in Appendix B.

April 11, 2017, Chromium Discharge Incident

On the morning of April 11, 2017, USS reported a discoloration on Burns Waterway. The discoloration was due to the discharge of process wastewater containing hexavalent chromium and total chromium from outfall 004. USS reported that the discharge involved the failure of an expansion joint on a process wastewater pipeline within the facility.

III. APRIL 12, 2017, RECON INSPECTION ACTIVITY SUMMARY

III. A. Facility Entry

I entered the facility at 9:09 am on April 12, 2017, and presented my EPA-issued Enforcement Officer Credentials to the security office representative. I was shown to a conference room in the AE1 building where USS representatives were providing an update on the chromium incident to a large group of stakeholders, including EPA and IDEM On-Scene Coordinators (OSCs), National Park Service representatives, local water company officials, and local emergency and law enforcement representatives. During the update, Mr. Henry stated that the "leak was contained yesterday." Mr. Hanning reiterated this and added that USS "shut all operations down yesterday." He also mentioned that chromium discharge was still possible "as remaining waste leaves the system."

Mr. Henry provided an update on results from samples collected late on April 11 and in the morning of April 12. The results from outfall 004 are summarized below.

Pollutant	Date/Time	Concentration (ug/l)
Total Chromium	4/11/17 - 9:00 pm	416
Total Chromium	4/11/17 - 11:00 pm	160
Total Chromium	4/12/17 - 1:00 am	1,321
Total Chromium	4/12/17 - 3:00 am	2,231
Total Chromium	4/12/17 – 5:00 am	90
Total Chromium	4/12/17 – 7:00 am	304

Following the USS update, I provide the USS representatives and the stakeholder group with a summary of the recon inspection plan for the day, which included a physical inspection of outfall 004, the NFTP, and the site of the failed expansion joint leading to the chromium incident. Mr. Henry indicated that he would be busy managing the incident response for USS and would ask others on the USS staff to help with the inspection. Mr. Henry asked Mr. Greg Mackley to join me on the inspection of the NFTP and outfall 004.

III. B. Physical Facility Inspection

At 10:07 am I began the physical inspection of the NFTP and was joined by Mr. Mackley, Mr. Ream, and Mr. Joseph Magers (National Park Service Park Ranger). Mr. Mackley confirmed most plant processes have been shut down. He also summarized his understanding of the chromium incident and stated that "a pipe expansion pipe broke inside the mill and spilled process water via spray or on the ground to a sewer to the 104 system [pipeline to NFTP]." He also mentioned that the NFTP does not provide chromium treatment.

Mr. Mackley described the wastewater treatment process at the NFTP, which includes two equalization basins, air mix tanks, two sedimentation basins, two thickeners, and two plate and frame filter presses. Photographs referenced in this report are included in the Photo Log (Appendix C). Photograph 1 (MB000215.jpg) provides an overview of the NFTP. As we walked through the plant, Mr. Mackley pointed out that the NFTP "system was upset at the moment due to issues," referring to the clarity of the effluent in the sedimentation basins.

The group then visited outfall 004. Permit Part 1.B.(1)(c) sets forth the following requirements:

> *At all times the discharge from any and all point sources specified within this permit shall not cause receiving waters:*

1. including the mixing zone, to contain substances, materials, floating debris, oil, scum, or other pollutants:
a. that will settle to form putrescent or otherwise objectionable deposits;
b. that are in amounts sufficient to be unsightly or deleterious;
c. that produce color, visible oil sheen, odor, or other conditions in such degree as to create a nuisance.

EPA OSCs observed a green discoloration in the area of outfall 004 on April 11, 2017, see Photograph 2 (Image1.jpg). The effluent discharging from outfall 004 at the time of the inspection looked clear as shown in Photograph 3 (MB000214.jpg).

I completed the physical inspection of the NFTP and outfall 004 at 10:35 am, and returned to the AE1 building.

There were a number of incident management meetings in the late morning and early afternoon between the EPA OSCs, USS representatives, and stakeholders. At 3:03 pm, Mr. Tim Sullivan, USS environmental engineer, was able to join me on an inspection of the Tin Courtyard, the site of the failed wastewater pipeline expansion joint. I asked Mr. Sullivan to guide me through the events of the April 11, 2017, chromium incident. He stated that he was notified of the discharge early in the morning of April 11. Mr. Sullivan said "Once I saw the green discharge out of outfall 004, I had a good idea of where the source might be coming from." He stated that he discovered the leak in the wastewater pipeline expansion joint in the Tin Courtyard area "around 8:30 am" on April 11.

Mr. Sullivan explained the source of the chromium incident was "an expansion joint rupture in a 6-inch pipe within a secondary containment trench in the Tin Courtyard (see Appendix A - aerial view of facility)." The trench and the leaking expansion joint on the 6-inch pipe are shown in Photograph 4 (1.jpg; photograph taken on morning of April 11 by Mr. Henry). Photograph 5 (MB000218.jpg), captures the area of the secondary containment trench (covered at the time of inspection), and the expansion joint rupture. Mr. Sullivan explained that the process wastewater leaked from the expansion joint and flowed north along the bottom of the secondary containment trench. We walked north along the covered trench to the point at which Mr. Sullivan believed the leaked wastewater entered a hole in the bottom of the trench. Photograph 6 (MB000220.jpg), shows the section of the uncovered secondary containment trench where, according to Mr. Sullivan, the leaked wastewater poured through the hole in the bottom of the trench and emptied into a 20-inch pipeline running underneath the trench. In Photograph 7 (2.jpg; photograph taken by Mr. Henry on morning of April 11), discolored liquid is observed pouring into the hole in the bottom of the trench. According to Mr. Sullivan, the acidic wastewater corroded the 20-inch pipeline, creating a hole that allowed the leaked wastewater to pour into the pipeline. At the time of the inspection, USS had sealed the hole in the bottom of the trench with epoxy. Mr. Sullivan stated that the 20-inch pipe carried the leaked wastewater to the equalization basin at the NFTP. I asked Mr. Sullivan if he had any idea how much wastewater leaked from the expansion joint rupture. He said "I have no idea."

I completed the physical inspection of the Tin Courtyard at 3:30 pm, and returned to the AE1 building.

III. C. Recon Inspection Closing Conference

Given the afternoon's busy schedule of chromium incident management activities, I could not conduct a formal closing conference for the recon inspection. I was able to meet briefly with Mr. Henry at 4:05 pm and let him know I was finished with the recon inspection and planned to return within the next week or two to conduct a follow-up compliance evaluation inspection. I departed the facility at 4:07 pm on April 12, 2017.

IV. APRIL 20, 2017, COMPLIANCE EVALUATION INSPECTION ACTIVITY SUMMARY

IV. A. Opening Conference

I arrived at the AE1 building at 9:10 am on April 20, 2017. The inspection opening conference began with introductions at 9:11 am. In attendance were Mr. Henry, Mr. Hanning, Mr. Miller, and Mr. Williams for USS. Mr. Ream and Ms. Cathy Csatari attended on behalf of IDEM. I was joined by Mr. Brian Lenell, an EPA physical scientist. I presented my EPA-issued Enforcement Officer Credentials to Mr. Henry, the primary facility contact.

I discussed the intent and scope of the inspection. I explained the permittee's rights to claim material as confidential. Mr. Henry and Mr. Williams provided copies of documents requested prior to the inspection including a data summary for the chromium incident, and field logs and discharge monitoring reports for 2016. The group discussed the planned schedule for the day, including interviews, physical facility inspection, and a closing conference. Interview and discussion topics included review of the chromium incident, permit reporting, past violations, sludge handling, operations and maintenance (O&M), storm water pollution prevention plan (SWPPP), self-monitoring, and facility process overview.

IV. B. Interviews

Chromium Incident Follow-up:

I began the interview portion of the inspection with some follow-up questions regarding the April 11, 2017, chromium incident. I asked the USS representatives to explain how the chromium wastewater flowed from the break in the expansion join to the NFTP and eventually through outfall 004 to the Burns Waterway. Mr. Hanning said that the chromium wastewater consisted of "rinse water from plating which normally flows to the chrome treatment plant." Mr. Henry stated the "product ate through the bottom of the trench directly over a pipe." He added that the pipe was a carbon steel pipe that brought wastewater to EQ basin at the NFPT. I asked how the chromium wastewater got into the carbon steel pipe. Mr. Hanning said the "product ate a hole in the pipe." USS provided a safety data sheet for the product, chromium trioxide, which has a pH of 1. This raises a concern about the integrity of the carbon steel pipe which was exposed to an unknown volume of corrosive wastewater.

I asked if trench was designed to carry stormwater. Mr. Williams clarified that the trench was designed "for secondary containment." Mr. Henry added that the trench was made of concrete.

I asked if USS was aware of the breach in the bottom of trench before the incident. Mr. Henry stated that they were not aware of the breach and "if we were aware we would have fixed it." I asked if the trench was routinely monitored for integrity and Mr. Henry replied "it was not looked at for integrity." He also said cleanup crews removed "39 barrels of goo" from the trench.

I raised a concern about potential soil contamination at the site of the breach in the trench. Mr. Hanning said he believed "all of the chromium waste went into the carbon steel pipeline and not into the soil."

I asked about the timing of the interim chromium treatment at the NFTP and if the treatment had any effect on performance of the NFTP. Mr. Henry indicated the treatment started at 3 pm on April 11, 2017, with approval from IDEM, and ended on April 19, 2017. He added USS was able to continue all routine sampling and manage treatment despite issues.

Permit Part I.A.(5) sets maximum daily loading effluent limits for total chromium (7.95 lbs/day) and hexavalent chromium (0.51 lbs/day). Mr. Miller stated USS "exceeded maximum limit for total

chromium on Monday and Tuesday [April 11-12] at outfall 304," and had a "hexavalent chromium limit violation on Wednesday [April 12] at outfall 304." Mr. Henry added "all else looks good," in terms of sampling results.

Mr. Hanning then described USS' process for calculating the amount of chromium discharged during the incident. Mr. Henry requested the description of the calculation be considered confidential business information (CBI). I agreed to treat the information as CBI and recorded the description on a separate piece of paper which was secured during and after the inspection. According to Mr. Hanning, a total of 346 pounds of total chromium was released from outfall 004, via internal outfall 304, including 298 pounds of hexavalent chromium.

Reporting:
I went over USS's various reporting requirements under the Permit. No significant issues were identified. Mr. Hanning confirmed he signs the DMRs, and Mr. Henry is the certified Class D operator of record. Mr. Ream added that USS submits DMRs on a timely basis.

Review of Past Violations:
The group went over the history of self-reported violations prior to the April 11, 2017, chromium incident at the facility, going back to 2013. The violations are summarized in Table 1, below. USS provided violation reports for a number of the reported violations.

Report Date	Reported Violation	Violation Type	Permit Reference
1/31/2017	Hex Chromium 304	Effluent Limit	Part 1.A.(5)
12/31/2016	DMR NR Cyanide 204	Non-Reporting	Part 1.C.(2)
4/5/2016	Discoloration 004	Narrative Standard	Part 1.B.(1)(c)
4/1/2016	Discoloration 004	Narrative Standard	Part 1.B.(1)(c)
3/31/2015	Oil & Grease 304	Effluent Limit	Part 1.A.(5)
6/30/2014	Toxicity chronic 004	Effluent Limit	Part 1.A.(3)
5/31/2014	Temp 500	Effluent Limit	Part III.A.
5/31/2014	Toxicity chronic 004	Effluent Limit	Part 1.A.(3)
5/31/2014	Toxicity acute 004	Effluent Limit	Part 1.A.(3)
12/12/13	Discoloration 004	Narrative Standard	Part 1.B.(1)(c)
8/16/2013	Toxicity chronic 004	Effluent Limit	Part 1.A.(3)
02/05/13	T. Chromium 304	Effluent Limit	Part 1.A.(5)

Table 1. Summary of reported violations, February 2013 – February 2017

Sludge:
Mr. Henry summarized the sludge handling procedures for the NFTP and CTP. The chromium plant sludge is disposed of offsite, "with shipments about every two weeks." He estimated the plant generates about 40 tons of hazardous sludge per year. Mr. Henry mentioned that the NFTP includes a filter press process for sludge which generates about 4,000 tons of non-hazardous sludge per year. The sludge is disposed of in a landfill within the facility. Ms. Csatari, IDEM RCRA inspector, asked about the fate of sludge being generated during the chromium incident. Mr. Henry indicated USS is testing sludge samples now to determine if it can be disposed of in the on-site landfill, or requires disposal in an offsite hazardous waste landfill. Ms. Csatari departed the facility upon completion of sludge interview.

Operations and Maintenance:

Permit Part II.B.(1) sets forth the following requirements for operations and maintenance:

> *The permittee shall at all times maintain in good working order and efficiently operate all facilities and systems (and related appurtenances) for the collection and treatment which are installed or used by the permittee and which are necessary for achieving compliance with the terms and conditions of this permit in accordance with 327 IAC 5-2-8(8).*

To start off the interview, I asked the USS representatives how the NFTP and chromium wastewater plants were operating prior to the chromium incident. Mr. Henry said "the plants were working well." Mr. Henry summarized training and staffing for wastewater operations. USS has a staff of thirteen assigned to wastewater operations, including four operators at the NFTP and CTP. Mr. Hanning mentioned how both plants were each designed with two treatment trains for redundancy. Mr. Henry added the plants were inspected and cleaned twice a year. I asked if there were written procedures for the inspections and cleaning efforts. Mr. Henry said there were "no written procedures for cleaning and maintenance [of the plants]."

I asked if USS kept records of maintenance and repairs. Mr. Miller said "work orders should be generated for repairs," and "[USS] is working on a system to auto generate PM [preventive maintenance] work orders." Mr. Hanning added "its a work in progress to track maintenance," and "we have a goal to integrate PM orders." Mr. Henry indicated that Mr. Ron Kaminski directs PM work and arranged for him to join us for the O&M interview.

Mr. Kaminski confirmed the semi-annual cleaning cycle for the wastewater plants. He also confirmed that there is no written plan for wastewater system maintenance and said "we inspect and if we find something deficient, we address it. Everything is based off of inspections." I asked Mr. Kaminski if he maintains records for maintenance and inspections. He replied "maybe, but not always." I asked Mr. Kaminski if there was a PM plan or protocol for pipelines. He said "no there is not, maintenance is as needed."

SWPPP:

I began the interview by asking about the status of the SWPPP. According to the Permit, an updated SWPPP was due on March 31, 2017. Mr. Miller provided a draft of the updated SWPPP. He stated that the draft SWPPP had not yet been approved.

I asked for a copy of the 2016 SWPPP annual report, due within twelve months of the previous (2015) annual report (Permit Part I.D.(5)). The 2015 annual report was submitted to IDEM on May 26, 2016. Mr. Miller indicated that USS has yet to submit the 2016 annual report, due May 26, 2017. Mr. Miller provided a copy of the 2014 annual report, which was submitted to IDEM on January 30, 2015. The 2015 annual report was submitted to IDEM on May 26, 2016. Based on the submission date of the 2014 annual report, the 2015 annual report should have been submitted to IDEM by January 30, 2016, pursuant to Permit Part I.D.(5).

The group took a break for lunch at noon and returned to continue the interview at 1:00 pm. Upon returning from lunch, Mr. Miller provided a copy of the updated SWPPP, approved by Mr. Hanning on March 31, 2017. He said that he "was not aware the updated SWPPP was approved." I concluded the SWPPP portion of the interview and informed the USS representatives that I planned to conduct a review of the updated and approved SWPPP as part of my post-inspection document review.

Self-Monitoring:
Mr. Brandon Frye, of ALS, Inc. (USS Contractor), joined the USS representatives to help answer questions related to the USS self-monitoring program. I asked Mr. Frye about flow monitoring at the outfalls. According to Mr. Frye, USS relies on open channel weirs and ISCO 2150 auto flow monitors for the three outfalls (002, 003, and 004) on Burns Waterway. He said the flow monitoring probes are calibrated every year.

I asked Mr. Frye to summarize the procedure for Permit-related sampling and analysis. He said that with the exception of temperature, pH, and chlorine, all samples are analyzed at ALS's laboratory in Valparaiso, Indiana. We discussed Permit sample collection and handling, and equipment calibration procedures. No significant issues were identified. I did not conduct a laboratory audit as part of the inspection.

Process Overview:
The final portion of the interview focused on a process overview for the facility. Mr. Henry provided an overview of plant operations. The process begins with the hydrocloric pickle line and three production lines, including cold rolled products, tin mill products, and galvanized products. I noticed a facility process flow diagram on the wall of the meeting room and asked Mr. Henry if it accurately described current facility processes. Mr. Henry confirmed the flow diagram accurately described the facility processes. Based on the flow diagram and the information provided by Mr. Henry, Figure 1, below, summarizes the facility production processes.

See Figure "MW-LDD" in Appendix B for details on wastewater treatment and effluent outfall points for the various processes identified in Figure 1.

I concluded the interview portion of the inspection at 1:45 pm.

IV. C. Physical Facility Inspection

At 1:48 pm, I began the physical inspection of the facility and was joined by Mr. Henry, Mr. Hanning, Mr. Miller, Mr. Ream, and Mr. Lenell. We discussed the physical inspection plan and agreed on the order of sites, including the AMROX Co. area, CTP, NFTP; and outfalls 004, 003, and 002. Photographs referenced in this report are included in the Photo Log (Appendix C). See Appendix A for an aerial photograph of the facility and locations of physical inspection sites.

American Iron Oxide Company Facility:
According to Mr. Henry, the American Iron Oxide Company (AMROX) leases a portion of the USS facility and operates a plant which produces a mixed pickle product for USS. I identified the AMROX plant as a potential area of concern based on review of aerial photographs (see Appendix D for an aerial photograph of the AMROX plant). Mr. Henry described the AMROX process and identified the red dust on the ground in the vicinity of the AMROX plant as an iron oxide. He also mentioned that AMROX collects stormwater for reuse. I noticed red dust on the ground as we walked around the perimeter of the plant (see photograph 8 – MB000223.jpg). I commented on the presence of red dust on the facility access road that runs parallel to the plant (see photograph 9 – MB000224.jpg). Mr. Henry stated that USS "required scrubbing of the road in the past," and "there are no open stormwater inlets in the vicinity."

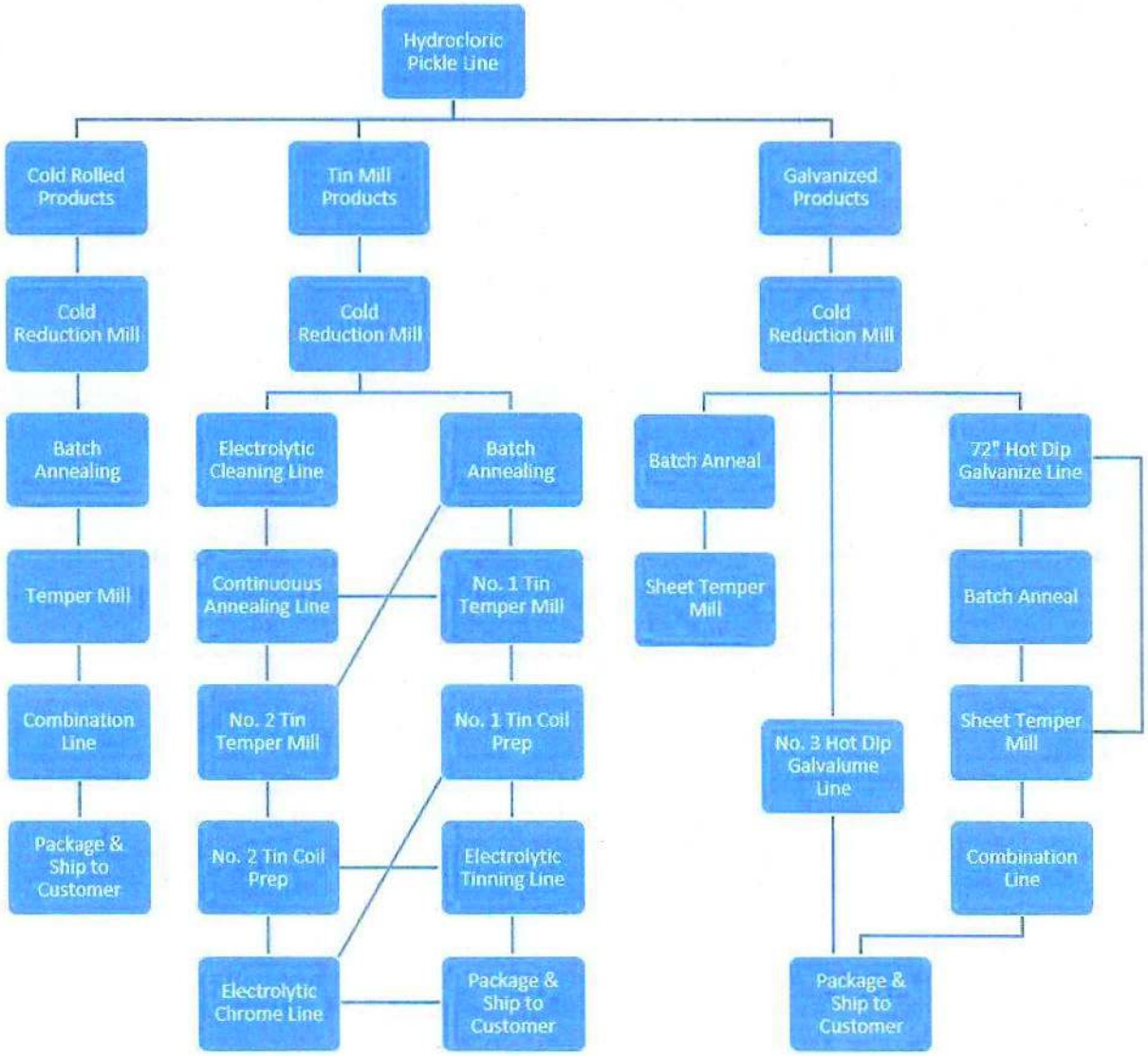


Figure 1. Summary of Facility Processes.

I did not observe the area under wet weather conditions and, as a result, could not assess the potential for stormwater impacts. However, I did mention to Mr. Henry that I would consider the AMROX area a potential area of concern for stormwater impact, due to the presence of red dust on the ground outside of the perimeter of the plant.

Chrome Treatment Plant:

The group entered the CTP control room. I asked Mr. Henry to provide a summary of the plant's treatment process. Mr. Henry mentioned the CPT was 5 or 6 years old, had an average flow rate of 250,000-300,000 gallons per day, and normally operated 24 hours per day, seven days a week. He reiterated that the plant was designed with two treatment trains. The plant relies of pH adjustment to treat chromium-bearing wastewater. The treatment train includes equalization basins, pH adjustment tanks, clarifiers, and filters. I asked Mr. Henry how the plant was operating. He said it was operating "pretty good." I asked Mr. Henry if the plant operators are able to monitor influent flow. He indicated that the

plant was not designed with influent flow monitoring. I mentioned that influent flow monitoring would be helpful for detecting reductions in influent flow, and could provide an early warning in situations similar to the recent chromium discharge incident. I did not conduct a physical inspection of the individual CTP treatment components.

NFTP and Outfall 004:
I conducted a physical inspection of the NFTP treatment train. Mr. Henry described the parallel treatment process which included equalization basins (300,000 gallons), oil skimmers, air blowers, mix tanks (for sulfuric acid, lime, coagulant, and polymer treatment), sedimentation basins, and flocculation basins. Photographs 10 (MB000225.jpg) and 11 (MB000226.jpg) capture the south and north equalization basins, and photograph 12 (MB000227.jpg) captures the flocculation tank. The sedimentation basins are shown in photograph 13 (MB000228.jpg) and in photograph 14 (MB000229.jpg), including the final effluent troughs. I noticed some buildup and debris in the final effluent troughs (see photograph 15 – MB000230). I mentioned the buildup to Mr. Henry and he said operators "hose down the troughs frequently and that they appear to be due now."

The group then walked to the utility building that housed the ISCO 4700 auto sampler for outfall 104. I noted that the sampler tubes were free of debris and without sags (see photograph 16 - MB000231.jpg). The group continued to the walkway above outfall 004. The discharge appeared clear. Mr. Henry mentioned that the boom in place in Burns Waterway was installed at the request of the EPA OSC (see photograph 17 – MB000232.jpg). Mr. Henry also stated that the average flow for outfall 004 was 9.5 MGD.

Outfall 003:
I observed outfall 003 which discharges stormwater and non-contact cooling water into Burns Waterway. I noticed some pitting and corrosion on the side of the flow weir channel, which appeared to create some turbulence in the effluent flow (see photograph 18 – MB000233.jpg). The discharge is captured from a walkway above the outfall in photograph 19 – MB000234.jpg).

Outfall 002:
I observed outfall 002 which also discharges stormwater and non-contact cooling water into Burns Waterway. I noticed a significant amount of debris on the bottom of the flow weir channel (see photograph 20 – MB000235.jpg). The discharge is captured from a walkway above the outfall in photograph 21 - MB000236.jpg).

I completed the Physical Facility Inspection at 3:13 pm.

IV. D. Closing Conference
The group returned to the AE1 building and I began the closing conference at 3:20 pm. I briefly summarized the preliminary potential areas of concern for the USS representatives. The preliminary potential areas of concern included:

- Effluent limit exceedances related to the April 11, 2017, chromium incident.
- Self-reported effluent limit exceedances, and potential narrative standard and reporting violations from 2013 to February 2017.
- Operations and maintenance concerns related to the NFTP, Burns Waterway outfall weirs, and secondary containment trenches and pipelines associated with the April 11, 2017, chromium incident.
- Potential stormwater concerns related to the presence of iron oxide dust on the ground and along the road adjacent to AMROX plant.

- Lack of a comprehensive operations and maintenance plan, including preventive maintenance, for wastewater, stormwater, and non-contact cooling water treatments plants and conveyances.

I asked Mr. Ream if he had any other potential areas of concern. He stated that he did not. I provided the group with an estimated timeframe for completion of the inspection report, and asked the USS representatives if they had any questions or comments. Mr. Miller added that USS is working towards developing an integrated operations and maintenance plan. I reminded the USS representatives that I may identify additional areas of concern after reviewing my notes, the SWPPP, and data, documents and records collected as part of the inspections.

I concluded the closing conference and departed the facility, along with Mr. Lenell, at 3:39 pm.

V. DOCUMENTS RECEIVED

Documents received during the inspections:

- USS data related to April 11, 2017, chromium incident
- 2016 Field logs (ALS)
- USS Discharge Notification Reports to IDEM, 2012-2017
- Map of April 11, 2017, chromium incident sampling locations
- Used oil, waste minimization and wastewater modernization diagram (USS requested treatment as CBI)
- April 2017 flow data summary
- SWPPP, dated March 31, 2017
- 2015 SWPPP Annual Report
- ISCO 2150 Area Velocity Module Fact Sheet
- Plant layout diagram
- DMRs, 3/2016 – 2/2017
- 2014 SWPPP Annual Report

Document received after the inspections:

- Chromium dioxide safety data sheet (provided by OSCs Andy Maguire and Mike Beslow who received the document from Mr. Henry)

VI. DOCUMENT REVIEW

After the inspections, I reviewed my inspection notes and information provided by USS during the inspections, including chromium incident data, DMRs, field logs, SWPPP, and SWPPP annual reports. I identified the following additional areas of concerns (see Appendix E for chromium incident data summaries and figures).

<u>Review of DMRs and Daily Field Logs</u>
I reviewed DMRs and daily field logs from November 2016 – February 2017. I identified the following additional areas of concern:

- pH, non-reporting. No weekly pH reported from 11/22/16 – 12/4/16 for outfall 002. [Permit Part I.A.(1); see copy of Monthly Monitoring Report in Appendix F]
- pH, non-reporting. No weekly pH reported from 11/22/16 – 12/4/16 for outfall 003. [Permit Part I.A.(2); see copy of Monthly Monitoring Report in Appendix F]

- Non-reporting, multiple parameters. No reported daily sample results for TSS, oil & grease, pH, zinc, total chromium, and total cyanide (5x/weekly), from 12/23/16 – 12/27/16, for outfall 204. [Permit Part I.A.(4); see copy of Monthly Monitoring Report in Appendix F]
- Non-reporting, multiple parameters. No reported daily sample results for TSS, oil & grease, total cyanide, zinc, and total chromium (5x/weekly), from 12/23/16 – 12/27/16, for outfall 304. [Permit Part I.A.(5); see copy of Monthly Monitoring Report in Appendix F]

Review of SWPPP

I reviewed the facility SWPPP, dated March 31, 2017, for compliance with the requirements in the Permit Part I.E.

I identified the following deficiencies:

- Permit Part I.E.(2)(b)(3)(B): Site Map. Missing or could not locate "Location and extent of significant structures and impervious surfaces."
- Permit Part I.E.(2)(b)(3)(C): Site Map. Missing or could not locate "Directions of stormwater flow."
- Permit Part I.E.(2)(b)(3)(F): Site Map. Missing or could not locate all "Locations of all stormwater conveyances including ditches, pipes, and swales." Update to include updated information on inlets in the vicinity of AMROX plant.
- Permit Part I.E.(2)(b)(3)(H): Site Map. Missing or could not locate "Locations where significant spills or leaks identified have occurred."
- Permit Part I.E.(2)(b)(3)(I): Site Map. Missing or could not locate "Locations of all stormwater monitoring points."
- Permit Part I.E.(2)(b)(3)(J): Site Map. Missing or could not locate "Locations of stormwater inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No. 1, No. 2), indicating if you are treating one or more outfalls as "substantially identical", and an approximate outline of the areas draining to each outfall."
- Permit Part I.E.(2)(b)(3)(L): Site Map. Missing or could not locate "Areas of federally-listed critical habitat for endangered or threatened species, if applicable."
- Permit Part I.E.(2)(b)(3)(O): Site Map. Missing or could not locate "Identify in the SWPPP where any of the following activities may be exposed to precipitation or surface runoff: storage or disposal of wastes such as spent solvents and baths, sand, slag and dross; liquid storage tanks and drums; processing areas including pollution control equipment (e.g., baghouses); and storage areas of raw material such as coal, coke, scrap, sand, fluxes, refractories, or metal in any form. In addition, indicate where an accumulation of significant amounts of particulate matter could occur from such sources as furnace or oven emissions, losses from coal and coke handling operations, etc., and could result in a discharge of pollutants to waters of the United States."
- Permit Part I.E.(2)(d)(2): Schedules and Procedures. Missing or could not locate "Maintenance – Preventative maintenance procedures, including regular inspections, testing, maintenance and repair of all control measures to avoid situations that may result in leaks, spills, and other releases, and any back-up practices in place should a runoff event occur while a control measure is off-line. The SWPPP shall include the schedule or frequency for maintaining all control measures used to comply with the storm water requirements."
- Permit Part I.E.(2)(d)(5): Schedules and Procedures. Missing or could not locate "Employee Training – The elements of your employee training plan shall include all, but not be limited to, the requirements set forth in Permit Part.I.D., and also the following:
  - (a) The content of the training; The frequency/schedule of training for employees who have duties in areas of industrial activities subject to this permit;
  - (b) A log of the dates on which specific employees received training."

VII. AREAS OF CONCERN

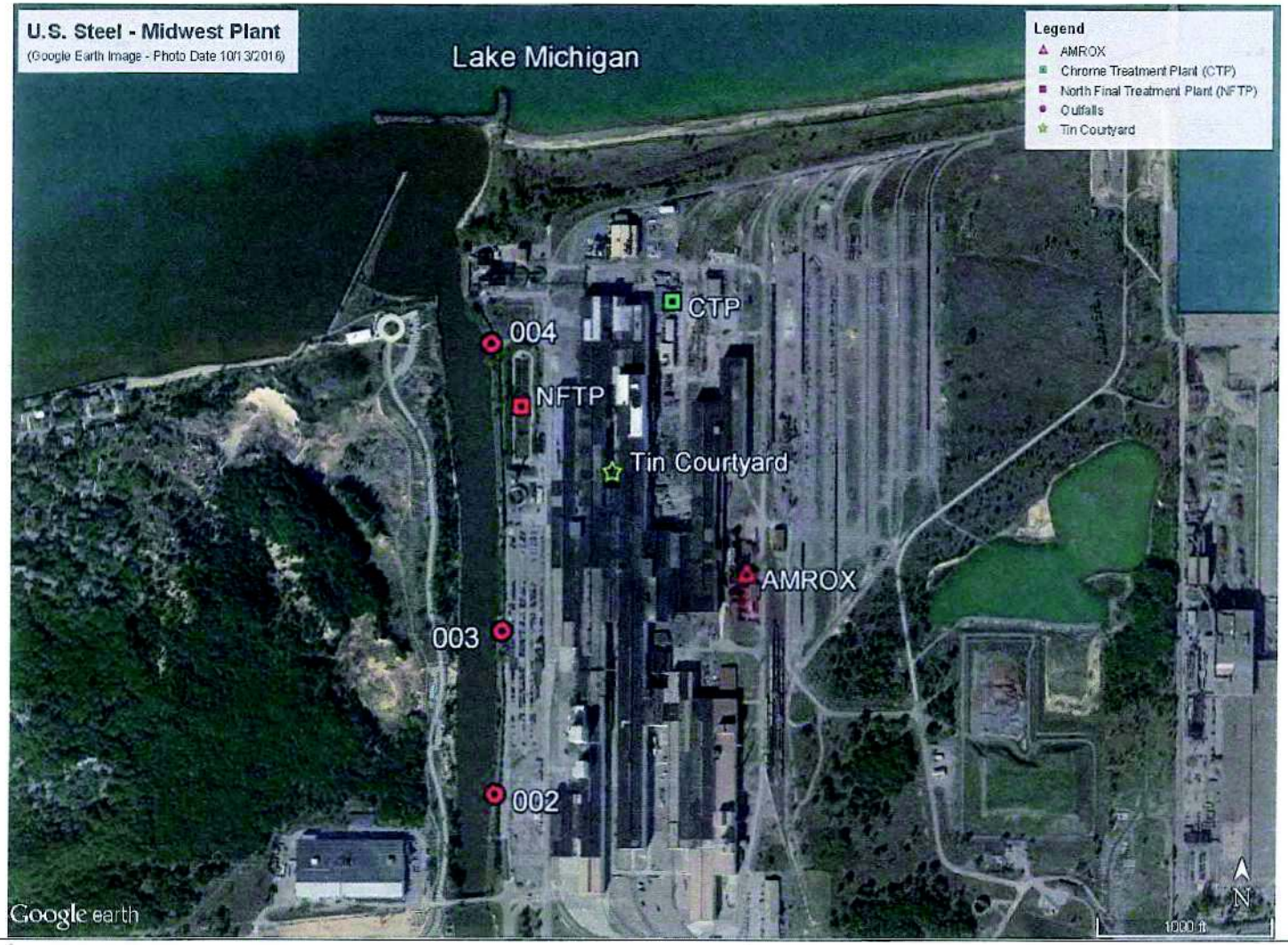
I identified several areas of concern, based on the inspection findings and review of documents provided by USS. The areas of concern are summarized in the table below.

Area of Concern	Finding	Permit/Regulatory Reference
Effluent limit exceedances and discoloration – Chromium Incident	Effluent limit exceedances related to the April 11, 2017, chromium incident. Total chromium and hexavalent chromium effluent limit (maximum daily load) exceedances for outfall 304, April 11-12, 2017. EPA OSCs observed a green discoloration in the area of outfall 004 on April 11, 2017, see Photograph 2 (Image1.jpg).	Permit Part I.A.(5) sets maximum daily loading effluent limits for outfall 304, for total chromium (7.95 lbs/day) and hexavalent chromium (0.51 lbs/day). Permit Part I.B. sets water quality standard requirements for outfalls.
Effluent limit exceedances, and potential narrative standard and reporting violations	Self-reported effluent limit exceedances, and potential narrative standard and reporting violations from 2013 to February 2017. See summary in Table 1 (page 6), Section VI (page 11), and Appendix F.	Permit Part I.A. sets effluent limits for outfalls. Permit Part I.B. sets water quality standard requirements for outfalls. Permit Part I.C. sets monitoring and reporting requirements for outfalls.
Operations and Maintenance Issues	See Section IV.B., unless noted otherwise. Operations and maintenance issues identified during the inspections include: • The source of the chromium incident was an expansion joint rupture in a 6-inch pipe. • Lack of preventive maintenance and poor condition of secondary containment trenches. An undetected hole in the bottom of a secondary containment trench created a pathway for leaked wastewater to flow into the subsurface and into a 20-inch carbon steel. See photograph 7 (2.jpg). • During the chromium incident, a 20-inch carbon steel pipeline was exposed to an unknown quantity of highly corrosive (pH 1) wastewater. This raises a concern about the integrity of the carbon steel wastewater pipeline.	Permit Part II.B.(1). "Proper Operation and Maintenance: The permittee shall at all times maintain in good working order and efficiently operate all facilities and systems (and related appurtenances) for the collection and treatment which are installed or used by the permittee and which are necessary for achieving compliance with the terms and conditions of this permit

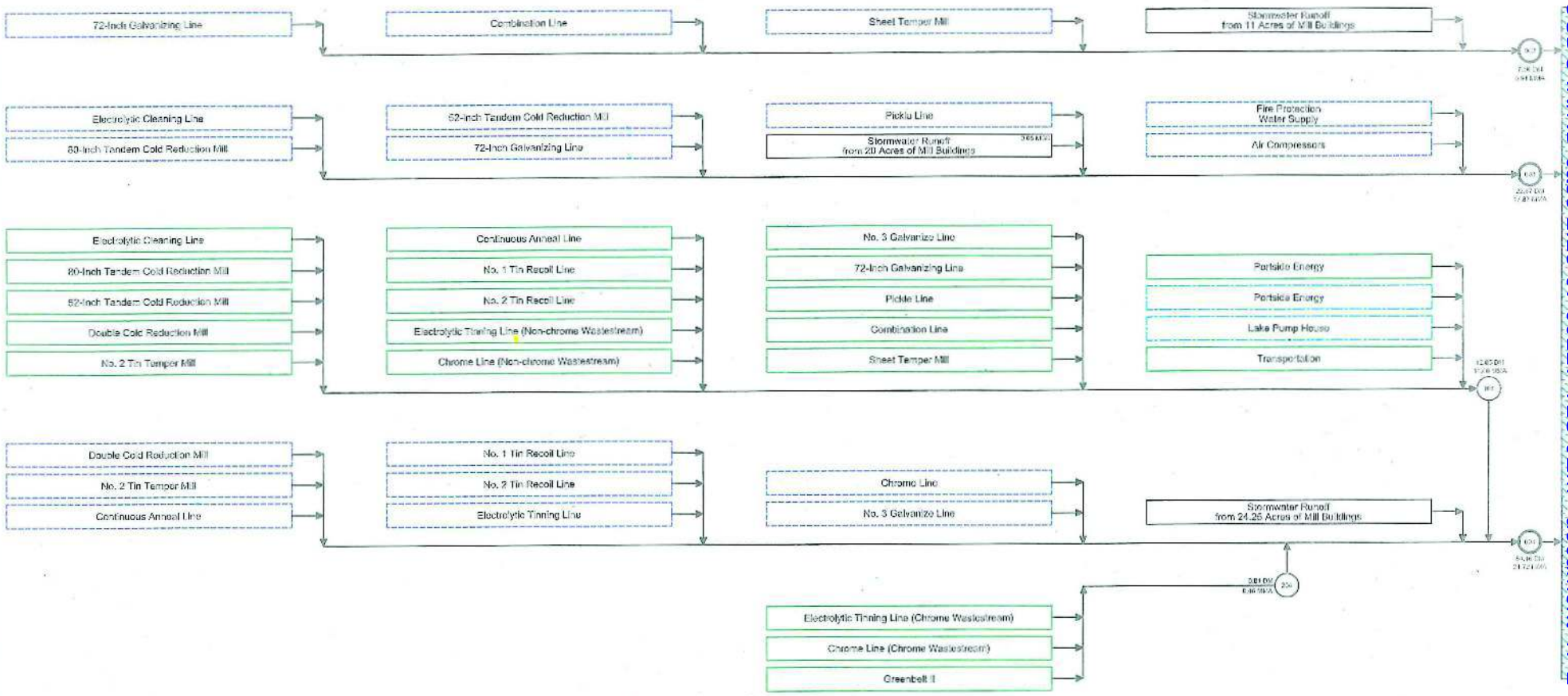
Area of Concern	Finding	Permit/Regulatory Reference
	• Secondary containment trenches are not routinely monitored for integrity. • Lack of a comprehensive written plan for cleaning and maintenance of the wastewater infrastructure. • Maintenance and inspection activities are not always recorded. • Lack of a preventive maintenance plan, maintenance done on as needed basis. • Lack of influent flow monitoring at the Chromium Treatment Plant. Influent flow monitoring would be helpful for detecting reductions in influent flow, and could provide an early warning in situations similar to the recent chromium discharge incident (see Section IV.C). • Buildup of debris in the NFTP final effluent troughs (see photograph 15 – MB000230, and Section IV.C). • Pitting and corrosion on the side of the flow weir channel at outfall 003, which appeared to create some turbulence in the effluent flow (see photograph 18 – MB000233.jpg, and Section IV.C). • Debris on the bottom of the flow weir channel at outfall 002 (see photograph 20 – MB000235.jpg, and Section IV.C).	in accordance with 327 IAC 5-2-8(8)."
Late Submittal of 2015 SWPPP Annual Report	The 2015 SWPPP annual report was submitted to IDEM on May 26, 2016. The 2015 annual SWPPP report was due to be submitted to IDEM by January 30, 2016, within twelve months of the date of submittal for the 2014 SWPPP Annual Report (see Section IV.B.).	Permit Part I.D.(5)
SWPPP Deficiencies	SWPPP components, including Site Map, and Schedules and Procedures requirements, missing or could not be located (see Section VI).	Permit Part I.E.(2)(b)(3) – Site map requirements. Permit Part I.E.(2)(d) – Schedules and procedures.
SWPPP Good Housekeeping - AMROX	Potential stormwater concerns related to the presence of iron oxide dust on the ground and along the road adjacent to AMROX plant.	Permit Part I.D.(4)(b) – Good Housekeeping.

Appendix A: Aerial View of the U.S. Steel – Midwest Plant Facility

Annotated Google Earth® **aerial image of the Facility, dated October 13, 2016.**



Appendix B: Wastewater and Stormwater Process Flow Diagrams



LEGEND:
MGD MILLION GALLONS PER DAY
DM DAILY MAX FLOW
MMA MAXIMUM MONTHLY AVERAGE FLOW

NOTE:
FLOW AVERAGES BASED ON MARCH 2011 THROUGH MAY 2015 FLOW DATA.

NON-CONTACT COOLING WATER			REVIEW DATE:	07/14/2015
CONDENSATE	X PUMP STATION		REVISION DATE:	07/14/2015
BACKWASH, WASHDOWN, BLOWDOWN	A INTERNAL MONITORING ON DISCHARGE POINT		FILE PATH:	USSMW/Drawings/LDDs/20xx xxxx
PROCESS WATER	A OUTFALL		FILE NAME:	MW-LDD

FIGURE MW-LDD
U.S. Steel - Midwest Plant Line Discharge Diagram
Outfalls: 002, 003 and 004

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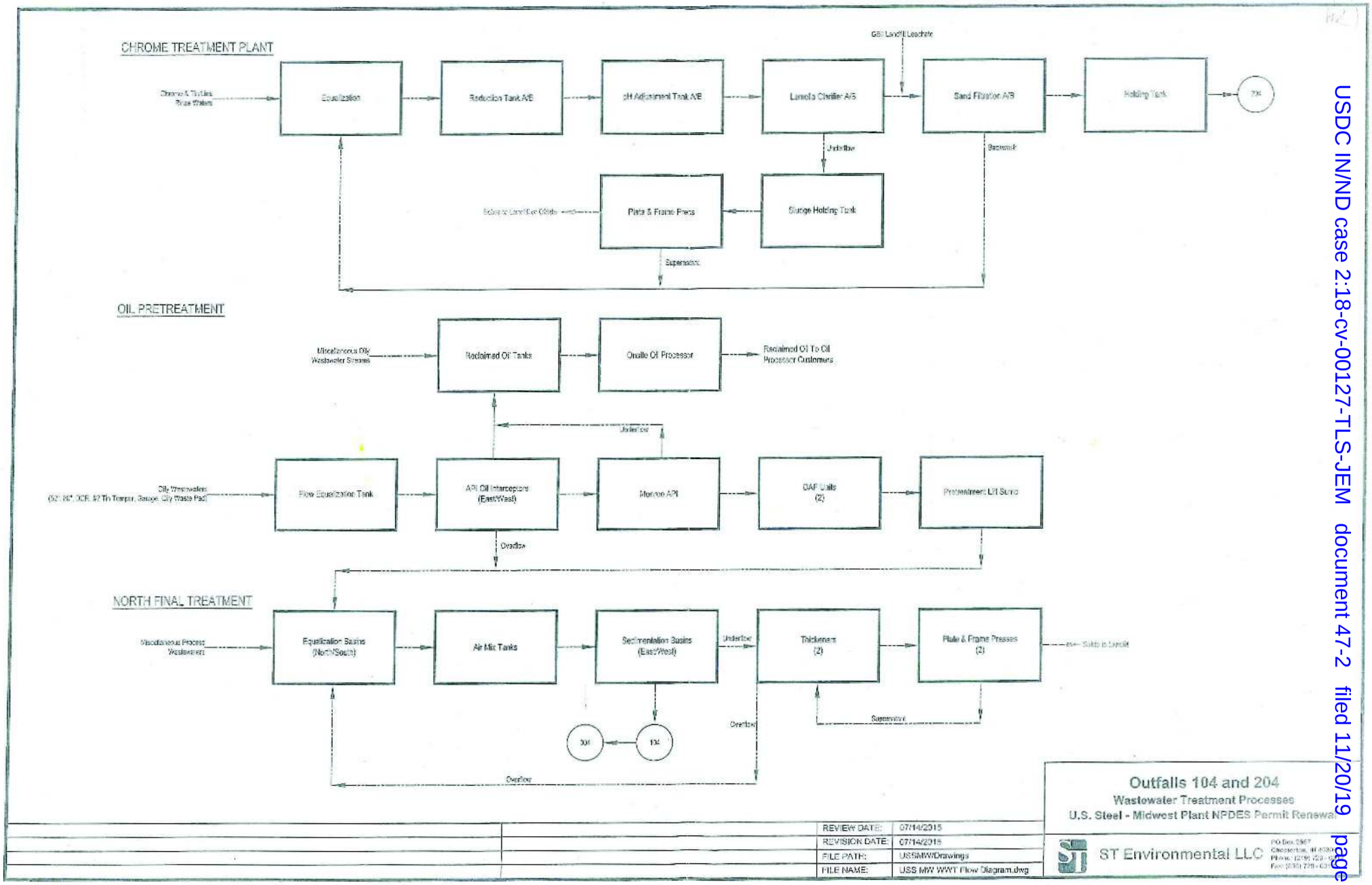

CHROME TREATMENT PLANT
Chrome & Tin Line Rinse Waters
Equalization
Reduction Tank A/B
pH Adjustment Tank A/B
Lamella Clarifier A/B
GSI Landfill Leachate
Sand Filtration A/B
Holding Tank
204
Underflow
Backwash
Sludge Holding Tank
Plate & Frame Press
Solids to Landfill or Other Disposal
Supernatant
OIL PRETREATMENT
Miscellaneous Oily Wastewater Streams
Reclaimed Oil Tanks
Onsite Oil Processor
Reclaimed Oil To Oil Processor Customers
Underflow
Oily Wastewaters (52", 80", DCR, #2 Tin Temper, Garage, Oily Waste Pad)
Flow Equalization Tank
API Oil Interceptors (East/West)
Monroe API
DAF Units (2)
Pretreatment Lift Sump
Overflow
NORTH FINAL TREATMENT
Miscellaneous Process Wastewaters
Equalization Basins (North/South)
Air Mix Tanks
Sedimentation Basins (East/West)
Underflow
Thickeners (2)
Plate & Frame Presses (2)
Solids to Landfill
Overflow
Supernatant
301
104
Overflow
Outfalls 104 and 204
Wastewater Treatment Processes
U.S. Steel - Midwest Plant NPDES Permit Renewal
REVIEW DATE: 07/14/2015
REVISION DATE: 07/14/2015
FILE PATH: USSMW\Drawings
FILE NAME: USS MW WWT Flow Diagram.dwg
ST Environmental LLC

Appendix C: Photo Log

U.S. Steel Corporation – Midwest Plant
EPA Recon Inspection April 12, 2017
EPA CEI Inspection April 20, 2017

All times in Central Time Zone

1: MB000215.jpg
Description: Overview of the NFTP.
Location: U.S. Steel – Midwest Plant
Camera Direction: 197°
Date/Time: April 12, 2017; 10:31 am.
Photo Taken by: Dean Maraldo
Camera: RICOH WG-4 GPS

2: image1.jpg
Description: Green discoloration in the area of outfall 004 on April 11, 2017.
Location: U.S. Steel – Midwest Plant
Camera Direction: N/A
Date/Time: April 11, 2017; 11:20 am.
Photo Taken by: Tom Mendez, EPA OSC
Camera: EPA IPhone 6

3: MB000214.jpg
Description: Effluent discharging from outfall 004 at the time of the inspection.
Location: U.S. Steel – Midwest Plant
Camera Direction: 251°
Date/Time: April 12, 2017; 10:29 am.
Photo Taken by: Dean Maraldo
Camera: RICOH WG-4 GPS

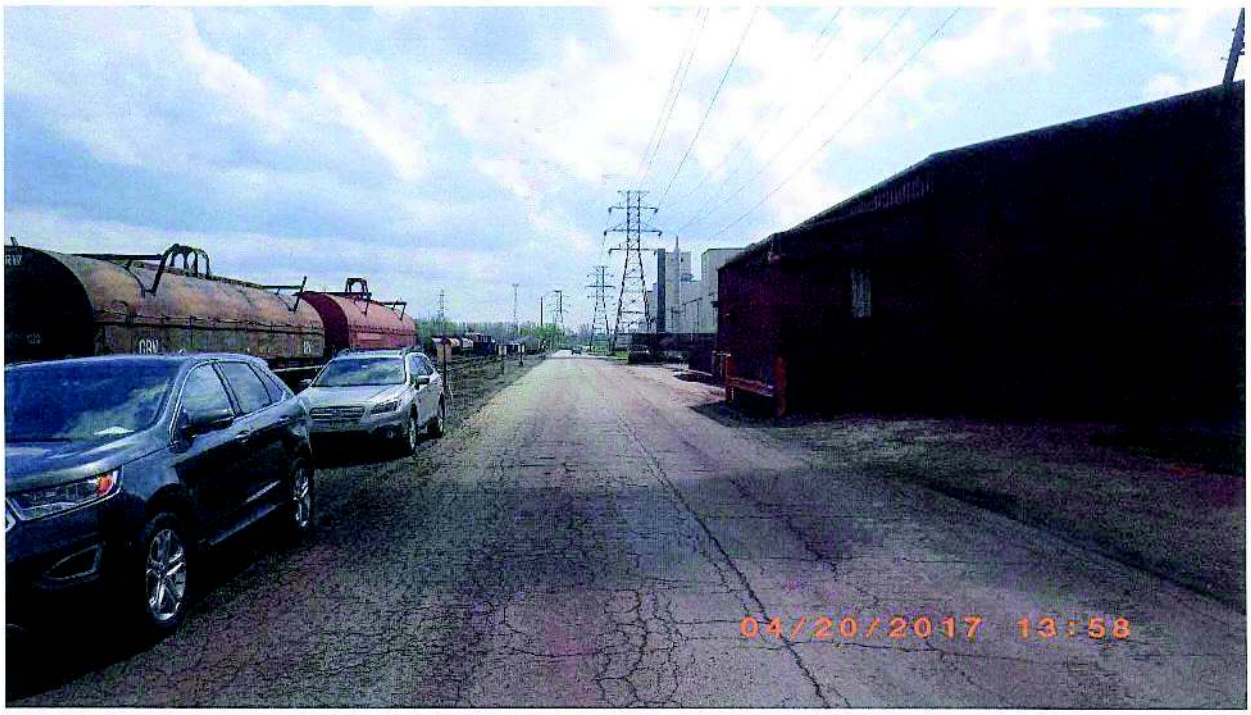
4: 1.jpg
Description: Secondary containment trench and leaking expansion joint in the Tin Courtyard.
Location: U.S. Steel – Midwest Plant
Camera Direction: N/A
Date/Time: April 11, 2017; morning.
Photo Taken by: Mr. Mark Henry (USS), and provided to EPA OSC.
Camera: Unknown

5: MB000218.jpg
Description: The area of the secondary containment trench (covered at the time of inspection), and the expansion joint rupture.
Location: U.S. Steel – Midwest Plant
Camera Direction: 335°
Date/Time: April 12, 2017; 3:13 pm.
Photo Taken by: Dean Maraldo
Camera: RICOH WG-4 GPS

6: MB000220.jpg
Description: The uncovered section of the secondary containment trench where leaked wastewater poured through the hole in the bottom of the trench and emptied into a 20-inch pipeline running underneath the trench.
Location: U.S. Steel – Midwest Plant
Camera Direction: 333°
Date/Time: April 12, 2017; 3:22 pm.
Photo Taken by: Dean Maraldo
Camera: RICOH WG-4 GPS

7: 2.jpg
Description: Discolored liquid is observed pouring into the hole in the bottom of the secondary containment trench, and, according to USS, into a 20-inch pipeline below.
Location: U.S. Steel – Midwest Plant
Camera Direction: N/A
Date/Time: April 11, 2017; morning.
Photo Taken by: Mr. Mark Henry (USS), and provided to EPA OSC.
Camera: Unknown

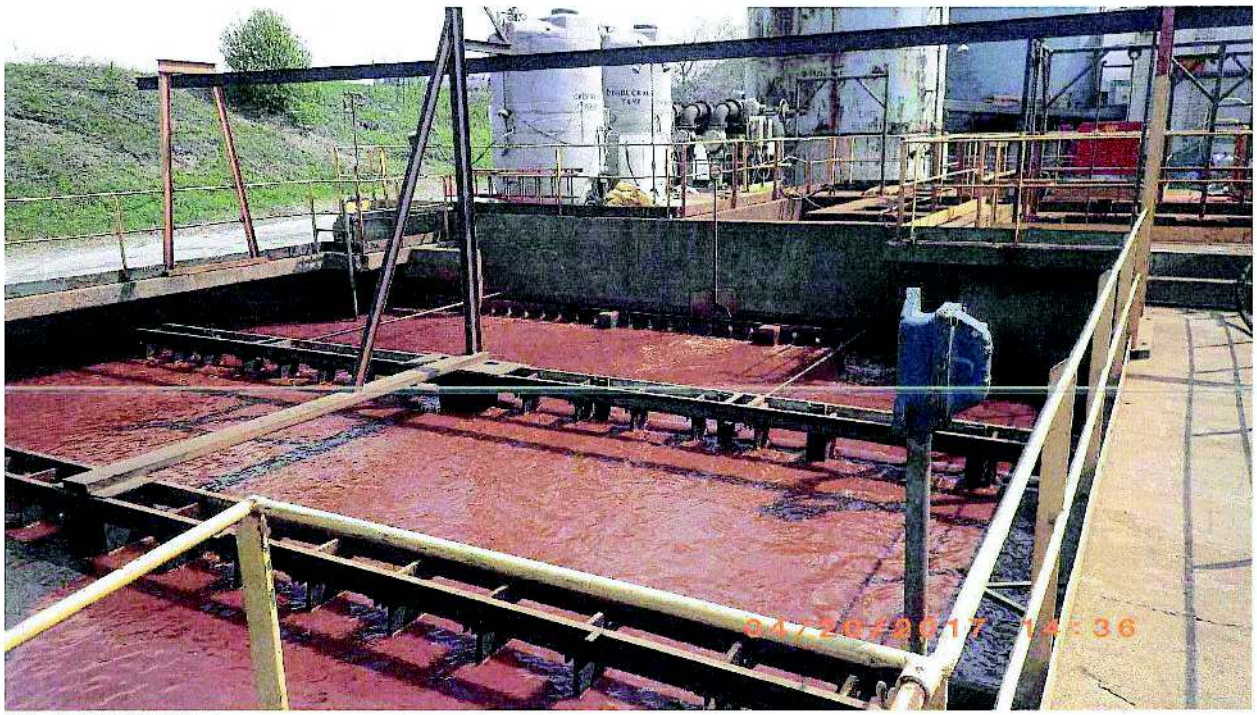
8: MB000223.jpg
Description: Red iron oxide dust on the ground, around the perimeter of the AMROX plant.
Location: U.S. Steel – Midwest Plant, AMROX Plant
Camera Direction: 335°
Date/Time: April 20, 2017; 1:58 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS



9: MB000224.jpg
Description: Red iron oxide dust on the facility access road that runs parallel to the AMROX plant.
Location: U.S. Steel – Midwest Plant, AMROX Plant
Camera Direction: 168°
Date/Time: April 20, 2017; 1:58 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

10: MB000225.jpg
Description: NFTP south equalization basin.
Location: U.S. Steel – Midwest Plant
Camera Direction: 267°
Date/Time: April 20, 2017; 2:29 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

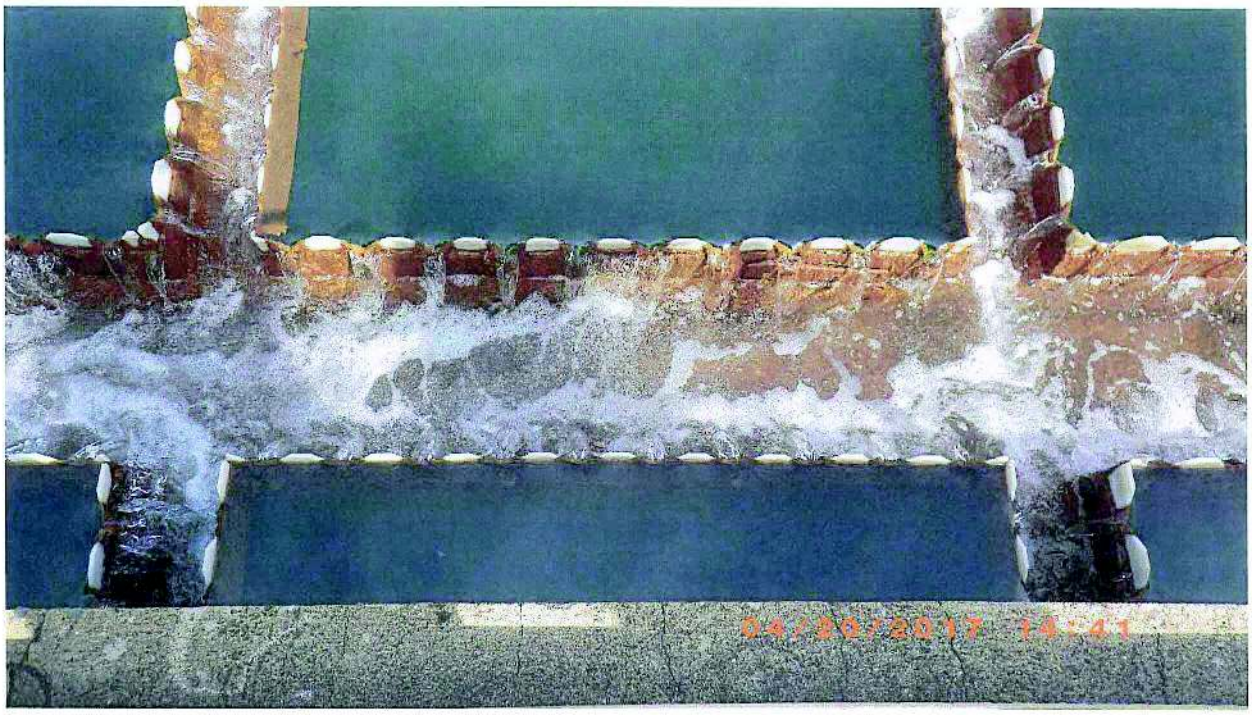
11: MB000226.jpg
Description: NFTP north equalization basin.
Location: U.S. Steel – Midwest Plant
Camera Direction: 350°
Date/Time: April 20, 2017; 2:30 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS



12: MB000227.jpg
Description: NFTP flocculation tank.
Location: U.S. Steel – Midwest Plant
Camera Direction: 147°
Date/Time: April 20, 2017; 2:36 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

13: MB000228.jpg
Description: NFTP sedimentation basins.
Location: U.S. Steel – Midwest Plant
Camera Direction: 165°
Date/Time: April 20, 2017; 2:38 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

14: MB000229.jpg
Description: NFTP sedimentation basin effluent troughs.
Location: U.S. Steel – Midwest Plant
Camera Direction: 71°
Date/Time: April 20, 2017; 2:39 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS



15: MB000230.jpg
Description: Debris buildup in the NFTP sedimentation basin final effluent troughs.
Location: U.S. Steel – Midwest Plant
Camera Direction: 104°
Date/Time: April 20, 2017; 2:41 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

16: MB000231.jpg
Description: ISCO 4700 auto sampler for outfall 104.
Location: U.S. Steel – Midwest Plant
Camera Direction: 245°
Date/Time: April 20, 2017; 2:43 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

17: MB000232.jpg
Description: Outfall 004 discharge. Note boom in place.
Location: U.S. Steel – Midwest Plant
Camera Direction: 213°
Date/Time: April 20, 2017; 2:46 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

18: MB000233.jpg
Description: Outfall 003 flow weir channel. Notice pitting and corrosion on the side of the channel, which appeared to create some turbulence in the effluent flow.
Location: U.S. Steel – Midwest Plant
Camera Direction: 333°
Date/Time: April 20, 2017; 2:59 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

19: MB000234.jpg
Description: Outfall 003 discharge to Burns Waterway.
Location: U.S. Steel – Midwest Plant
Camera Direction: 254°
Date/Time: April 20, 2017; 3:00 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

20: MB000235.jpg
Description: Outfall 002 flow weir channel. Noticed significant amount of debris on the bottom of the flow weir channel.
Location: U.S. Steel – Midwest Plant
Camera Direction: 349°
Date/Time: April 20, 2017; 3:08 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

21: MB000236.jpg
Description: Outfall 002 discharge to Burns Waterway.
Location: U.S. Steel – Midwest Plant
Camera Direction: 213°
Date/Time: April 20, 2017; 3:09 pm.
Photo Taken by: Brian Lenell
Camera: RICOH WG-4 GPS

Appendix D: Aerial View of the AMROX Facility

***Google Earth*® aerial image of the Facility, dated October 13, 2016.**

Appendix E: April 11, 2017, Chromium Incident Data Summaries and Figures

USS Data Summary (provided during inspection)

		Latitude	Longitude
A	West	41.618213	-87.176589
	Center	41.618206	-87.176361
	East	41.618201	-87.176133
B	West	41.629441	-87.176652
	Center	41.629441	-87.176317
	East	41.629449	-87.175960
C	West	41.630841	-87.176878
	Center	41.630823	-87.176526
	East	41.630827	-87.176148
D	West	41.63176	-87.17787
	Center	41.63168	-87.17696
	East	41.63169	-87.17667
E	West	41.63247	-87.17818
	Center	41.63221	-87.17728
	East	41.63215	-87.17667
F	West	41.63305	-87.17780
	Center	41.63287	-87.17725
	East	41.63278	-87.17672
G	West	41.63337	-87.17750
	Center	41.63342	-87.17696
	East	41.63332	-87.17638
OF 500		41.630817	-87.176033

Date Sample Taken	Time Sample Taken	Date Sample Analyzed	Time Sample Analyzed	Sample ID	Paramater	Location	West/Center/East	Depth	Result (ug/L)	Qualifier	Duplicate?	Lab	Lab ID	Method
4/11/2017		4/11/2017	20:30	1704564-01	Hex	AW Intake			<2	U	N	ALS	1704564-01	SM 3500
4/11/2017		4/11/2017	20:30	1404564-02	Hex	AW Wetwell			3.1,<2 (rerun)	J (initial), U (rerun)	N	ALS	1404564-02	SM 3500
4/11/2017		4/11/2017	20:30	1704564-03	Hex	AW Cleanwell			<2	U	N	ALS	1704564-03	SM 3500
4/11/2017		4/11/2017	20:30	1704565-01	Hex	A	West	Surface	<2	U	N	ALS	1704565-01	SM 3500
4/11/2017		4/11/2017	20:30	1704565-02	Hex	A	Center	Surface	<2	U	N	ALS	1704565-02	SM 3500
4/11/2017		4/11/2017	20:30	1704565-03	Hex	B	West	Surface	<2	U	N	ALS	1704565-03	SM 3500
4/11/2017		4/11/2017	20:30	1704565-04	Hex	B	Center	Surface	<2	U	N	ALS	1704565-04	SM 3500
4/11/2017		4/11/2017	20:30	1704565-05	Hex	C	West	Surface	<2	U	N	ALS	1704565-05	SM 3500
4/11/2017		4/11/2017	20:30	1704565-06	Hex	C	Center	Surface	<2	U	N	ALS	1704565-06	SM 3500
4/11/2017		4/11/2017	20:30	1704565-07	Hex	D	West	Surface	3.1	J	N	ALS	1704565-07	SM 3500
4/11/2017		4/11/2017	20:30	1704565-08	Hex	D	Center	Surface	<2	U	N	ALS	1704565-08	SM 3500
4/11/2017		4/11/2017	20:30	1704565-09	Hex	E	West	Surface	18		N	ALS	1704565-09	SM 3500
4/11/2017		4/11/2017	20:30	1704565-10	Hex	E	Center	Surface	<2	U	N	ALS	1704565-10	SM 3500
4/11/2017		4/11/2017	20:30	1704563-01	Hex	E	Center	Surface	<2	U	Y	ALS	1704563-01	SM 3500
4/11/2017		4/11/2017	20:30	1704563-02	Hex	F	West	Surface	<2	U	N	ALS	1704563-02	SM 3500
4/11/2017		4/11/2017	20:30	1704563-03	Hex	F	Center	Surface	<2	U	N	ALS	1704563-03	SM 3500
4/11/2017		4/11/2017	20:30	1704563-04	Hex	G	West	Surface	3.1	J	N	ALS	1704563-04	SM 3500
4/11/2017		4/11/2017	20:30	1704563-05	Hex	G	Center	Surface	17		N	ALS	1704563-05	SM 3500
4/12/2017	10:55	4/12/2017		1704657-01	Hex	A	West	Surface	<2	U	N	ALS	1704657-01	SM 3500
4/12/2017	10:55	4/12/2017		1704657-02	Hex	A	West	Mid Depth	<2	U	N	ALS	1704657-02	SM 3500
4/12/2017	10:57	4/12/2017		1704657-03	Hex	A	Center	Surface	<2	U	N	ALS	1704657-03	SM 3500
4/12/2017	10:57	4/12/2017		1704657-04	Hex	A	Center	Mid Depth	<2	U	N	ALS	1704657-04	SM 3500
4/12/2017	10:59	4/12/2017		1704657-05	Hex	A	East	Surface	<2	U	N	ALS	1704657-05	SM 3500
4/12/2017	10:59	4/12/2017		1704657-06	Hex	A	East	Mid Depth	3.1	J	N	ALS	1704657-06	SM 3500
4/12/2017	10:55	4/12/2017		1704657-01	Total	A	West	Surface	1.3	J	N	ALS	1704657-01	SM 200.8
4/12/2017	10:55	4/12/2017		1704657-02	Total	A	West	Mid Depth	1.7	J	N	ALS	1704657-02	SM 200.8
4/12/2017	10:57	4/12/2017		1704657-03	Total	A	Center	Surface	1.4	J	N	ALS	1704657-03	SM 200.8
4/12/2017	10:57	4/12/2017		1704657-04	Total	A	Center	Mid Depth	1.4	J	N	ALS	1704657-04	SM 200.8
4/12/2017	10:59	4/12/2017		1704657-05	Total	A	East	Surface	1.7	J	N	ALS	1704657-05	SM 200.8
4/12/2017	10:59	4/12/2017		1704657-06	Total	A	East	Mid Depth	1.4	J	N	ALS	1704657-06	SM 200.8
4/12/2017	11:19	4/12/2017		1704657-07	Hex	B	West	Surface	4.4		N	ALS	1704657-07	SM 3500
4/12/2017	11:19	4/12/2017		1704657-08	Hex	B	West	Mid Depth	5.6		N	ALS	1704657-08	SM 3500
4/12/2017	11:17	4/12/2017		1704657-09	Hex	B	Center	Surface	<2	U	N	ALS	1704657-09	SM 3500
4/12/2017	11:17	4/12/2017		1704657-10	Hex	B	Center	Mid Depth	<2	U	N	ALS	1704657-10	SM 3500
4/12/2017	11:15	4/12/2017		1704657-11	Hex	B	East	Surface	<2		N	ALS	1704657-11	SM 3500
4/12/2017	11:15	4/12/2017		1704657-12	Hex	B	East	Mid Depth	3.1	J	N	ALS	1704657-12	SM 3500
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4/12/2017	11:17	4/12/2017		1704657-09	Total	B	Center	Surface	1.4	J	N	ALS	1704657-09	SM 200.8
4/12/2017	11:17	4/12/2017		1704657-10	Total	B	Center	Mid Depth	1.5	J	N	ALS	1704657-10	SM 200.8
4/12/2017	11:15	4/12/2017		1704657-11	Total	B	East	Surface	1.3	J	N	ALS	1704657-11	SM 200.8
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4/12/2017	11:51	4/12/2017	1704657-30	Hex	E	East	Mid Depth	<2	U	N	ALS	1704657-30	SM 3500
4/12/2017	11:56	4/12/2017	1704657-25	Total	E	West	Surface	1.6	J	N	ALS	1704657-25	SM 200.8
4/12/2017	11:56	4/12/2017	1704657-26	Total	E	West	Mid Depth	1.6	J	N	ALS	1704657-26	SM 200.8
4/12/2017	11:54	4/12/2017	1704657-27	Total	E	Center	Surface	1.8	J	N	ALS	1704657-27	SM 200.8
4/12/2017	11:54	4/12/2017	1704657-28	Total	E	Center	Mid Depth	1.7	J	N	ALS	1704657-28	SM 200.8
4/12/2017	11:51	4/12/2017	1704657-29	Total	E	East	Surface	4.7	J	N	ALS	1704657-29	SM 200.8
4/12/2017	11:51	4/12/2017	1704657-30	Total	E	East	Mid Depth	3.6	J	N	ALS	1704657-30	SM 200.8
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4/12/2017	11:47	4/12/2017	1704657-36	Hex	F	East	Mid Depth	<2	U	N	ALS	1704657-36	SM 3500
4/12/2017	11:28	4/12/2017	1704657-31	Total	F	West	Surface	1.7	J	N	ALS	1704657-31	SM 200.8
4/12/2017	11:28	4/12/2017	1704657-32	Total	F	West	Mid Depth	2.4	J	N	ALS	1704657-32	SM 200.8
4/12/2017	11:45	4/12/2017	1704657-33	Total	F	Center	Surface	1.3	J	N	ALS	1704657-33	SM 200.8
4/12/2017	11:45	4/12/2017	1704657-34	Total	F	Center	Mid Depth	1.1	J	N	ALS	1704657-34	SM 200.8
4/12/2017	11:47	4/12/2017	1704657-35	Total	F	East	Surface	4.1	J	N	ALS	1704657-35	SM 200.8
4/12/2017	11:47	4/12/2017	1704657-36	Total	F	East	Mid Depth	5.6		N	ALS	1704657-36	SM 200.8
4/12/2017	11:30	4/12/2017	1704657-37	Hex	G	West	Surface	<2	U	N	ALS	1704657-37	SM 3500
4/12/2017	11:30	4/12/2017	1704657-38	Hex	G	West	Mid Depth	4.4	J	N	ALS	1704657-38	SM 3500
4/12/2017	11:43	4/12/2017	1704657-39	Hex	G	Center	Surface	3.1	J	N	ALS	1704657-39	SM 3500
4/12/2017	11:43	4/12/2017	1704657-40	Hex	G	Center	Mid Depth	<2	U	N	ALS	1704657-40	SM 3500
4/12/2017	11:40	4/12/2017	1704657-41	Hex	G	East	Surface	<2	U	N	ALS	1704657-41	SM 3500
4/12/2017	11:40	4/12/2017	1704657-42	Hex	G	East	Mid Depth	4.4	J	N	ALS	1704657-42	SM 3500
4/12/2017	11:30	4/12/2017	1704657-37	Total	G	West	Surface	2.2	J	N	ALS	1704657-37	SM 200.8
4/12/2017	11:30	4/12/2017	1704657-38	Total	G	West	Mid Depth	4.2	J	N	ALS	1704657-38	SM 200.8
4/12/2017	11:43	4/12/2017	1704657-39	Total	G	Center	Surface	4.6	J	N	ALS	1704657-39	SM 200.8
4/12/2017	11:43	4/12/2017	1704657-40	Total	G	Center	Mid Depth	4.7	J	N	ALS	1704657-40	SM 200.8
4/12/2017	11:40	4/12/2017	1704657-41	Total	G	East	Surface	5.3		N	ALS	1704657-41	SM 200.8
4/12/2017	11:40	4/12/2017	1704657-42	Total	G	East	Mid Depth	4.9	J	N	ALS	1704657-42	SM 200.8
4/12/2017	11:32	4/12/2017	1704657-43	Hex	H	West	Surface	<2	U	N	ALS	1704657-43	SM 3500
4/12/2017	11:32	4/12/2017	1704657-44	Hex	H	West	Mid Depth	<2	U	N	ALS	1704657-44	SM 3500
4/12/2017	11:35	4/12/2017	1704657-45	Hex	H	Center	Surface	<2	U	N	ALS	1704657-45	SM 3500
4/12/2017	11:35	4/12/2017	1704657-46	Hex	H	Center	Mid Depth	<2	U	N	ALS	1704657-46	SM 3500
4/12/2017	11:38	4/12/2017	1704657-47	Hex	H	East	Surface	<2	U	N	ALS	1704657-47	SM 3500
4/12/2017	11:38	4/12/2017	1704657-48	Hex	H	East	Mid Depth	<2	U	N	ALS	1704657-48	SM 3500
4/12/2017	11:32	4/12/2017	1704657-43	Total	H	West	Surface	5.7		N	ALS	1704657-43	SM 200.8
4/12/2017	11:32	4/12/2017	1704657-44	Total	H	West	Mid Depth	3.3	J	N	ALS	1704657-44	SM 200.8
4/12/2017	11:35	4/12/2017	1704657-45	Total	H	Center	Surface	7.3		N	ALS	1704657-45	SM 200.8
4/12/2017	11:35	4/12/2017	1704657-46	Total	H	Center	Mid Depth	9.3		N	ALS	1704657-46	SM 200.8
4/12/2017	11:38	4/12/2017	1704657-47	Total	H	East	Surface	6.4		N	ALS	1704657-47	SM 200.8
4/12/2017	11:38	4/12/2017	1704657-48	Total	H	East	Mid Depth	5.7		N	ALS	1704657-48	SM 200.8
4/12/2017	12:40	4/12/2017	1704657-49	Hex	Intake A			<2	U	N	ALS	1704657-49	SM 3500
4/12/2017	12:40	4/12/2017	1704657-50	Hex	Intake A - Dup			3.1	J	Y	ALS	1704657-50	SM 3500

4/12/2017	12:40	4/12/2017	1704657-51	Hex	Intake B	<2	U	N	ALS	1704657-51	SM 3500
4/12/2017	12:40	4/12/2017	1704657-49	Total	Intake A	0.68	J	N	ALS	1704657-49	SM 200.8
4/12/2017	12:40	4/12/2017	1704657-50	Total	Intake A - Dup	0.69	J	Y	ALS	1704657-50	SM 200.8
4/12/2017	12:40	4/12/2017	1704657-51	Total	Intake B	0.72	J	N	ALS	1704657-51	SM 200.8
4/12/2017	13:20	4/12/2017	1704657-52	Hex	500 Yards West A	<2	U	N	ALS	1704657-52	SM 3500
4/12/2017	13:20	4/12/2017	1704657-53	Hex	500 Yards West B	<2	U	N	ALS	1704657-53	SM 3500
4/12/2017	13:30	4/12/2017	1704657-54	Hex	250 Yards West A	<2	U	N	ALS	1704657-54	SM 3500
4/12/2017	13:30	4/12/2017	1704657-55	Hex	250 Yards West B	<2	U	N	ALS	1704657-55	SM 3500
4/12/2017	13:40	4/12/2017	1704657-56	Hex	250 Yards East A	<2	U	N	ALS	1704657-56	SM 3500
4/12/2017	13:40	4/12/2017	1704657-57	Hex	250 Yards East B	<2	U	N	ALS	1704657-57	SM 3500
4/12/2017	13:20	4/12/2017	1704657-52	Total	500 Yards West A	3.3	J	N	ALS	1704657-52	SM 200.8
4/12/2017	13:20	4/12/2017	1704657-53	Total	500 Yards West B	3.4	J	N	ALS	1704657-53	SM 200.8
4/12/2017	13:30	4/12/2017	1704657-54	Total	250 Yards West A	3.5	J	N	ALS	1704657-54	SM 200.8
4/12/2017	13:30	4/12/2017	1704657-55	Total	250 Yards West B	3.5	J	N	ALS	1704657-55	SM 200.8
4/12/2017	13:40	4/12/2017	1704657-56	Total	250 Yards East A	3.1	J	N	ALS	1704657-56	SM 200.8
4/12/2017	13:40	4/12/2017	1704657-57	Total	250 Yards East B	3.1	J	N	ALS	1704657-57	SM 200.8
4/12/2017		4/12/2017	1704662-1	Hex	EQ Out	3.1	J	N	ALS	1704662-1	SM 3500
4/12/2017		4/12/2017	1704662-2	Hex	004 Outfall	11		N	ALS	1704662-2	SM 3500
4/12/2017		4/12/2017	1704662-3	Hex	Mix Effluent	8.2		N	ALS	1704662-3	SM 3500
4/12/2017		4/12/2017	1704662-1	Total	EQ Out	51		N	ALS	1704662-1	SM 200.8
4/12/2017		4/12/2017	1704662-2	Total	004 Outfall	25		N	ALS	1704662-2	SM 200.8
4/12/2017		4/12/2017	1704662-3	Total	Mix Effluent	36		N	ALS	1704662-3	SM 200.8
4/12/2017		4/12/2017	1704662-1	Dissolved	EQ Out	2.6	J	N	ALS	1704662-1	SM 200.8
4/12/2017		4/12/2017	1704662-2	Dissolved	004 Outfall	12		N	ALS	1704662-2	SM 200.8
4/12/2017		4/12/2017	1704662-3	Dissolved	Mix Effluent	9.7		N	ALS	1704662-3	SM 200.8
4/12/2017	19:00	4/12/2017	1704663-1	Hex	004	17		N	ALS	1704663-1	SM 3500
4/12/2017	19:00	4/12/2017	1704663-2	Hex	104	48		N	ALS	1704663-2	SM 3500
4/12/2017	19:00	4/12/2017	1704663-3	Hex	204	3.1	J	N	ALS	1704663-3	SM 3500
4/12/2017	21:00	4/12/2017	1704663-4	Hex	004	11		N	ALS	1704663-4	SM 3500
4/12/2017	21:00	4/12/2017	1704663-5	Hex	104	4.4	J	N	ALS	1704663-5	SM 3500
4/12/2017	21:00	4/12/2017	1704663-6	Hex	204	4.4	J	N	ALS	1704663-6	SM 3500
4/12/2017	19:00	4/12/2017	1704663-1	Total	004	64		N	ALS	1704663-1	SM 200.8
4/12/2017	19:00	4/12/2017	1704663-2	Total	104	68		N	ALS	1704663-2	SM 200.8
4/12/2017	19:00	4/12/2017	1704663-3	Total	204	24		N	ALS	1704663-3	SM 200.8
4/12/2017	21:00	4/12/2017	1704663-4	Total	004	56		N	ALS	1704663-4	SM 200.8
4/12/2017	21:00	4/12/2017	1704663-5	Total	104	24		N	ALS	1704663-5	SM 200.8
4/12/2017	21:00	4/12/2017	1704663-6	Total	204	57		N	ALS	1704663-6	SM 200.8
4/12/2017	19:00	4/12/2017	1704663-1	Dissolved	004	28		N	ALS	1704663-1	SM 200.8
4/12/2017	19:00	4/12/2017	1704663-2	Dissolved	104	47		N	ALS	1704663-2	SM 200.8
4/12/2017	19:00	4/12/2017	1704663-3	Dissolved	204	8.1		N	ALS	1704663-3	SM 200.8
4/12/2017	21:00	4/12/2017	1704663-4	Dissolved	004	<0.55	U	N	ALS	1704663-4	SM 200.8
4/12/2017	21:00	4/12/2017	1704663-5	Dissolved	104	<0.55	U	N	ALS	1704663-5	SM 200.8
4/12/2017	21:00	4/12/2017	1704663-6	Dissolved	204	<0.55	U	N	ALS	1704663-6	SM 200.8
4/13/2017	1:00	4/13/2017	1704684-1	Hex	004	3.1	J	N	ALS	1704684-1	SM 3500
4/13/2017	1:00	4/13/2017	1704684-2	Hex	104	<2	U	N	ALS	1704684-2	SM 3500
4/13/2017	3:00	4/13/2017	1704684-3	Hex	004	<2	U	N	ALS	1704684-3	SM 3500
4/13/2017	3:00	4/13/2017	1704684-4	Hex	104	<2	U	N	ALS	1704684-4	SM 3500
4/13/2017	5:00	4/13/2017	1704684-5	Hex	004	<2	U	N	ALS	1704684-5	SM 3500
4/13/2017	5:00	4/13/2017	1704684-6	Hex	104	<2	U	N	ALS	1704684-6	SM 3500
4/13/2017	8:00	4/13/2017	1704684-7	Hex	004	<2	U	N	ALS	1704684-7	SM 3500
4/13/2017	8:00	4/13/2017	1704684-8	Hex	104	<2	U	N	ALS	1704684-8	SM 3500
4/13/2017	10:00	4/13/2017	1704684-9	Hex	004	<2	U	N	ALS	1704684-9	SM 3500
4/13/2017	10:00	4/13/2017	1704684-10	Hex	104	<2	U	N	ALS	1704684-10	SM 3500
4/13/2017	12:00	4/13/2017	1704684-11	Hex	104	<2	U	N	ALS	1704684-11	SM 3500
4/13/2017	12:00	4/13/2017	1704684-12	Hex	004	<2	U	N	ALS	1704684-12	SM 3500
4/13/2017	14:00	4/13/2017	1704684-13	Hex	104	<2	U	N	ALS	1704684-13	SM 3500
4/13/2017	14:00	4/13/2017	1704684-14	Hex	004	<2	U	N	ALS	1704684-14	SM 3500

4/13/2017	14:00	4/13/2017	1704684-15	Hex	Intake	<2	U	N	ALS	1704684-15	SM 3500
4/13/2017	15:15	4/13/2017	1704684-16	Hex	South Floc Basin Grab	<2	U	N	ALS	1704684-16	SM 3500
4/13/2017	15:15	4/13/2017	1704684-17	Hex	North Floc Basin Grab	<2	U	N	ALS	1704684-17	SM 3500
4/13/2017	15:15	4/13/2017	1704684-18	Hex	Center Floc Basin Grab	<2	U	N	ALS	1704684-18	SM 3500
4/13/2017	16:00	4/13/2017	1704684-19	Hex	004	<2	U	N	ALS	1704684-19	SM 3500
4/13/2017	16:00	4/13/2017	1704684-20	Hex	104	<2	U	N	ALS	1704684-20	SM 3500
4/13/2017	18:00	4/13/2017	1704684-21	Hex	004	<2	U	N	ALS	1704684-21	SM 3500
4/13/2017	18:00	4/13/2017	1704684-22	Hex	104	<2	U	N	ALS	1704684-22	SM 3500
4/13/2017	20:00	4/14/2017	1704684-23	Hex	104	<2	U	N	ALS	1704684-23	SM 3500
4/13/2017	20:00	4/14/2017	1704684-24	Hex	004	<2	U	N	ALS	1704684-24	SM 3500
4/13/2017	22:00	4/14/2017	1704684-25	Hex	104	<2	U	N	ALS	1704684-25	SM 3500
4/13/2017	22:00	4/14/2017	1704684-26	Hex	004	<2	U	N	ALS	1704684-26	SM 3500
4/14/2017	0:00	4/14/2017	1704684-27	Hex	104	<2	U	N	ALS	1704684-27	SM 3500
4/14/2017	0:00	4/14/2017	1704684-28	Hex	004	<2	U	N	ALS	1704684-28	SM 3500
4/14/2017	2:00	4/14/2017	1704684-29	Hex	104	<2	U	N	ALS	1704684-29	SM 3500
4/14/2017	2:00	4/14/2017	1704684-30	Hex	004	<2	U	N	ALS	1704684-30	SM 3500
4/14/2017	4:00	4/14/2017	1704684-31	Hex	104	<2	U	N	ALS	1704684-31	SM 3500
4/14/2017	4:00	4/14/2017	1704684-32	Hex	004	<2	U	N	ALS	1704684-32	SM 3500
4/14/2017	6:00	4/14/2017	1704684-33	Hex	104	<2	U	N	ALS	1704684-33	SM 3500
4/14/2017	6:00	4/14/2017	1704684-34	Hex	004	<2	U	N	ALS	1704684-34	SM 3500
4/14/2017	8:00	4/14/2017	1704789-1	Hex	104	<2	U	N	ALS	1704789-1	SM 3500
4/14/2017	8:00	4/14/2017	1704789-2	Hex	004	<2	U	N	ALS	1704789-2	SM 3500
4/14/2017	10:00	4/14/2017	1704789-3	Hex	104	<2	U	N	ALS	1704789-3	SM 3500
4/14/2017	10:00	4/14/2017	1704789-4	Hex	004	<2	U	N	ALS	1704789-4	SM 3500
4/14/2017	12:00	4/14/2017	1704789-5	Hex	104	<2	U	N	ALS	1704789-5	SM 3500
4/14/2017	12:00	4/14/2017	1704789-6	Hex	004	<2	U	N	ALS	1704789-6	SM 3500
4/14/2017	14:00	4/14/2017	1704789-7	Hex	104	<2	U	N	ALS	1704789-7	SM 3500
4/14/2017	14:00	4/14/2017	1704789-8	Hex	004	<2	U	N	ALS	1704789-8	SM 3500
4/14/2017	13:50	4/14/2017	1704789-9	Hex	FINAL TREAT INF SUMP	<2	U	N	ALS	1704789-9	SM 3500
4/14/2017	16:00	4/14/2017	1704789-10	Hex	104	<2	U	N	ALS	1704789-10	SM 3500
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4/13/2017	1:00	4/13/2017	1704684-1	Total	004	14		N	ALS	1704684-1	SM 200.8
4/13/2017	1:00	4/13/2017	1704684-2	Total	104	24		N	ALS	1704684-2	SM 200.8
4/13/2017	3:00	4/13/2017	1704684-3	Total	004	2.2	J	N	ALS	1704684-3	SM 200.8
4/13/2017	3:00	4/13/2017	1704684-4	Total	104	12		N	ALS	1704684-4	SM 200.8
4/13/2017	5:00	4/13/2017	1704684-5	Total	004	1.7	J	N	ALS	1704684-5	SM 200.8
4/13/2017	5:00	4/13/2017	1704684-6	Total	104	25		N	ALS	1704684-6	SM 200.8
4/13/2017	8:00	4/13/2017	1704684-7	Total	004	2.1	J	N	ALS	1704684-7	SM 200.8
4/13/2017	8:00	4/13/2017	1704684-8	Total	104	15		N	ALS	1704684-8	SM 200.8
4/13/2017	10:00	4/13/2017	1704684-9	Total	004	83		N	ALS	1704684-9	SM 200.8
4/13/2017	10:00	4/13/2017	1704684-10	Total	104	3.1	J	N	ALS	1704684-10	SM 200.8
4/13/2017	12:00	4/13/2017	1704684-11	Total	104	1.8	J	N	ALS	1704684-11	SM 200.8
4/13/2017	12:00	4/13/2017	1704684-12	Total	004	3.4	J	N	ALS	1704684-12	SM 200.8
4/13/2017	14:00	4/13/2017	1704684-13	Total	104	2.5	J	N	ALS	1704684-13	SM 200.8
4/13/2017	14:00	4/13/2017	1704684-14	Total	004	30		N	ALS	1704684-14	SM 200.8
4/13/2017	14:00	4/13/2017	1704684-15	Total	Intake	0.81	J	N	ALS	1704684-15	SM 200.8
4/13/2017	15:15	4/13/2017	1704684-16	Total	South Floc Basin Grab	26		N	ALS	1704684-16	SM 200.8
4/13/2017	15:15	4/13/2017	1704684-17	Total	North Floc Basin Grab	17		N	ALS	1704684-17	SM 200.8
4/13/2017	15:15	4/13/2017	1704684-18	Total	Center Floc Basin Grab	23		N	ALS	1704684-18	SM 200.8
4/13/2017	16:00	4/13/2017	1704684-19	Total	004	10		N	ALS	1704684-19	SM 200.8
4/13/2017	16:00	4/13/2017	1704684-20	Total	104	4.0	J	N	ALS	1704684-20	SM 200.8
4/13/2017	18:00	4/13/2017	1704684-21	Total	004	2.7	J	N	ALS	1704684-21	SM 200.8
4/13/2017	18:00	4/13/2017	1704684-22	Total	104	4.4	J	N	ALS	1704684-22	SM 200.8
4/13/2017	20:00	4/14/2017	1704684-23	Total	104	2.2	J	N	ALS	1704684-23	SM 200.8
4/13/2017	20:00	4/14/2017	1704684-24	Total	004	7.5		N	ALS	1704684-24	SM 200.8
4/13/2017	22:00	4/14/2017	1704684-25	Total	104	2.0	J	N	ALS	1704684-25	SM 200.8
4/13/2017	22:00	4/14/2017	1704684-26	Total	004	49		N	ALS	1704684-26	SM 200.8
4/14/2017	0:00	4/14/2017	1704684-27	Total	104	1.4	J	N	ALS	1704684-27	SM 200.8
4/14/2017	0:00	4/14/2017	1704684-28	Total	004	40		N	ALS	1704684-28	SM 200.8
4/14/2017	2:00	4/14/2017	1704684-29	Total	104	1.6	J	N	ALS	1704684-29	SM 200.8

4/14/2017	2:00	4/14/2017	1704684-30	Total	004			6.3		N	ALS	1704684-30	SM 200.8
4/14/2017	4:00	4/14/2017	1704684-31	Total	104			1.5	J	N	ALS	1704684-31	SM 200.8
4/14/2017	4:00	4/14/2017	1704684-32	Total	004			11		N	ALS	1704684-32	SM 200.8
4/14/2017	6:00	4/14/2017	1704684-33	Total	104			1.9	J	N	ALS	1704684-33	SM 200.8
4/14/2017	6:00	4/14/2017	1704684-34	Total	004			5.7		N	ALS	1704684-34	SM 200.8
4/14/2017	8:00	4/14/2017	1704789-1	Total	104			4.9	J	N	ALS	1704789-1	SM 200.8
4/14/2017	8:00	4/14/2017	1704789-2	Total	004			2.4	J	N	ALS	1704789-2	SM 200.8
4/14/2017	10:00	4/14/2017	1704789-3	Total	104			5.0		N	ALS	1704789-3	SM 200.8
4/14/2017	10:00	4/14/2017	1704789-4	Total	004			2.2	J	N	ALS	1704789-4	SM 200.8
4/14/2017	12:00	4/14/2017	1704789-5	Total	104			10		N	ALS	1704789-5	SM 200.8
4/14/2017	12:00	4/14/2017	1704789-6	Total	004			1.9	J	N	ALS	1704789-6	SM 200.8
4/14/2017	14:00	4/14/2017	1704789-7	Total	104			20		N	ALS	1704789-7	SM 200.8
4/14/2017	14:00	4/14/2017	1704789-8	Total	004			5.2		N	ALS	1704789-8	SM 200.8
4/14/2017	14:00	4/14/2017	1704789-9	Total	FINAL TREAT INF SUMP			9.7		N	ALS	1704789-9	SM 200.8
4/14/2017	16:00	4/14/2017	1704789-10	Total	104			11		N	ALS	1704789-10	SM 200.8
4/14/2017	16:00	4/14/2017	1704789-11	Total	004			2.7		N	ALS	1704789-11	SM 200.8
4/13/2017	1:00	4/13/2017	1704684-1	Dissolved	004			<0.11		N	ALS	1704684-1	SM 200.8
4/13/2017	1:00	4/13/2017	1704684-2	Dissolved	104			<0.11		N	ALS	1704684-2	SM 200.8
4/13/2017	3:00	4/13/2017	1704684-3	Dissolved	204			<0.11		N	ALS	1704684-3	SM 200.8
4/13/2017	3:00	4/13/2017	1704684-4	Dissolved	004			0.89		N	ALS	1704684-4	SM 200.8
4/13/2017	5:00	4/13/2017	1704684-5	Dissolved	104			<0.11		N	ALS	1704684-5	SM 200.8
4/13/2017	5:00	4/13/2017	1704684-6	Dissolved	204			1.8	J	N	ALS	1704684-6	SM 200.8
4/13/2017	8:00	4/13/2017	1704684-7	Dissolved	104			<0.11		N	ALS	1704684-7	SM 200.8
4/13/2017	8:00	4/13/2017	1704684-8	Dissolved	204			1.9	J	N	ALS	1704684-8	SM 200.8
4/13/2017	11:08	4/14/2017	1704744-01	Hex	A	West	Surface	<2	U	N	ALS	1704744-01	SM 3500
4/13/2017	11:08	4/14/2017	1704744-02	Hex	A	West	Mid Depth	<2	U	N	ALS	1704744-02	SM 3500
4/13/2017	11:05	4/14/2017	1704744-03	Hex	A	Center	Surface	<2	U	N	ALS	1704744-03	SM 3500
4/13/2017	11:05	4/14/2017	1704744-04	Hex	A	Center	Mid Depth	<2	U	N	ALS	1704744-04	SM 3500
4/13/2017	11:00	4/14/2017	1704744-05	Hex	A	East	Surface	<2	U	N	ALS	1704744-05	SM 3500
4/13/2017	11:00	4/14/2017	1704744-06	Hex	A	East	Surface	<2	U	Y	ALS	1704744-06	SM 3500
4/13/2017	11:00	4/14/2017	1704744-07	Hex	A	East	Mid Depth	<2	U	N	ALS	1704744-07	SM 3500
4/13/2017	11:08	4/14/2017	1704744-01	Total	A	West	Surface	0.93	J	N	ALS	1704744-01	SM 200.8
4/13/2017	11:08	4/14/2017	1704744-02	Total	A	West	Mid Depth	1.3	J	N	ALS	1704744-02	SM 200.8
4/13/2017	11:05	4/14/2017	1704744-03	Total	A	Center	Surface	1.1	J	N	ALS	1704744-03	SM 200.8
4/13/2017	11:05	4/14/2017	1704744-04	Total	A	Center	Mid Depth	1.2	J	N	ALS	1704744-04	SM 200.8
4/13/2017	11:00	4/14/2017	1704744-05	Total	A	East	Surface	0.88	J	N	ALS	1704744-05	SM 200.8
4/13/2017	11:00	4/14/2017	1704744-06	Total	A	East	Surface	1.3	J	Y	ALS	1704744-06	SM 200.8
4/13/2017	11:00	4/14/2017	1704744-07	Total	A	East	Mid Depth	1.3	J	N	ALS	1704744-07	SM 3500
4/13/2017	11:22	4/14/2017	1704744-08	Hex	B	West	Surface	<2	U	N	ALS	1704744-08	SM 3500
4/13/2017	11:22	4/14/2017	1704744-09	Hex	B	West	Mid Depth	<2	U	N	ALS	1704744-09	SM 3500
4/13/2017	11:20	4/14/2017	1704744-10	Hex	B	Center	Surface	<2	U	N	ALS	1704744-10	SM 3500
4/13/2017	11:20	4/14/2017	1704744-11	Hex	B	Center	Mid Depth	<2	U	N	ALS	1704744-11	SM 3500
4/13/2017	11:18	4/14/2017	1704744-75	Hex	B	East	Surface	<2	U	N	ALS	1704744-75	SM 3500
4/13/2017	11:18	4/14/2017	1704744-76	Hex	B	East	Mid Depth	<2	U	N	ALS	1704744-76	SM 3500
4/13/2017	11:22	4/14/2017	1704744-08	Total	B	West	Surface	0.96	J	N	ALS	1704744-08	SM 200.8
4/13/2017	11:22	4/14/2017	1704744-09	Total	B	West	Mid Depth	2.4	J	N	ALS	1704744-09	SM 200.8
4/13/2017	11:20	4/14/2017	1704744-10	Total	B	Center	Surface	0.99	J	N	ALS	1704744-10	SM 200.8
4/13/2017	11:20	4/14/2017	1704744-11	Total	B	Center	Mid Depth	1.2	J	N	ALS	1704744-11	SM 200.8
4/13/2017	11:18	4/14/2017	1704744-75	Total	B	East	Surface	0.94	J	N	ALS	1704744-75	SM 200.8
4/13/2017	11:18	4/14/2017	1704744-76	Total	B	East	Mid Depth	1.1	J	N	ALS	1704744-76	SM 200.8
4/13/2017	12:30	4/14/2017	1704744-12	Hex	C	West	Surface	<2	U	N	ALS	1704744-12	SM 3500
4/13/2017	12:30	4/14/2017	1704744-13	Hex	C	West	Mid Depth	<2	U	N	ALS	1704744-13	SM 3500
4/13/2017	12:26	4/14/2017	1704744-14	Hex	C	Center	Surface	<2	U	N	ALS	1704744-14	SM 3500
4/13/2017	12:26	4/14/2017	1704744-15	Hex	C	Center	Mid Depth	<2	U	N	ALS	1704744-15	SM 3500
4/13/2017	12:30	4/14/2017	1704744-16	Hex	C	West	Surface	<2	U	FD	ALS	1704744-16	SM 3500
4/13/2017	12:22	4/14/2017	1704744-17	Hex	C	East	Surface	<2	U	N	ALS	1704744-17	SM 3500
4/13/2017	12:22	4/14/2017	1704744-18	Hex	C	East	Mid Depth	<2	U	N	ALS	1704744-18	SM 3500
4/13/2017	12:30	4/14/2017	1704744-12	Total	C	West	Surface	1.1	J	N	ALS	1704744-12	SM 200.8
4/13/2017	12:30	4/14/2017	1704744-13	Total	C	West	Mid Depth	0.89	J	N	ALS	1704744-13	SM 200.8

4/13/2017	12:26	4/14/2017	1704744-14	Total	C	Center	Surface	0.83	J	N	ALS	1704744-14	SM 200.8
4/13/2017	12:26	4/14/2017	1704744-15	Total	C	Center	Mid Depth	0.88	J	N	ALS	1704744-15	SM 200.8
4/13/2017	12:30	4/14/2017	1704744-16	Total	C	West	Surface	0.85	J	Y	ALS	1704744-16	SM 200.8
4/13/2017	12:22	4/14/2017	1704744-17	Total	C	East	Surface	1.6	J	N	ALS	1704744-17	SM 200.8
4/13/2017	12:22	4/14/2017	1704744-18	Total	C	East	Mid Depth	1.5	J	N	ALS	1704744-18	SM 200.8
4/13/2017	12:10	4/14/2017	1704744-19	Hex	D	West	Surface	<2	U	N	ALS	1704744-19	SM 3500
4/13/2017	12:10	4/14/2017	1704744-20	Hex	D	West	Mid Depth	<2	U	N	ALS	1704744-20	SM 3500
4/13/2017	12:14	4/14/2017	1704744-21	Hex	D	Center	Surface	<2	U	N	ALS	1704744-21	SM 3500
4/13/2017	12:14	4/14/2017	1704744-22	Hex	D	Center	Mid Depth	<2	U	N	ALS	1704744-22	SM 3500
4/13/2017	12:18	4/14/2017	1704744-23	Hex	D	East	Surface	<2	U	N	ALS	1704744-23	SM 3500
4/13/2017	12:18	4/14/2017	1704744-24	Hex	D	East	Mid Depth	<2	U	N	ALS	1704744-24	SM 3500
4/13/2017	12:10	4/14/2017	1704744-19	Total	D	West	Surface	0.97	J	N	ALS	1704744-19	SM 200.8
4/13/2017	12:10	4/14/2017	1704744-20	Total	D	West	Mid Depth	<0.11		N	ALS	1704744-20	SM 200.8
4/13/2017	12:14	4/14/2017	1704744-21	Total	D	Center	Surface	0.70	J	N	ALS	1704744-21	SM 200.8
4/13/2017	12:14	4/14/2017	1704744-22	Total	D	Center	Mid Depth	1.0	J	N	ALS	1704744-22	SM 200.8
4/13/2017	12:18	4/14/2017	1704744-23	Total	D	East	Surface	0.87	J	N	ALS	1704744-23	SM 200.8
4/13/2017	12:18	4/14/2017	1704744-24	Total	D	East	Mid Depth	0.90	J	N	ALS	1704744-24	SM 200.8
4/13/2017	12:10	4/14/2017	1704744-25	Hex	E	West	Surface	<2	U	N	ALS	1704744-25	SM 3500
4/13/2017	12:00	4/14/2017	1704744-26	Hex	E	West	Mid Depth	<2	U	N	ALS	1704744-26	SM 3500
4/13/2017	12:06	4/14/2017	1704744-27	Hex	E	Center	Surface	<2	U	N	ALS	1704744-27	SM 3500
4/13/2017	12:06	4/14/2017	1704744-28	Hex	E	Center	Mid Depth	<2	U	N	ALS	1704744-28	SM 3500
4/13/2017	12:02	4/14/2017	1704744-29	Hex	E	East	Surface	<2	U	N	ALS	1704744-29	SM 3500
4/13/2017	12:02	4/14/2017	1704744-30	Hex	E	East	Mid Depth	<2	U	N	ALS	1704744-30	SM 3500
4/13/2017	12:10	4/14/2017	1704744-25	Total	E	West	Surface	2.0	J	N	ALS	1704744-25	SM 200.8
4/13/2017	12:00	4/14/2017	1704744-26	Total	E	West	Mid Depth	2.0	J	N	ALS	1704744-26	SM 200.8
4/13/2017	12:06	4/14/2017	1704744-27	Total	E	Center	Surface	0.99	J	N	ALS	1704744-27	SM 200.8
4/13/2017	12:06	4/14/2017	1704744-28	Total	E	Center	Mid Depth	1.4	J	N	ALS	1704744-28	SM 200.8
4/13/2017	12:02	4/14/2017	1704744-29	Total	E	East	Surface	1.1	J	N	ALS	1704744-29	SM 200.8
4/13/2017	12:02	4/14/2017	1704744-30	Total	E	East	Mid Depth	1.4	J	N	ALS	1704744-30	SM 200.8
4/13/2017	11:50	4/14/2017	1704744-31	Hex	F	West	Surface	<2	U	N	ALS	1704744-31	SM 3500
4/13/2017	11:50	4/14/2017	1704744-32	Hex	F	West	Mid Depth	<2	U	N	ALS	1704744-32	SM 3500
4/13/2017	11:50	4/14/2017	1704744-33	Hex	F	West	Mid Depth	<2	U	Y	ALS	1704744-33	SM 3500
4/13/2017	11:54	4/14/2017	1704744-34	Hex	F	Center	Surface	<2	U	N	ALS	1704744-34	SM 3500
4/13/2017	11:54	4/14/2017	1704744-35	Hex	F	Center	Mid Depth	<2	U	N	ALS	1704744-35	SM 3500
4/13/2017	11:58	4/14/2017	1704744-36	Hex	F	East	Surface	<2	U	N	ALS	1704744-36	SM 3500
4/13/2017	11:58	4/14/2017	1704744-37	Hex	F	East	Mid Depth	<2	U	N	ALS	1704744-37	SM 3500
4/13/2017	11:58	4/14/2017	1704744-38	Hex	F	East	Surface	<2	U	Y	ALS	1704744-38	SM 3500
4/13/2017	11:50	4/14/2017	1704744-31	Total	F	West	Surface	1.2	J	N	ALS	1704744-31	SM 200.8
4/13/2017	11:50	4/14/2017	1704744-32	Total	F	West	Mid Depth	1.4	J	N	ALS	1704744-32	SM 200.8
4/13/2017	11:50	4/14/2017	1704744-33	Total	F	West	Mid Depth	1.3	J	Y	ALS	1704744-33	SM 200.8
4/13/2017	11:54	4/14/2017	1704744-34	Total	F	Center	Surface	1.6	J	N	ALS	1704744-34	SM 200.8
4/13/2017	11:54	4/14/2017	1704744-35	Total	F	Center	Mid Depth	1.7	J	N	ALS	1704744-35	SM 200.8
4/13/2017	11:58	4/14/2017	1704744-36	Total	F	East	Surface	1.5	J	N	ALS	1704744-36	SM 200.8
4/13/2017	11:58	4/14/2017	1704744-37	Total	F	East	Mid Depth	1.5	J	N	ALS	1704744-37	SM 200.8
4/13/2017	11:58	4/14/2017	1704744-38	Total	F	East	Surface	2.2	J	Y	ALS	1704744-38	SM 200.8
4/13/2017	11:48	4/14/2017	1704744-39	Hex	G	West	Surface	<2	U	N	ALS	1704744-39	SM 3500
4/13/2017	11:48	4/14/2017	1704744-40	Hex	G	West	Mid Depth	<2	U	N	ALS	1704744-40	SM 3500
4/13/2017	11:48	4/14/2017	1704744-74	Hex	G	West	Mid Depth	<2	U	Y	ALS	1704744-74	SM 3500
4/13/2017	11:44	4/14/2017	1704744-41	Hex	G	Center	Surface	<2	U	N	ALS	1704744-41	SM 3500
4/13/2017	11:44	4/14/2017	1704744-42	Hex	G	Center	Mid Depth	<2	U	N	ALS	1704744-42	SM 3500
4/13/2017	11:42	4/14/2017	1704744-43	Hex	G	East	Surface	<2	U	N	ALS	1704744-43	SM 3500
4/13/2017	11:42	4/14/2017	1704744-44	Hex	G	East	Mid Depth	<2	U	N	ALS	1704744-44	SM 3500
4/13/2017	11:48	4/14/2017	1704744-39	Total	G	West	Surface	1.5	J	N	ALS	1704744-39	SM 200.8
4/13/2017	11:48	4/14/2017	1704744-40	Total	G	West	Mid Depth	1.3	J	N	ALS	1704744-40	SM 200.8
4/13/2017	11:48	4/14/2017	1704744-74	Total	G	West	Mid Depth	1.4	J	Y	ALS	1704744-74	SM 200.8
4/13/2017	11:44	4/14/2017	1704744-41	Total	G	Center	Surface	1.7	J	N	ALS	1704744-41	SM 200.8
4/13/2017	11:44	4/14/2017	1704744-42	Total	G	Center	Mid Depth	1.8	J	N	ALS	1704744-42	SM 200.8
4/13/2017	11:42	4/14/2017	1704744-43	Total	G	East	Surface	2.0	J	N	ALS	1704744-43	SM 200.8
4/13/2017	11:42	4/14/2017	1704744-44	Total	G	East	Mid Depth	2.0	J	N	ALS	1704744-44	SM 200.8
4/13/2017	11:30	4/14/2017	1704744-45	Hex	H	West	Surface	<2	U	N	ALS	1704744-45	SM 3500

4/13/2017	11:30	4/14/2017	1704744-46	Hex	H	West	Mid Depth	<2	U	N	ALS	1704744-46	SM 3500
4/13/2017	11:33	4/14/2017	1704744-47	Hex	H	Center	Surface	<2	U	N	ALS	1704744-47	SM 3500
4/13/2017	11:33	4/14/2017	1704744-48	Hex	H	Center	Mid Depth	<2	U	N	ALS	1704744-48	SM 3500
4/13/2017	11:36	4/14/2017	1704744-49	Hex	H	East	Surface	<2	U	N	ALS	1704744-49	SM 3500
4/13/2017	11:36	4/14/2017	1704744-50	Hex	H	East	Mid Depth	<2	U	N	ALS	1704744-50	SM 3500
4/13/2017	11:30	4/14/2017	1704744-45	Total	H	West	Surface	1.7	J	N	ALS	1704744-45	SM 200.8
4/13/2017	11:30	4/14/2017	1704744-46	Total	H	West	Mid Depth	1.7	J	N	ALS	1704744-46	SM 200.8
4/13/2017	11:33	4/14/2017	1704744-47	Total	H	Center	Surface	2.0	J	N	ALS	1704744-47	SM 200.8
4/13/2017	11:33	4/14/2017	1704744-48	Total	H	Center	Mid Depth	11		N	ALS	1704744-48	SM 200.8
4/13/2017	11:36	4/14/2017	1704744-49	Total	H	East	Surface	0.91	J	N	ALS	1704744-49	SM 200.8
4/13/2017	11:36	4/14/2017	1704744-50	Total	H	East	Mid Depth	1.0	J	N	ALS	1704744-50	SM 200.8
4/13/2017	12:43	4/14/2017	1704744-51	Hex	Intake A			<2	U	N	ALS	1704744-51	SM 3500
4/13/2017	12:43	4/14/2017	1704744-52	Hex	Intake A - Dup			<2	U	Y	ALS	1704744-52	SM 3500
4/13/2017	12:43	4/14/2017	1704744-53	Hex	Intake B			<2	U	N	ALS	1704744-53	SM 3500
4/13/2017	12:43	4/14/2017	1704744-51	Total	Intake A			0.94	J	N	ALS	1704744-51	SM 200.8
4/13/2017	12:43	4/14/2017	1704744-52	Total	Intake A - Dup			0.97	J	Y	ALS	1704744-52	SM 200.8
4/13/2017	12:43	4/14/2017	1704744-53	Total	Intake B			1.0	J	N	ALS	1704744-53	SM 200.8
4/13/2017	12:55	4/14/2017	1704744-54	Hex	500 Yards West A			<2	U	N	ALS	1704744-54	SM 3500
4/13/2017	12:55	4/14/2017	1704744-56	Hex	500 Yards West A - DUP			<2	U	Y	ALS	1704744-56	SM 3500
4/13/2017	12:55	4/14/2017	1704744-57	Hex	500 Yards West B - DUP			<2	U	Y	ALS	1704744-57	SM 3500
4/13/2017	12:55	4/14/2017	1704744-58	Hex	500 Yards West B			<2	U	N	ALS	1704744-58	SM 3500
4/13/2017	13:15	4/14/2017	1704744-61	Hex	250 Yards West A			<2	U	N	ALS	1704744-61	SM 3500
4/13/2017	13:15	4/14/2017	1704744-62	Hex	250 Yards West B			<2	U	N	ALS	1704744-62	SM 3500
4/13/2017	13:15	4/14/2017	1704744-65	Hex	250 Yards West B - DUP			<2	U	Y	ALS	1704744-65	SM 3500
4/13/2017	12:55	4/14/2017	1704744-54	Total	500 Yards West A			0.80	J	N	ALS	1704744-54	SM 200.8
4/13/2017	12:55	4/14/2017	1704744-56	Total	500 Yards West A - DUP			0.87	J	Y	ALS	1704744-56	SM 200.8
4/13/2017	12:55	4/14/2017	1704744-57	Total	500 Yards West B - DUP			0.88	J	Y	ALS	1704744-57	SM 200.8
4/13/2017	12:55	4/14/2017	1704744-58	Total	500 Yards West B					N	ALS	1704744-58	SM 200.8
4/13/2017	13:15	4/14/2017	1704744-61	Total	250 Yards West A			0.78	J	N	ALS	1704744-61	SM 200.8
4/13/2017	13:15	4/14/2017	1704744-62	Total	250 Yards West B			0.86	J	N	ALS	1704744-62	SM 200.8
4/13/2017	13:15	4/14/2017	1704744-65	Total	250 Yards West B - DUP			1.0	J	Y	ALS	1704744-65	SM 200.8
4/13/2017	13:15	4/14/2017	1704744-66	Hex	250 Yards East A			<2	U	N	ALS	1704744-66	SM 3500
4/13/2017	13:15	4/14/2017	1704744-67	Hex	250 Yards East A - DUP			<2	U	N	ALS	1704744-67	SM 3500
4/13/2017	13:28	4/14/2017	1704744-68	Hex	250 Yards East B			<2	U	N	ALS	1704744-68	SM 3500
4/13/2017	13:28	4/14/2017	1704744-69	Hex	500 Yards East A			<2	U	N	ALS	1704744-69	SM 3500
4/13/2017	13:39	4/14/2017	1704744-71	Hex	500 Yards East B			<2	U	N	ALS	1704744-71	SM 3500
4/13/2017	13:39	4/14/2017	1704744-73	Hex	500 Yards East B - Dup			<2	U	Y	ALS	1704744-73	SM 3500
4/13/2017	13:15	4/14/2017	1704744-66	Total	250 Yards East A			0.79	J	N	ALS	1704744-66	SM 200.8
4/13/2017	13:15	4/14/2017	1704744-67	Total	250 Yards East A - DUP			0.77	J	N	ALS	1704744-67	SM 200.8
4/13/2017	13:28	4/14/2017	1704744-68	Total	250 Yards East B			0.73	J	N	ALS	1704744-68	SM 200.8
4/13/2017	13:28	4/14/2017	1704744-69	Total	500 Yards East A			0.77	J	N	ALS	1704744-69	SM 200.8
4/13/2017	13:39	4/14/2017	1704744-71	Total	500 Yards East B			0.69	J	N	ALS	1704744-71	SM 200.8
4/13/2017	13:39	4/14/2017	1704744-73	Total	500 Yards East B - Dup			0.77	J	Y	ALS	1704744-73	SM 200.8
4/14/2017	16:00	4/14/2017	1704789-10	Hex	004			<2	U	N	ALS	1704789-10	SM 3500
4/14/2017	16:00	4/14/2017	1704789-11	Hex	Basin EFF			<2	U	N	ALS	1704789-11	SM 3500
4/14/2017	16:00	4/14/2017	1704789-12	Hex	Final Treat INF Sump			<2	U	N	ALS	1704789-12	SM 3500
4/14/2017	18:00	4/14/2017	1704789-13	Hex	004			<2	U	N	ALS	1704789-13	SM 3500
4/14/2017	18:00	4/14/2017	1704789-14	Hex	Basin EFF			<2	U	N	ALS	1704789-14	SM 3500
4/14/2017	18:00	4/14/2017	1704789-15	Hex	Final Treat INF Sump			<2	U	N	ALS	1704789-15	SM 3500
4/14/2017	20:00	4/14/2017	1704789-16	Hex	004			<2	U	N	ALS	1704789-16	SM 3500
4/14/2017	20:00	4/14/2017	1704789-17	Hex	Basin EFF			<2	U	N	ALS	1704789-17	SM 3500
4/14/2017	20:00	4/14/2017	1704789-18	Hex	Final Treat INF Sump			<2	U	N	ALS	1704789-18	SM 3500
4/14/2017	22:00	4/14/2017	1704789-19	Hex	004			<2	U	N	ALS	1704789-19	SM 3500
4/14/2017	22:00	4/14/2017	1704789-20	Hex	Basin EFF			<2	U	N	ALS	1704789-20	SM 3500
4/14/2017	22:00	4/14/2017	1704789-21	Hex	Final Treat INF Sump			<2	U	N	ALS	1704789-21	SM 3500
4/15/2017	0:00	4/15/2017	1704789-22	Hex	004			<2	U	N	ALS	1704789-22	SM 3500
4/15/2017	0:00	4/15/2017	1704789-23	Hex	Basin EFF			<2	U	N	ALS	1704789-23	SM 3500
4/15/2017	0:00	4/15/2017	1704789-24	Hex	Final Treat INF Sump			<2	U	N	ALS	1704789-24	SM 3500

4/15/2017	2:00	4/15/2017	1704789-25	Hex	004	<2	U	N	ALS	1704789-25	SM 3500
4/15/2017	2:00	4/15/2017	1704789-26	Hex	Basin EFF	<2	U	N	ALS	1704789-26	SM 3500
4/15/2017	2:00	4/15/2017	1704789-27	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-27	SM 3500
4/15/2017	4:00	4/15/2017	1704789-28	Hex	004	<2	U	N	ALS	1704789-28	SM 3500
4/15/2017	4:00	4/15/2017	1704789-29	Hex	Basin EFF	<2	U	N	ALS	1704789-29	SM 3500
4/15/2017	4:00	4/15/2017	1704789-30	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-30	SM 3500
4/15/2017	6:00	4/15/2017	1704789-31	Hex	004	<2	U	N	ALS	1704789-31	SM 3500
4/15/2017	6:00	4/15/2017	1704789-32	Hex	Basin EFF	<2	U	N	ALS	1704789-32	SM 3500
4/15/2017	6:00	4/15/2017	1704789-33	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-33	SM 3500
4/14/2017	16:00	4/14/2017	1704789-10	Total	004	11		N	ALS	1704789-10	SM 200.8
4/14/2017	16:00	4/14/2017	1704789-11	Total	Basin EFF	2.7		N	ALS	1704789-11	SM 200.8
4/14/2017	16:00	4/14/2017	1704789-12	Total	Final Treat INF Sump	62		N	ALS	1704789-12	SM 200.8
4/14/2017	18:00	4/14/2017	1704789-13	Total	004	7.6		N	ALS	1704789-13	SM 200.8
4/14/2017	18:00	4/14/2017	1704789-14	Total	Basin EFF	2.6		N	ALS	1704789-14	SM 200.8
4/14/2017	18:00	4/14/2017	1704789-15	Total	Final Treat INF Sump	63		N	ALS	1704789-15	SM 200.8
4/14/2017	20:00	4/14/2017	1704789-16	Total	004	6.0		N	ALS	1704789-16	SM 200.8
4/14/2017	20:00	4/14/2017	1704789-17	Total	Basin EFF	3.6		N	ALS	1704789-17	SM 200.8
4/14/2017	20:00	4/14/2017	1704789-18	Total	Final Treat INF Sump	61		N	ALS	1704789-18	SM 200.8
4/14/2017	22:00	4/14/2017	1704789-19	Total	004	61		N	ALS	1704789-19	SM 200.8
4/14/2017	22:00	4/14/2017	1704789-20	Total	Basin EFF	3.3		N	ALS	1704789-20	SM 200.8
4/14/2017	22:00	4/14/2017	1704789-21	Total	Final Treat INF Sump	40		N	ALS	1704789-21	SM 200.8
4/15/2017	0:00	4/15/2017	1704789-22	Total	004	4.9		N	ALS	1704789-22	SM 200.8
4/15/2017	0:00	4/15/2017	1704789-23	Total	Basin EFF	2.2		N	ALS	1704789-23	SM 200.8
4/15/2017	0:00	4/15/2017	1704789-24	Total	Final Treat INF Sump	39		N	ALS	1704789-24	SM 200.8
4/15/2017	2:00	4/15/2017	1704789-25	Total	004	210		N	ALS	1704789-25	SM 200.8
4/15/2017	2:00	4/15/2017	1704789-26	Total	Basin EFF	2.0		N	ALS	1704789-26	SM 200.8
4/15/2017	2:00	4/15/2017	1704789-27	Total	Final Treat INF Sump	47		N	ALS	1704789-27	SM 200.8
4/15/2017	4:00	4/15/2017	1704789-28	Total	004	4.5		N	ALS	1704789-28	SM 200.8
4/15/2017	4:00	4/15/2017	1704789-29	Total	Basin EFF	1.1		N	ALS	1704789-29	SM 200.8
4/15/2017	4:00	4/15/2017	1704789-30	Total	Final Treat INF Sump	33		N	ALS	1704789-30	SM 200.8
4/15/2017	6:00	4/15/2017	1704789-31	Total	004	7.0		N	ALS	1704789-31	SM 200.8
4/15/2017	6:00	4/15/2017	1704789-32	Total	Basin EFF	0.67		N	ALS	1704789-32	SM 200.8
4/15/2017	6:00	4/15/2017	1704789-33	Total	Final Treat INF Sump	28		N	ALS	1704789-33	SM 200.8
4/15/2017	8:00	4/15/2017	1704789-34	Hex	004	<2	U	N	ALS	1704789-34	SM 3500
4/15/2017	8:00	4/15/2017	1704789-35	Hex	Basin EFF	<2	U	N	ALS	1704789-35	SM 3500
4/15/2017	8:00	4/15/2017	1704789-36	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-36	SM 3500
4/15/2017	10:00	4/15/2017	1704789-37	Hex	004	<2	U	N	ALS	1704789-37	SM 3500
4/15/2017	10:00	4/15/2017	1704789-38	Hex	Basin EFF	<2	U	N	ALS	1704789-38	SM 3500
4/15/2017	10:00	4/15/2017	1704789-39	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-39	SM 3500
4/15/2017	12:00	4/15/2017	1704789-40	Hex	004	<2	U	N	ALS	1704789-40	SM 3500
4/15/2017	12:00	4/15/2017	1704789-41	Hex	Basin EFF	<2	U	N	ALS	1704789-41	SM 3500
4/15/2017	12:00	4/15/2017	1704789-42	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-42	SM 3500
4/15/2017	14:00	4/15/2017	1704789-43	Hex	004	<2	U	N	ALS	1704789-43	SM 3500
4/15/2017	14:00	4/15/2017	1704789-44	Hex	Basin EFF	<2	U	N	ALS	1704789-44	SM 3500
4/15/2017	14:00	4/15/2017	1704789-45	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-45	SM 3500
4/15/2017	16:00	4/15/2017	1704789-46	Hex	004	<2	U	N	ALS	1704789-46	SM 3500
4/15/2017	16:00	4/15/2017	1704789-47	Hex	Basin EFF	<2	U	N	ALS	1704789-47	SM 3500
4/15/2017	16:00	4/15/2017	1704789-48	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-48	SM 3500
4/15/2017	18:00	4/15/2017	1704789-49	Hex	004	<2	U	N	ALS	1704789-49	SM 3500
4/15/2017	18:00	4/15/2017	1704789-50	Hex	Basin EFF	<2	U	N	ALS	1704789-50	SM 3500
4/15/2017	18:00	4/15/2017	1704789-51	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-51	SM 3500
4/15/2017	20:00	4/15/2017	1704789-52	Hex	004	<2	U	N	ALS	1704789-52	SM 3500
4/15/2017	20:00	4/15/2017	1704789-53	Hex	Basin EFF	<2	U	N	ALS	1704789-53	SM 3500
4/15/2017	20:00	4/15/2017	1704789-54	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-54	SM 3500
4/15/2017	22:00	4/15/2017	1704789-55	Hex	004	<2	U	N	ALS	1704789-55	SM 3500
4/15/2017	22:00	4/15/2017	1704789-56	Hex	Basin EFF	<2	U	N	ALS	1704789-56	SM 3500
4/15/2017	22:00	4/15/2017	1704789-57	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-57	SM 3500
4/16/2017	0:00	4/16/2017	1704789-58	Hex	004	<2	U	N	ALS	1704789-58	SM 3500
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4/16/2017	0:00	4/16/2017	1704789-60	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-60	SM 3500

4/16/2017	2:00	4/16/2017	1704789-61	Hex	004	<2	U	N	ALS	1704789-61	SM 3500
4/16/2017	2:00	4/16/2017	1704789-62	Hex	Basin EFF	<2	U	N	ALS	1704789-62	SM 3500
4/16/2017	2:00	4/16/2017	1704789-63	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-63	SM 3500
4/16/2017	4:00	4/16/2017	1704789-64	Hex	004	<2	U	N	ALS	1704789-64	SM 3500
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4/16/2017	4:00	4/16/2017	1704789-66	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-66	SM 3500
4/16/2017	6:00	4/16/2017	1704789-67	Hex	004	<2	U	N	ALS	1704789-67	SM 3500
4/16/2017	6:00	4/16/2017	1704789-68	Hex	Basin EFF	<2	U	N	ALS	1704789-68	SM 3500
4/16/2017	6:00	4/16/2017	1704789-69	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-69	SM 3500
4/16/2017	8:00	4/16/2017	1704789-70	Hex	004	<2	U	N	ALS	1704789-70	SM 3500
4/16/2017	8:00	4/16/2017	1704789-71	Hex	Basin EFF	<2	U	N	ALS	1704789-71	SM 3500
4/16/2017	8:00	4/16/2017	1704789-72	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-72	SM 3500
4/16/2017	10:00	4/16/2017	1704789-73	Hex	004	<2	U	N	ALS	1704789-73	SM 3500
4/16/2017	10:00	4/16/2017	1704789-74	Hex	Basin EFF	<2	U	N	ALS	1704789-74	SM 3500
4/16/2017	10:00	4/16/2017	1704789-75	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-75	SM 3500
4/16/2017	12:00	4/16/2017	1704789-76	Hex	004	<2	U	N	ALS	1704789-76	SM 3500
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4/16/2017	12:00	4/16/2017	1704789-78	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-78	SM 3500
4/16/2017	14:00	4/16/2017	1704789-79	Hex	004	<2	U	N	ALS	1704789-79	SM 3500
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4/16/2017	14:00	4/16/2017	1704789-81	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-81	SM 3500
4/16/2017	16:00	4/16/2017	1704789-82	Hex	004	<2	U	N	ALS	1704789-82	SM 3500
4/16/2017	16:00	4/16/2017	1704789-83	Hex	Basin EFF	<2	U	N	ALS	1704789-83	SM 3500
4/16/2017	16:00	4/16/2017	1704789-84	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-84	SM 3500
4/16/2017	18:00	4/16/2017	1704789-85	Hex	004	<2	U	N	ALS	1704789-85	SM 3500
4/16/2017	18:00	4/16/2017	1704789-86	Hex	Basin EFF	<2	U	N	ALS	1704789-86	SM 3500
4/16/2017	18:00	4/16/2017	1704789-87	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-87	SM 3500
4/16/2017	20:00	4/16/2017	1704789-88	Hex	004	<2	U	N	ALS	1704789-88	SM 3500
4/16/2017	20:00	4/16/2017	1704789-89	Hex	Basin EFF	<2	U	N	ALS	1704789-89	SM 3500
4/16/2017	20:00	4/16/2017	1704789-90	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-90	SM 3500
4/16/2017	22:00	4/16/2017	1704789-91	Hex	004	<2	U	N	ALS	1704789-91	SM 3500
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4/16/2017	22:00	4/16/2017	1704789-93	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-93	SM 3500
4/17/2017	0:00	4/17/2017	1704789-94	Hex	004	<2	U	N	ALS	1704789-94	SM 3500
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4/17/2017	0:00	4/17/2017	1704789-96	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-96	SM 3500
4/17/2017	2:00	4/17/2017	1704789-97	Hex	004	<2	U	N	ALS	1704789-97	SM 3500
4/17/2017	2:00	4/17/2017	1704789-98	Hex	Basin EFF	<2	U	N	ALS	1704789-98	SM 3500
4/17/2017	2:00	4/17/2017	1704789-99	Hex	Final Treat INF Sump	<2	U	N	ALS	1704789-99	SM 3500
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4/17/2017	10:00	4/17/2017	1704867-12	Hex	Final Treat INF Sump	<2	U	N	ALS	1704867-12	SM 3500
4/17/2017	12:00	4/17/2017	1704867-13	Hex	004	<2	U	N	ALS	1704867-13	SM 3500
4/17/2017	12:00	4/17/2017	1704867-14	Hex	Basin EFF	<2	U	N	ALS	1704867-14	SM 3500
4/17/2017	12:00	4/17/2017	1704867-15	Hex	Final Treat INF Sump	<2	U	N	ALS	1704867-15	SM 3500
4/17/2017	14:00	4/17/2017	1704867-16	Hex	004	<2	U	N	ALS	1704867-16	SM 3500
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4/17/2017	14:00	4/17/2017	1704867-18	Hex	Final Treat INF Sump	<2	U	N	ALS	1704867-18	SM 3500
4/17/2017	16:00	4/17/2017	1704867-19	Hex	004	<2	U	N	ALS	1704867-19	SM 3500
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4/17/2017	18:00	4/17/2017	1704867-22	Hex	004	<2	U N	ALS	1704867-22	SM 3500
4/17/2017	18:00	4/17/2017	1704867-23	Hex	Basin EFF	<2	U N	ALS	1704867-23	SM 3500
4/17/2017	18:00	4/17/2017	1704867-24	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-24	SM 3500
4/17/2017	20:00	4/17/2017	1704867-25	Hex	004	<2	U N	ALS	1704867-25	SM 3500
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4/17/2017	0:00	4/18/2017	1704867-30	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-30	SM 3500
4/17/2017	2:00	4/18/2017	1704867-28	Hex	004	<2	U N	ALS	1704867-28	SM 3500
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4/17/2017	2:00	4/18/2017	1704867-30	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-30	SM 3500
4/17/2017	4:00	4/18/2017	1704867-31	Hex	004	<2	U N	ALS	1704867-31	SM 3500
4/17/2017	4:00	4/18/2017	1704867-32	Hex	Basin EFF	<2	U N	ALS	1704867-32	SM 3500
4/17/2017	4:00	4/18/2017	1704867-33	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-33	SM 3500
4/17/2017	6:00	4/18/2017	1704867-34	Hex	004	<2	U N	ALS	1704867-34	SM 3500
4/17/2017	6:00	4/18/2017	1704867-35	Hex	Basin EFF	<2	U N	ALS	1704867-35	SM 3500
4/17/2017	6:00	4/18/2017	1704867-36	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-36	SM 3500
4/17/2017	8:00	4/18/2017	1704867-37	Hex	004	<2	U N	ALS	1704867-37	SM 3500
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4/17/2017	8:00	4/18/2017	1704867-39	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-39	SM 3500
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4/17/2017	10:00	4/18/2017	1704867-41	Hex	Basin EFF	<2	U N	ALS	1704867-41	SM 3500
4/17/2017	10:00	4/18/2017	1704867-42	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-42	SM 3500
4/17/2017	12:00	4/18/2017	1704867-43	Hex	004	<2	U N	ALS	1704867-43	SM 3500
4/17/2017	12:00	4/18/2017	1704867-44	Hex	Basin EFF	<2	U N	ALS	1704867-44	SM 3500
4/17/2017	12:00	4/18/2017	1704867-45	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-45	SM 3500
4/17/2017	14:00	4/18/2017	1704867-46	Hex	004	<2	U N	ALS	1704867-46	SM 3500
4/17/2017	14:00	4/18/2017	1704867-47	Hex	Basin EFF	<2	U N	ALS	1704867-47	SM 3500
4/17/2017	14:00	4/18/2017	1704867-48	Hex	Final Treat INF Sump	<2	U N	ALS	1704867-48	SM 3500
4/13/2017	11:52		1704855-02A	Hex	USS-SW-KB02-041317	<2	U	ALS	1704855-02A	SM 3500
4/13/2017	12:22		1704855-03A	Hex	USS-SW-PB02-041317	<2	U	ALS	1704855-03A	SM 3500
4/13/2017	13:26		1704855-04A	Hex	USS-SW-BB02-041317	<2	U	ALS	1704855-04A	SM 3500
4/13/2017	13:26		1704855-05A	Hex	USS-SW-BB02-041317-DUP	<2	U	ALS	1704855-05A	SM 3500
4/13/2017	14:34		1704855-06A	Hex	USS-SW-WB02-041317	<2	U	ALS	1704855-06A	SM 3500
4/13/2017	15:10		1704855-07A	Hex	USS-SW-OD02-041317	<2	U	ALS	1704855-07A	SM 3500
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4/14/2017	13:19		1704855-09A	Hex	USS-SW-DB02-041417	<2	U	ALS	1704855-09A	SM 3500
4/14/2017	13:35		1704855-10A	Hex	USS-SW-KB02-041417	<2	U	ALS	1704855-10A	SM 3500
4/14/2017	14:08		1704855-11A	Hex	USS-SW-PB02-041417	<2	U	ALS	1704855-11A	SM 3500
4/14/2017	15:02		1704855-12A	Hex	USS-SW-BB02-041417	<2	U	ALS	1704855-12A	SM 3500
4/14/2017	12:05		1704855-13A	Hex	USS-SW-WB02-041417	<2	U	ALS	1704855-13A	SM 3500
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4/14/2017	12:45		1704855-15A	Hex	USS-SW-PL02-041417	<2	U	ALS	1704855-15A	SM 3500
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4/15/2017	13:10		1704855-20A	Hex	USS-SW-DB02-041517	<2	U	ALS	1704855-20A	SM 3500
4/15/2017	13:33		1704855-21A	Hex	USS-SW-KB02-041517	<2	U	ALS	1704855-21A	SM 3500
4/15/2017	14:13		1704855-22A	Hex	USS-SW-PB02-041517	<2	U	ALS	1704855-22A	SM 3500
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4/15/2017	13:10		1704855-24A	Hex	USS-SW-DB02-041517 DUP	<2	U	ALS	1704855-24A	SM 3500
4/16/2017	8:55		1704855-25A	Hex	USS-SW-DB02-041617	<2	U	ALS	1704855-25A	SM 3500
4/16/2017	9:08		1704855-26A	Hex	USS-SW-KB02-041617	<2	U	ALS	1704855-26A	SM 3500
4/16/2017	9:25		1704855-27A	Hex	USS-SW-PB02-041617	<2	U	ALS	1704855-27A	SM 3500
4/16/2017	10:31		1704855-28A	Hex	USS-SW-BB02-041617	<2	U	ALS	1704855-28A	SM 3500
4/16/2017	11:18		1704855-29A	Hex	USS-SW-WB02-041617	<2	U	ALS	1704855-29A	SM 3500

4/16/2017	11:46	1704855-30A	Hex	USS-SW-OD02-041617			<2	U	ALS	1704855-30A	SM 3500
4/16/2017	12:10	1704855-31A	Hex	USS-SW-PL02-041617			<2	U	ALS	1704855-31A	SM 3500
4/16/2017	9:25	1704855-32A	Hex	USS-SW-PB02-041617-DUP			<2	U	ALS	1704855-32A	SM 3500
4/17/2017	10:42	1704908-73	Hex	DB02			<2	U N	ALS	1704908-73	SM 3500
4/17/2017	10:57	1704908-74	Hex	KB02			<2	U N	ALS	1704908-74	SM 3500
4/17/2017	11:58	1704908-75	Hex	BB02			<2	U N	ALS	1704908-75	SM 3500
4/17/2017	12:45	1704908-76	Hex	WB02			<2	U N	ALS	1704908-76	SM 3500
4/17/2017	13:13	1704908-77	Hex	OD02			<2	U N	ALS	1704908-77	SM 3500
4/17/2017	13:38	1704908-78	Hex	PL02			<2	U N	ALS	1704908-78	SM 3500
4/17/2017	12:45	1704908-80	Hex	WB02 DUP			<2	U Y	ALS	1704908-80	SM 3500
4/17/2017	11:20	1704908-84	Hex	PB02			<2	U N	ALS	1704908-84	SM 3500
4/18/2017	10:27	1704989-73A	Hex	WB02			<2	U N	ALS	1704989-73A	SM 3500
4/18/2017	10:54	1704989-74A	Hex	OD02			<2	U N	ALS	1704989-74A	SM 3500
4/18/2017	11:14	1704989-75A	Hex	PL02			<2	U N	ALS	1704989-75A	SM 3500
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4/18/2017	11:34	1704989-77A	Hex	BB02			<2	U N	ALS	1704989-77A	SM 3500
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4/15/2017	13:34	1704856-1	Hex	A	West	Surface	<2	U N	ALS	1704856-1	SM 3500
4/15/2017	13:34	1704856-2	Hex	A	West	Mid Depth	<2	U N	ALS	1704856-2	SM 3500
4/15/2017	13:31	1704856-3	Hex	A	Center	Surface	<2	U N	ALS	1704856-3	SM 3500
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4/15/2017	13:28	1704856-5	Hex	A	East	Surface	<2	U N	ALS	1704856-5	SM 3500
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4/15/2017	13:34	1704856-1	Total	A	West	Surface	0.32	J N	ALS	1704856-1	SM 200.8
4/15/2017	13:34	1704856-2	Total	A	West	Mid Depth	0.35	J N	ALS	1704856-2	SM 200.8
4/15/2017	13:31	1704856-3	Total	A	Center	Surface	0.37	J N	ALS	1704856-3	SM 200.8
4/15/2017	13:31	1704856-4	Total	A	Center	Mid Depth	0.48	J N	ALS	1704856-4	SM 200.8
4/15/2017	13:28	1704856-5	Total	A	East	Surface	0.52	J N	ALS	1704856-5	SM 200.8
4/15/2017	13:28	1704856-6	Total	A	East	Mid Depth	0.68	J N	ALS	1704856-6	SM 3500
4/15/2017	13:42	1704856-7	Hex	B	West	Surface	<2	U N	ALS	1704856-7	SM 3500
4/15/2017	13:42	1704856-8	Hex	B	West	Mid Depth	<2	U N	ALS	1704856-8	SM 3500
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4/15/2017	13:40	1704856-10	Hex	B	Center	Surface	<2	U N	ALS	1704856-10	SM 3500
4/15/2017	13:38	1704856-11	Hex	B	East	Mid Depth	<2	U N	ALS	1704856-11	SM 3500
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4/15/2017	13:42	1704856-7	Total	B	West	Surface	0.43	J N	ALS	1704856-7	SM 200.8
4/15/2017	13:42	1704856-8	Total	B	West	Mid Depth	0.47	J N	ALS	1704856-8	SM 200.8
4/15/2017	13:40	1704856-9	Total	B	Center	Surface	0.44	J N	ALS	1704856-9	SM 200.8
4/15/2017	13:40	1704856-10	Total	B	Center	Mid Depth	0.40	J N	ALS	1704856-10	SM 200.8
4/15/2017	13:38	1704856-11	Total	B	East	Surface	0.36	J N	ALS	1704856-11	SM 200.8
4/15/2017	13:38	1704856-12	Total	B	East	Mid Depth	0.37	J N	ALS	1704856-12	SM 200.8
4/15/2017	14:23	1704856-13	Hex	C	West	Surface	<2	U N	ALS	1704856-13	SM 3500
4/15/2017	14:23	1704856-14	Hex	C	West	Mid Depth	<2	U N	ALS	1704856-14	SM 3500
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4/15/2017	14:19	1704856-17	Hex	C	East	Surface	<2	U N	ALS	1704856-17	SM 3500
4/15/2017	14:19	1704856-18	Hex	C	East	Mid Depth	<2	U N	ALS	1704856-18	SM 3500
4/15/2017	14:23	1704856-13	Total	C	West	Surface	0.43	J N	ALS	1704856-13	SM 200.8
4/15/2017	14:23	1704856-14	Total	C	West	Mid Depth	0.36	J N	ALS	1704856-14	SM 200.8
4/15/2017	14:21	1704856-15	Total	C	Center	Surface	0.51	J N	ALS	1704856-15	SM 200.8
4/15/2017	14:21	1704856-16	Total	C	Center	Mid Depth	0.38	J N	ALS	1704856-16	SM 200.8
4/15/2017	14:19	1704856-17	Total	C	East	Surface	0.39	J N	ALS	1704856-17	SM 200.8
4/15/2017	14:19	1704856-18	Total	C	East	Mid Depth	0.37	J N	ALS	1704856-18	SM 200.8
4/15/2017	14:13	1704856-19	Hex	D	West	Surface	<2	U N	ALS	1704856-19	SM 3500
4/15/2017	14:13	1704856-20	Hex	D	West	Mid Depth	<2	U N	ALS	1704856-20	SM 3500
4/15/2017	14:15	1704856-21	Hex	D	Center	Surface	<2	U N	ALS	1704856-21	SM 3500
4/15/2017	14:15	1704856-22	Hex	D	Center	Mid Depth	<2	U N	ALS	1704856-22	SM 3500
4/15/2017	14:17	1704856-23	Hex	D	East	Surface	<2	U N	ALS	1704856-23	SM 3500

4/15/2017	14:17	1704856-24	Hex	D	East	Mid Depth	<2	U	N	ALS	1704856-24	SM 3500
4/15/2017	14:13	1704856-19	Total	D	West	Surface	0.60	J	N	ALS	1704856-19	SM 200.8
4/15/2017	14:13	1704856-20	Total	D	West	Mid Depth	0.56	J	N	ALS	1704856-20	SM 200.8
4/15/2017	14:15	1704856-21	Total	D	Center	Surface	0.33	J	N	ALS	1704856-21	SM 200.8
4/15/2017	14:15	1704856-22	Total	D	Center	Mid Depth	0.43	J	N	ALS	1704856-22	SM 200.8
4/15/2017	14:17	1704856-23	Total	D	East	Surface	6.8		N	ALS	1704856-23	SM 200.8
4/15/2017	14:17	1704856-24	Total	D	East	Mid Depth	8.0		N	ALS	1704856-24	SM 200.8
4/15/2017	14:11	1704856-25	Hex	E	West	Surface	<2	U	N	ALS	1704856-25	SM 3500
4/15/2017	14:11	1704856-26	Hex	E	West	Mid Depth	<2	U	N	ALS	1704856-26	SM 3500
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4/15/2017	14:07	1704856-29	Hex	E	East	Surface	<2	U	N	ALS	1704856-29	SM 3500
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4/15/2017	14:11	1704856-25	Total	E	West	Surface	0.49	J	N	ALS	1704856-25	SM 200.8
4/15/2017	14:11	1704856-26	Total	E	West	Mid Depth	0.57	J	N	ALS	1704856-26	SM 200.8
4/15/2017	14:09	1704856-27	Total	E	Center	Surface	0.33	J	N	ALS	1704856-27	SM 200.8
4/15/2017	14:09	1704856-28	Total	E	Center	Mid Depth	0.40	J	N	ALS	1704856-28	SM 200.8
4/15/2017	14:07	1704856-29	Total	E	East	Surface	0.43	J	N	ALS	1704856-29	SM 200.8
4/15/2017	14:07	1704856-30	Total	E	East	Mid Depth	0.47	J	N	ALS	1704856-30	SM 200.8
4/15/2017	14:01	1704856-31	Hex	F	West	Surface	<2	U	N	ALS	1704856-31	SM 3500
4/15/2017	14:01	1704856-32	Hex	F	West	Mid Depth	<2	U	N	ALS	1704856-32	SM 3500
4/15/2017	14:03	1704856-33	Hex	F	Center	Surface	<2	U	N	ALS	1704856-33	SM 3500
4/15/2017	14:03	1704856-34	Hex	F	Center	Mid Depth	<2	U	N	ALS	1704856-34	SM 3500
4/15/2017	14:05	1704856-35	Hex	F	East	Surface	<2	U	N	ALS	1704856-35	SM 3500
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4/15/2017	14:01	1704856-31	Total	F	West	Surface	0.44	J	N	ALS	1704856-31	SM 200.8
4/15/2017	14:01	1704856-32	Total	F	West	Mid Depth	0.40	J	N	ALS	1704856-32	SM 200.8
4/15/2017	14:03	1704856-33	Total	F	Center	Surface	0.61	J	N	ALS	1704856-33	SM 200.8
4/15/2017	14:03	1704856-34	Total	F	Center	Mid Depth	0.53	J	N	ALS	1704856-34	SM 200.8
4/15/2017	14:05	1704856-35	Total	F	East	Surface	0.79	J	N	ALS	1704856-35	SM 200.8
4/15/2017	14:05	1704856-36	Total	F	East	Mid Depth	[illegible]	J	N	ALS	1704856-36	SM 200.8
4/15/2017	13:59	1704856-37	Hex	G	West	Surface	<2	U	N	ALS	1704856-37	SM 3500
4/15/2017	13:59	1704856-38	Hex	G	West	Mid Depth	<2	U	N	ALS	1704856-38	SM 3500
4/15/2017	13:57	1704856-39	Hex	G	Center	Surface	<2	U	N	ALS	1704856-39	SM 3500
4/15/2017	13:57	1704856-40	Hex	G	Center	Mid Depth	<2	U	N	ALS	1704856-40	SM 3500
4/15/2017	13:55	1704856-41	Hex	G	East	Surface	<2	U	N	ALS	1704856-41	SM 3500
4/15/2017	13:55	1704856-42	Hex	G	East	Mid Depth	<2	U	N	ALS	1704856-42	SM 3500
4/15/2017	13:59	1704856-37	Total	G	West	Surface	0.47	J	N	ALS	1704856-37	SM 200.8
4/15/2017	13:59	1704856-38	Total	G	West	Mid Depth	0.54	J	N	ALS	1704856-38	SM 200.8
4/15/2017	13:57	1704856-39	Total	G	Center	Surface	0.48	J	N	ALS	1704856-39	SM 200.8
4/15/2017	13:57	1704856-40	Total	G	Center	Mid Depth	0.46	J	N	ALS	1704856-40	SM 200.8
4/15/2017	13:55	1704856-41	Total	G	East	Surface	1.1	J	N	ALS	1704856-41	SM 200.8
4/15/2017	13:55	1704856-42	Total	G	East	Mid Depth	1.3	J	N	ALS	1704856-42	SM 200.8
4/15/2017	13:49	1704856-43	Hex	H	West	Surface	<2	U	N	ALS	1704856-43	SM 3500
4/15/2017	13:49	1704856-44	Hex	H	West	Mid Depth	<2	U	N	ALS	1704856-44	SM 3500
4/15/2017	13:51	1704856-45	Hex	H	Center	Surface	<2	U	N	ALS	1704856-45	SM 3500
4/15/2017	13:51	1704856-46	Hex	H	Center	Mid Depth	<2	U	N	ALS	1704856-46	SM 3500
4/15/2017	13:53	1704856-47	Hex	H	East	Surface	<2	U	N	ALS	1704856-47	SM 3500
4/15/2017	13:53	1704856-48	Hex	H	East	Mid Depth	<2	U	N	ALS	1704856-48	SM 3500
4/15/2017	13:49	1704856-43	Total	H	West	Surface	0.46	J	N	ALS	1704856-43	SM 200.8
4/15/2017	13:49	1704856-44	Total	H	West	Mid Depth	0.43	J	N	ALS	1704856-44	SM 200.8
4/15/2017	13:51	1704856-45	Total	H	Center	Surface	0.41	J	N	ALS	1704856-45	SM 200.8
4/15/2017	13:51	1704856-46	Total	H	Center	Mid Depth	0.75	J	N	ALS	1704856-46	SM 200.8
4/15/2017	13:53	1704856-47	Total	H	East	Surface	0.73	J	N	ALS	1704856-47	SM 200.8
4/15/2017	13:53	1704856-48	Total	H	East	Mid Depth	1.2	J	N	ALS	1704856-48	SM 200.8
4/15/2017	10:29	1704856-49	Hex	Intake A			<2	U	N	ALS	1704856-49	SM 3500
4/15/2017	10:29	1704856-50	Hex	Intake B			<2	U	N	ALS	1704856-50	SM 3500
4/15/2017	10:49	1704856-51	Hex	002A			<2	U	N	ALS	1704856-51	SM 3500
4/15/2017	10:49	1704856-52	Hex	002B			<2	U	N	ALS	1704856-52	SM 3500
4/15/2017	10:53	1704856-53	Hex	003A			<2	U	N	ALS	1704856-53	SM 3500

4/15/2017	10:53	1704856-54	Hex	003B			<2	U	N	ALS	1704856-54	SM 3500
4/15/2017	11:32	1704856-55	Hex	004A			<2	U	N	ALS	1704856-55	SM 3500
4/15/2017	11:32	1704856-56	Hex	004B			<2	U	N	ALS	1704856-56	SM 3500
4/15/2017	10:29	1704856-49	Total	Intake A			0.19	J	N	ALS	1704856-49	SM 200.8
4/15/2017	10:29	1704856-50	Total	Intake B			0.14	J	N	ALS	1704856-50	SM 200.8
4/15/2017	10:49	1704856-51	Total	002A			0.16	J	N	ALS	1704856-51	SM 200.8
4/15/2017	10:49	1704856-52	Total	002B			0.19	J	N	ALS	1704856-52	SM 200.8
4/15/2017	10:53	1704856-53	Total	003A			0.16	J	N	ALS	1704856-53	SM 200.8
4/15/2017	10:53	1704856-54	Total	003B			0.14	J	N	ALS	1704856-54	SM 200.8
4/15/2017	11:32	1704856-55	Total	004A			0.13	J	N	ALS	1704856-55	SM 200.8
4/15/2017	11:32	1704856-56	Total	004B			0.16	J	N	ALS	1704856-56	SM 200.8
4/15/2017	11:36	1704856-57	Hex	005A			<2	U	N	ALS	1704856-57	SM 3500
4/15/2017	11:36	1704856-58	Hex	005B			<2	U	N	ALS	1704856-58	SM 3500
4/15/2017	10:44	1704856-59	Hex	006A			<2	U	N	ALS	1704856-59	SM 3500
4/15/2017	10:44	1704856-60	Hex	006B			<2	U	N	ALS	1704856-60	SM 3500
4/15/2017	10:37	1704856-61	Hex	007A			<2	U	N	ALS	1704856-61	SM 3500
4/15/2017	10:37	170456-62	Hex	007B			<2	U	N	ALS	170456-62	SM 3500
4/15/2017	11:50	1704856-63	Hex	008A			<2	U	N	ALS	1704856-63	SM 3500
4/15/2017	11:50	1704856-64	Hex	008B			<2	U	N	ALS	1704856-64	SM 3500
4/15/2017	11:54	1704856-65	Hex	009A			<2	U	N	ALS	1704856-65	SM 3500
4/15/2017	11:54	1704856-66	Hex	009B			<2	U	N	ALS	1704856-66	SM 3500
4/15/2017	11:36	1704856-57	Total	005A			0.11	J	N	ALS	1704856-57	SM 200.8
4/15/2017	11:36	1704856-58	Total	005B			0.17	J	N	ALS	1704856-58	SM 200.8
4/15/2017	10:44	1704856-59	Total	006A			0.13	J	N	ALS	1704856-59	SM 200.8
4/15/2017	10:44	1704856-60	Total	006B			0.18	J	N	ALS	1704856-60	SM 200.8
4/15/2017	10:37	1704856-61	Total	007A			0.15	J	N	ALS	1704856-61	SM 200.8
4/15/2017	10:37	170456-62	Total	007B			0.18	J	N	ALS	170456-62	SM 200.8
4/15/2017	11:50	1704856-63	Total	008A			0.15	J	N	ALS	1704856-63	SM 200.8
4/15/2017	11:50	1704856-64	Total	008B			0.14	J	N	ALS	1704856-64	SM 200.8
4/15/2017	11:54	1704856-65	Total	009A			0.13	J	N	ALS	1704856-65	SM 200.8
4/15/2017	11:54	1704856-66	Total	009B			0.13	J	N	ALS	1704856-66	SM 200.8
4/15/2017	12:03	1704856-67	Hex	010A			<2	U	N	ALS	1704856-67	SM 3500
4/15/2017	12:03	1704856-68	Hex	010B			<2	U	N	ALS	1704856-68	SM 3500
4/15/2017	12:08	1704856-69	Hex	11A			<2	U	N	ALS	1704856-69	SM 3500
4/15/2017	12:08	1704856-70	Hex	11B			<2	U	N	ALS	1704856-70	SM 3500
4/15/2017	12:15	1704856-71	Hex	12A			<2	U	N	ALS	1704856-71	SM 3500
4/15/2017	12:15	1704856-72	Hex	12B			<2	U	N	ALS	1704856-72	SM 3500
4/15/2017	12:03	1704856-67	Total	010A			0.20	J	N	ALS	1704856-67	SM 200.8
4/15/2017	12:03	1704856-68	Total	010B			0.31	J	N	ALS	1704856-68	SM 200.8
4/15/2017	12:08	1704856-69	Total	11A			0.33	J	N	ALS	1704856-69	SM 200.8
4/15/2017	12:08	1704856-70	Total	11B			0.37	J	N	ALS	1704856-70	SM 200.8
4/15/2017	12:15	1704856-71	Total	12A			0.46	J	N	ALS	1704856-71	SM 200.8
4/15/2017	12:15	1704856-72	Total	12B			0.51	J	N	ALS	1704856-72	SM 200.8
4/15/2017	11:50	1704856-73	Hex	008A DUP			<2	U	Y	ALS	1704856-73	SM 3500
4/15/2017	12:15	1704856-74	Hex	012A DUP			<2	U	Y	ALS	1704856-74	SM 3500
4/15/2017	11:32	1704856-75	Hex	004A DUP			<2	U	Y	ALS	1704856-75	SM 3500
4/15/2017	14:23	1704856-76	Hex	C1B DUP			<2	U	Y	ALS	1704856-76	SM 3500
4/15/2017	14:15	1704856-77	Hex	D2A DUP			<2	U	Y	ALS	1704856-77	SM 3500
4/15/2017	13:40	1704856-78	Hex	B2A DUP			<2	U	Y	ALS	1704856-78	SM 3500
4/15/2017	14:09	1704856-79	Hex	E2A DUP			<2	U	Y	ALS	1704856-79	SM 3500
4/16/2017	9:45	1704861-1	Hex	A	West	Surface	<2	U	N	ALS	1704861-1	SM 3500
4/16/2017	9:45	1704861-2	Hex	A	West	Mid Depth	<2	U	N	ALS	1704861-2	SM 3500
4/16/2017	9:52	1704861-3	Hex	A	Center	Surface	<2	U	N	ALS	1704861-3	SM 3500
4/16/2017	9:52	1704861-4	Hex	A	Center	Mid Depth	<2	U	N	ALS	1704861-4	SM 3500
4/16/2017	9:50	1704861-5	Hex	A	East	Surface	<2	U	Y	ALS	1704861-5	SM 3500
4/16/2017	9:50	1704861-6	Hex	A	East	Mid Depth	<2	U	N	ALS	1704861-6	SM 3500
4/16/2017	9:45	1704861-1	Total	A	West	Surface	0.31	J	N	ALS	1704861-1	SM 200.8
4/16/2017	9:45	1704861-2	Total	A	West	Mid Depth	0.56	J	N	ALS	1704861-2	SM 200.8

4/16/2017	9:52	1704861-3	Total	A	Center	Surface	0.32	J	N	ALS	1704861-3	SM 200.8
4/16/2017	9:52	1704861-4	Total	A	Center	Mid Depth	0.58	J	N	ALS	1704861-4	SM 200.8
4/16/2017	9:50	1704861-5	Total	A	East	Surface			Y	ALS	1704861-5	SM 200.8
4/16/2017	9:50	1704861-6	Total	A	East	Mid Depth			N	ALS	1704861-6	SM 3500
4/16/2017	10:01	1704861-7	Hex	B	West	Surface	<2	U	N	ALS	1704861-7	SM 3500
4/16/2017	10:01	1704861-8	Hex	B	West	Mid Depth	<2	U	N	ALS	1704861-8	SM 3500
4/16/2017	9:59	1704861-9	Hex	B	Center	Surface	<2	U	N	ALS	1704861-9	SM 3500
4/16/2017	9:59	1704861-10	Hex	B	Center	Surface	<2	U	N	ALS	1704861-10	SM 3500
4/16/2017	9:57	1704861-11	Hex	B	East	Mid Depth	<2	U	N	ALS	1704861-11	SM 3500
4/16/2017	9:57	1704861-12	Hex	B	East	Mid Depth	<2	U	N	ALS	1704861-12	SM 3500
4/16/2017	10:01	1704861-7	Total	B	West	Surface			N	ALS	1704861-7	SM 200.8
4/16/2017	10:01	1704861-8	Total	B	West	Mid Depth			N	ALS	1704861-8	SM 200.8
4/16/2017	9:59	1704861-9	Total	B	Center	Surface			N	ALS	1704861-9	SM 200.8
4/16/2017	9:59	1704861-10	Total	B	Center	Mid Depth			N	ALS	1704861-10	SM 200.8
4/16/2017	9:57	1704861-11	Total	B	East	Surface			N	ALS	1704861-11	SM 200.8
4/16/2017	9:57	1704861-12	Total	B	East	Mid Depth			N	ALS	1704861-12	SM 200.8
4/16/2017	10:54	1704861-13	Hex	C	West	Surface	<2	U	N	ALS	1704861-13	SM 3500
4/16/2017	10:54	1704861-14	Hex	C	West	Mid Depth	<2	U	N	ALS	1704861-14	SM 3500
4/16/2017	10:57	1704861-15	Hex	C	Center	Surface	<2	U	N	ALS	1704861-15	SM 3500
4/16/2017	10:57	1704861-16	Hex	C	Center	Mid Depth	<2	U	N	ALS	1704861-16	SM 3500
4/16/2017	11:00	1704861-17	Hex	C	East	Surface	<2	U	N	ALS	1704861-17	SM 3500
4/16/2017	11:00	1704861-18	Hex	C	East	Mid Depth	<2	U	N	ALS	1704861-18	SM 3500
4/16/2017	10:54	1704861-13	Total	C	West	Surface			N	ALS	1704861-13	SM 200.8
4/16/2017	10:54	1704861-14	Total	C	West	Mid Depth			N	ALS	1704861-14	SM 200.8
4/16/2017	10:57	1704861-15	Total	C	Center	Surface			N	ALS	1704861-15	SM 200.8
4/16/2017	10:57	1704861-16	Total	C	Center	Mid Depth			N	ALS	1704861-16	SM 200.8
4/16/2017	11:00	1704861-17	Total	C	East	Surface			N	ALS	1704861-17	SM 200.8
4/16/2017	11:00	1704861-18	Total	C	East	Mid Depth			N	ALS	1704861-18	SM 200.8
4/16/2017	10:45	1704861-19	Hex	D	West	Surface	<2	U	N	ALS	1704861-19	SM 3500
4/16/2017	10:45	1704861-20	Hex	D	West	Mid Depth	<2	U	N	ALS	1704861-20	SM 3500
4/16/2017	10:48	1704861-21	Hex	D	Center	Surface	<2	U	N	ALS	1704861-21	SM 3500
4/16/2017	10:48	1704861-22	Hex	D	Center	Mid Depth	<2	U	N	ALS	1704861-22	SM 3500
4/16/2017	10:51	1704861-23	Hex	D	East	Surface	<2	U	N	ALS	1704861-23	SM 3500
4/16/2017	10:51	1704861-24	Hex	D	East	Mid Depth	<2	U	N	ALS	1704861-24	SM 3500
4/16/2017	10:45	1704861-19	Total	D	West	Surface			N	ALS	1704861-19	SM 200.8
4/16/2017	10:45	1704861-20	Total	D	West	Mid Depth			N	ALS	1704861-20	SM 200.8
4/16/2017	10:48	1704861-21	Total	D	Center	Surface			N	ALS	1704861-21	SM 200.8
4/16/2017	10:48	1704861-22	Total	D	Center	Mid Depth			N	ALS	1704861-22	SM 200.8
4/16/2017	10:51	1704861-23	Total	D	East	Surface			N	ALS	1704861-23	SM 200.8
4/16/2017	10:51	1704861-24	Total	D	East	Mid Depth			N	ALS	1704861-24	SM 200.8
4/16/2017	10:42	1704861-25	Hex	E	West	Surface	<2	U	N	ALS	1704861-25	SM 3500
4/16/2017	10:42	1704861-26	Hex	E	West	Mid Depth	<2	U	N	ALS	1704861-26	SM 3500
4/16/2017	10:39	1704861-27	Hex	E	Center	Surface	<2	U	N	ALS	1704861-27	SM 3500
4/16/2017	10:39	1704861-28	Hex	E	Center	Mid Depth	<2	U	N	ALS	1704861-28	SM 3500
4/16/2017	10:36	1704861-29	Hex	E	East	Surface	<2	U	N	ALS	1704861-29	SM 3500
4/16/2017	10:36	1704861-30	Hex	E	East	Mid Depth	<2	U	N	ALS	1704861-30	SM 3500
4/16/2017	10:42	1704861-25	Total	E	West	Surface			N	ALS	1704861-25	SM 200.8
4/16/2017	10:42	1704861-26	Total	E	West	Mid Depth			N	ALS	1704861-26	SM 200.8
4/16/2017	10:39	1704861-27	Total	E	Center	Surface			N	ALS	1704861-27	SM 200.8
4/16/2017	10:39	1704861-28	Total	E	Center	Mid Depth			N	ALS	1704861-28	SM 200.8
4/16/2017	10:36	1704861-29	Total	E	East	Surface			N	ALS	1704861-29	SM 200.8
4/16/2017	10:36	1704861-30	Total	E	East	Mid Depth			N	ALS	1704861-30	SM 200.8
4/16/2017	10:07	1704861-31	Hex	F	West	Surface	<2	U	N	ALS	1704861-31	SM 3500
4/16/2017	10:27	1704861-32	Hex	F	West	Mid Depth	<2	U	N	ALS	1704861-32	SM 3500
4/16/2017	10:30	1704861-33	Hex	F	Center	Surface	<2	U	N	ALS	1704861-33	SM 3500
4/16/2017	10:30	1704861-34	Hex	F	Center	Mid Depth	<2	U	N	ALS	1704861-34	SM 3500
4/16/2017	10:33	1704861-35	Hex	F	East	Surface	<2	U	N	ALS	1704861-35	SM 3500
4/16/2017	10:33	1704861-36	Hex	F	East	Mid Depth	<2	U	N	ALS	1704861-36	SM 3500
4/16/2017	10:07	1704861-31	Total	F	West	Surface			N	ALS	1704861-31	SM 200.8
4/16/2017	10:27	1704861-32	Total	F	West	Mid Depth			N	ALS	1704861-32	SM 200.8

4/16/2017	10:30	1704861-33	Total	F	Center	Surface			N	ALS	1704861-33	SM 200.8
4/16/2017	10:30	1704861-34	Total	F	Center	Mid Depth			N	ALS	1704861-34	SM 200.8
4/16/2017	10:33	1704861-35	Total	F	East	Surface			N	ALS	1704861-35	SM 200.8
4/16/2017	10:33	1704861-36	Total	F	East	Mid Depth			N	ALS	1704861-36	SM 200.8
4/16/2017	10:24	1704861-37	Hex	G	West	Surface	<2	U	N	ALS	1704861-37	SM 3500
4/16/2017	10:24	1704861-38	Hex	G	West	Mid Depth	<2	U	N	ALS	1704861-38	SM 3500
4/16/2017	10:22	1704861-39	Hex	G	Center	Surface	<2	U	N	ALS	1704861-39	SM 3500
4/16/2017	10:22	1704861-40	Hex	G	Center	Mid Depth	<2	U	N	ALS	1704861-40	SM 3500
4/16/2017	10:20	1704861-41	Hex	G	East	Surface	<2	U	N	ALS	1704861-41	SM 3500
4/16/2017	10:20	1704861-42	Hex	G	East	Mid Depth	<2	U	N	ALS	1704861-42	SM 3500
4/16/2017	10:24	1704861-37	Total	G	West	Surface			N	ALS	1704861-37	SM 200.8
4/16/2017	10:24	1704861-38	Total	G	West	Mid Depth			N	ALS	1704861-38	SM 200.8
4/16/2017	10:22	1704861-39	Total	G	Center	Surface			N	ALS	1704861-39	SM 200.8
4/16/2017	10:22	1704861-40	Total	G	Center	Mid Depth			N	ALS	1704861-40	SM 200.8
4/16/2017	10:20	1704861-41	Total	G	East	Surface			N	ALS	1704861-41	SM 200.8
4/16/2017	10:20	1704861-42	Total	G	East	Mid Depth			N	ALS	1704861-42	SM 200.8
4/16/2017	10:13	1704861-43	Hex	H	West	Surface	<2	U	N	ALS	1704861-43	SM 3500
4/16/2017	10:13	1704861-44	Hex	H	West	Mid Depth	<2	U	N	ALS	1704861-44	SM 3500
4/16/2017	10:15	1704861-45	Hex	H	Center	Surface	<2	U	N	ALS	1704861-45	SM 3500
4/16/2017	10:15	1704861-46	Hex	H	Center	Mid Depth	<2	U	N	ALS	1704861-46	SM 3500
4/16/2017	10:17	1704861-47	Hex	H	East	Surface	<2	U	N	ALS	1704861-47	SM 3500
4/16/2017	10:17	1704861-48	Hex	H	East	Mid Depth	<2	U	N	ALS	1704861-48	SM 3500
4/16/2017	10:13	1704861-43	Total	H	West	Surface			N	ALS	1704861-43	SM 200.8
4/16/2017	10:13	1704861-44	Total	H	West	Mid Depth			N	ALS	1704861-44	SM 200.8
4/16/2017	10:15	1704861-45	Total	H	Center	Surface			N	ALS	1704861-45	SM 200.8
4/16/2017	10:15	1704861-46	Total	H	Center	Mid Depth			N	ALS	1704861-46	SM 200.8
4/16/2017	10:17	1704861-47	Total	H	East	Surface			N	ALS	1704861-47	SM 200.8
4/16/2017	10:17	1704861-48	Total	H	East	Mid Depth			N	ALS	1704861-48	SM 200.8
4/16/2017	7:55	1704861-49	Hex	Intake A			<2	U	N	ALS	1704861-49	SM 3500
4/16/2017	7:55	1704861-50	Hex	Intake B			<2	U	N	ALS	1704861-50	SM 3500
4/16/2017	8:04	1704861-51	Hex	002A			<2	U	N	ALS	1704861-51	SM 3500
4/16/2017	8:04	1704861-52	Hex	002B			<2	U	Y	ALS	1704861-52	SM 3500
4/16/2017	8:08	1704861-53	Hex	003A			<2	U	Y	ALS	1704861-53	SM 3500
4/16/2017	8:08	1704861-54	Hex	003B			<2	U	N	ALS	1704861-54	SM 3500
4/16/2017	8:55	1704861-55	Hex	004A			<2	U	N	ALS	1704861-55	SM 3500
4/16/2017	8:55	1704861-56	Hex	004B			<2	U	N	ALS	1704861-56	SM 3500
4/16/2017	7:55	1704861-49	Total	Intake A					N	ALS	1704861-49	SM 200.8
4/16/2017	7:55	1704861-50	Total	Intake B					N	ALS	1704861-50	SM 200.8
4/16/2017	8:04	1704861-51	Total	002A					N	ALS	1704861-51	SM 200.8
4/16/2017	8:04	1704861-52	Total	002B					Y	ALS	1704861-52	SM 200.8
4/16/2017	8:08	1704861-53	Total	003A					Y	ALS	1704861-53	SM 200.8
4/16/2017	8:08	1704861-54	Total	003B					N	ALS	1704861-54	SM 200.8
4/16/2017	8:55	1704861-55	Total	004A					N	ALS	1704861-55	SM 200.8
4/16/2017	8:55	1704861-56	Total	004B					N	ALS	1704861-56	SM 200.8
4/16/2017	8:48	1704861-57	Hex	005A			<2	U	N	ALS	1704861-57	SM 3500
4/16/2017	8:48	1704861-58	Hex	005B			<2	U	N	ALS	1704861-58	SM 3500
4/16/2017	8:01	1704861-59	Hex	006A			<2	U	N	ALS	1704861-59	SM 3500
4/16/2017	8:01	1704861-60	Hex	006B			<2	U	N	ALS	1704861-60	SM 3500
4/16/2017	7:58	1704861-61	Hex	007A			<2	U	N	ALS	1704861-61	SM 3500
4/16/2017	7:58	170456-62	Hex	007B			<2	U	Y	ALS	170456-62	SM 3500
4/16/2017	8:51	1704861-63	Hex	008A			<2	U	N	ALS	1704861-63	SM 3500
4/16/2017	8:51	1704861-64	Hex	008B			<2	U	N	ALS	1704861-64	SM 3500
4/16/2017	8:58	1704861-65	Hex	009A			<2	U	N	ALS	1704861-65	SM 3500
4/16/2017	8:58	1704861-66	Hex	009B			<2	U	Y	ALS	1704861-66	SM 3500
4/16/2017	8:48	1704861-57	Total	005A					N	ALS	1704861-57	SM 200.8
4/16/2017	8:48	1704861-58	Total	005B					N	ALS	1704861-58	SM 200.8
4/16/2017	8:01	1704861-59	Total	006A					N	ALS	1704861-59	SM 200.8
4/16/2017	8:01	1704861-60	Total	006B					N	ALS	1704861-60	SM 200.8
4/16/2017	7:58	1704861-61	Total	007A					N	ALS	1704861-61	SM 200.8
4/16/2017	7:58	170456-62	Total	007B					Y	ALS	170456-62	SM 200.8

4/16/2017	8:51	1704861-63	Total	008A					N	ALS	1704861-63	SM 200.8
4/16/2017	8:51	1704861-64	Total	008B					N	ALS	1704861-64	SM 200.8
4/16/2017	8:58	1704861-65	Total	009A					Y	ALS	1704861-65	SM 200.8
4/16/2017	8:58	1704861-66	Total	009B					N	ALS	1704861-66	SM 200.8
4/16/2017	9:01	1704861-67	Hex	010A			<2	U	N	ALS	1704861-67	SM 3500
4/16/2017	9:01	1704861-68	Hex	010B			<2	U	N	ALS	1704861-68	SM 3500
4/16/2017	9:15	1704861-69	Hex	11A			<2	U	N	ALS	1704861-69	SM 3500
4/16/2017	9:15	1704861-70	Hex	11B			<2	U	N	ALS	1704861-70	SM 3500
4/16/2017	9:25	1704861-71	Hex	12A			<2	U	N	ALS	1704861-71	SM 3500
4/16/2017	9:25	1704861-72	Hex	12B			<2	U	N	ALS	1704861-72	SM 3500
4/16/2017	9:01	1704861-67	Total	010A					N	ALS	1704861-67	SM 200.8
4/16/2017	9:01	1704861-68	Total	010B					N	ALS	1704861-68	SM 200.8
4/16/2017	9:15	1704861-69	Total	11A					N	ALS	1704861-69	SM 200.8
4/16/2017	9:15	1704861-70	Total	11B					N	ALS	1704861-70	SM 200.8
4/16/2017	9:25	1704861-71	Total	12A					N	ALS	1704861-71	SM 200.8
4/16/2017	9:25	1704861-72	Total	12B					N	ALS	1704861-72	SM 200.8
4/16/2017	8:48	1704861-73	Hex	005B DUP			<2	U	Y	ALS	1704861-73	SM 3500
4/16/2017	9:59	1704861-74	Hex	B2B DUP			<2	U	Y	ALS	1704861-74	SM 3500
4/16/2017	10:48	1704861-75	Hex	D2A DUP			<2	U	Y	ALS	1704861-75	SM 3500
4/16/2017	7:55	1704861-76	Hex	INTAKE A DUP			<2	U	Y	ALS	1704861-76	SM 3500
4/16/2017	8:48	1704861-73	Total	005B DUP					Y	ALS	1704861-73	SM 200.8
4/16/2017	9:59	1704861-74	Total	B2B DUP					Y	ALS	1704861-74	SM 200.8
4/16/2017	10:48	1704861-75	Total	D2A DUP					Y	ALS	1704861-75	SM 200.8
4/16/2017	7:55	1704861-76	Total	INTAKE A DUP					Y	ALS	1704861-76	SM 200.8
4/17/2017		1704908-1	Hex	A	West	Surface	<2	U	N	ALS	1704908-1	SM 3500
4/17/2017		1704908-2	Hex	A	West	Mid Depth	<2	U	N	ALS	1704908-2	SM 3500
4/17/2017		1704908-3	Hex	A	Center	Surface	<2	U	N	ALS	1704908-3	SM 3500
4/17/2017		1704908-4	Hex	A	Center	Mid Depth	<2	U	N	ALS	1704908-4	SM 3500
4/17/2017		1704908-5	Hex	A	East	Surface	<2	U	Y	ALS	1704908-5	SM 3500
4/17/2017		1704908-6	Hex	A	East	Mid Depth	<2	U	N	ALS	1704908-6	SM 3500
4/17/2017		1704908-1	Total	A	West	Surface			N	ALS	1704908-1	SM 200.8
4/17/2017		1704908-2	Total	A	West	Mid Depth			N	ALS	1704908-2	SM 200.8
4/17/2017		1704908-3	Total	A	Center	Surface			N	ALS	1704908-3	SM 200.8
4/17/2017		1704908-4	Total	A	Center	Mid Depth			N	ALS	1704908-4	SM 200.8
4/17/2017		1704908-5	Total	A	East	Surface			Y	ALS	1704908-5	SM 200.8
4/17/2017		1704908-6	Total	A	East	Mid Depth			N	ALS	1704908-6	SM 3500
4/17/2017		1704908-7	Hex	B	West	Surface	<2	U	N	ALS	1704908-7	SM 3500
4/17/2017		1704908-8	Hex	B	West	Mid Depth	<2	U	N	ALS	1704908-8	SM 3500
4/17/2017		1704908-9	Hex	B	Center	Surface	<2	U	N	ALS	1704908-9	SM 3500
4/17/2017		1704908-10	Hex	B	Center	Surface	<2	U	N	ALS	1704908-10	SM 3500
4/17/2017		1704908-11	Hex	B	East	Mid Depth	<2	U	N	ALS	1704908-11	SM 3500
4/17/2017		1704908-12	Hex	B	East	Mid Depth	<2	U	N	ALS	1704908-12	SM 3500
4/17/2017		1704908-7	Total	B	West	Surface			N	ALS	1704908-7	SM 200.8
4/17/2017		1704908-8	Total	B	West	Mid Depth			N	ALS	1704908-8	SM 200.8
4/17/2017		1704908-9	Total	B	Center	Surface			N	ALS	1704908-9	SM 200.8
4/17/2017		1704908-10	Total	B	Center	Mid Depth			N	ALS	1704908-10	SM 200.8
4/17/2017		1704908-11	Total	B	East	Surface			N	ALS	1704908-11	SM 200.8
4/17/2017		1704908-12	Total	B	East	Mid Depth			N	ALS	1704908-12	SM 200.8
4/17/2017		1704908-13	Hex	C	West	Surface	<2	U	N	ALS	1704908-13	SM 3500
4/17/2017		1704908-14	Hex	C	West	Mid Depth	<2	U	N	ALS	1704908-14	SM 3500
4/17/2017		1704908-15	Hex	C	Center	Surface	<2	U	N	ALS	1704908-15	SM 3500
4/17/2017		1704908-16	Hex	C	Center	Mid Depth	<2	U	N	ALS	1704908-16	SM 3500
4/17/2017		1704908-17	Hex	C	East	Surface	<2	U	N	ALS	1704908-17	SM 3500
4/17/2017		1704908-18	Hex	C	East	Mid Depth	<2	U	N	ALS	1704908-18	SM 3500
4/17/2017		1704908-13	Total	C	West	Surface			N	ALS	1704908-13	SM 200.8
4/17/2017		1704908-14	Total	C	West	Mid Depth			N	ALS	1704908-14	SM 200.8
4/17/2017		1704908-15	Total	C	Center	Surface			N	ALS	1704908-15	SM 200.8
4/17/2017		1704908-16	Total	C	Center	Mid Depth			N	ALS	1704908-16	SM 200.8

4/17/2017	1704908-17	Total	C	East	Surface			N	ALS	1704908-17	SM 200.8
4/17/2017	1704908-18	Total	C	East	Mid Depth			N	ALS	1704908-18	SM 200.8
4/17/2017	1704908-19	Hex	D	West	Surface	<2	U	N	ALS	1704908-19	SM 3500
4/17/2017	1704908-20	Hex	D	West	Mid Depth	<2	U	N	ALS	1704908-20	SM 3500
4/17/2017	1704908-21	Hex	D	Center	Surface	<2	U	N	ALS	1704908-21	SM 3500
4/17/2017	1704908-22	Hex	D	Center	Mid Depth	<2	U	N	ALS	1704908-22	SM 3500
4/17/2017	1704908-23	Hex	D	East	Surface	<2	U	N	ALS	1704908-23	SM 3500
4/17/2017	1704908-24	Hex	D	East	Mid Depth	<2	U	N	ALS	1704908-24	SM 3500
4/17/2017	1704908-19	Total	D	West	Surface			N	ALS	1704908-19	SM 200.8
4/17/2017	1704908-20	Total	D	West	Mid Depth			N	ALS	1704908-20	SM 200.8
4/17/2017	1704908-21	Total	D	Center	Surface			N	ALS	1704908-21	SM 200.8
4/17/2017	1704908-22	Total	D	Center	Mid Depth			N	ALS	1704908-22	SM 200.8
4/17/2017	1704908-23	Total	D	East	Surface			N	ALS	1704908-23	SM 200.8
4/17/2017	1704908-24	Total	D	East	Mid Depth			N	ALS	1704908-24	SM 200.8
4/17/2017	1704908-25	Hex	E	West	Surface	<2	U	N	ALS	1704908-25	SM 3500
4/17/2017	1704908-26	Hex	E	West	Mid Depth	<2	U	N	ALS	1704908-26	SM 3500
4/17/2017	1704908-27	Hex	E	Center	Surface	<2	U	N	ALS	1704908-27	SM 3500
4/17/2017	1704908-28	Hex	E	Center	Mid Depth	<2	U	N	ALS	1704908-28	SM 3500
4/17/2017	1704908-29	Hex	E	East	Surface	<2	U	N	ALS	1704908-29	SM 3500
4/17/2017	1704908-30	Hex	E	East	Mid Depth	<2	U	N	ALS	1704908-30	SM 3500
4/17/2017	1704908-25	Total	E	West	Surface			N	ALS	1704908-25	SM 200.8
4/17/2017	1704908-26	Total	E	West	Mid Depth			N	ALS	1704908-26	SM 200.8
4/17/2017	1704908-27	Total	E	Center	Surface			N	ALS	1704908-27	SM 200.8
4/17/2017	1704908-28	Total	E	Center	Mid Depth			N	ALS	1704908-28	SM 200.8
4/17/2017	1704908-29	Total	E	East	Surface			N	ALS	1704908-29	SM 200.8
4/17/2017	1704908-30	Total	E	East	Mid Depth			N	ALS	1704908-30	SM 200.8
4/17/2017	1704908-31	Hex	F	West	Surface	<2	U	N	ALS	1704908-31	SM 3500
4/17/2017	1704908-32	Hex	F	West	Mid Depth	<2	U	N	ALS	1704908-32	SM 3500
4/17/2017	1704908-33	Hex	F	Center	Surface	<2	U	N	ALS	1704908-33	SM 3500
4/17/2017	1704908-34	Hex	F	Center	Mid Depth	<2	U	N	ALS	1704908-34	SM 3500
4/17/2017	1704908-35	Hex	F	East	Surface	<2	U	N	ALS	1704908-35	SM 3500
4/17/2017	1704908-36	Hex	F	East	Mid Depth	<2	U	N	ALS	1704908-36	SM 3500
4/17/2017	1704908-31	Total	F	West	Surface			N	ALS	1704908-31	SM 200.8
4/17/2017	1704908-32	Total	F	West	Mid Depth			N	ALS	1704908-32	SM 200.8
4/17/2017	1704908-33	Total	F	Center	Surface			N	ALS	1704908-33	SM 200.8
4/17/2017	1704908-34	Total	F	Center	Mid Depth			N	ALS	1704908-34	SM 200.8
4/17/2017	1704908-35	Total	F	East	Surface			N	ALS	1704908-35	SM 200.8
4/17/2017	1704908-36	Total	F	East	Mid Depth			N	ALS	1704908-36	SM 200.8
4/17/2017	1704908-37	Hex	G	West	Surface	<2	U	N	ALS	1704908-37	SM 3500
4/17/2017	1704908-38	Hex	G	West	Mid Depth	<2	U	N	ALS	1704908-38	SM 3500
4/17/2017	1704908-39	Hex	G	Center	Surface	<2	U	N	ALS	1704908-39	SM 3500
4/17/2017	1704908-40	Hex	G	Center	Mid Depth	<2	U	N	ALS	1704908-40	SM 3500
4/17/2017	1704908-41	Hex	G	East	Surface	<2	U	N	ALS	1704908-41	SM 3500
4/17/2017	1704908-42	Hex	G	East	Mid Depth	<2	U	N	ALS	1704908-42	SM 3500
4/17/2017	1704908-37	Total	G	West	Surface			N	ALS	1704908-37	SM 200.8
4/17/2017	1704908-38	Total	G	West	Mid Depth			N	ALS	1704908-38	SM 200.8
4/17/2017	1704908-39	Total	G	Center	Surface			N	ALS	1704908-39	SM 200.8
4/17/2017	1704908-40	Total	G	Center	Mid Depth			N	ALS	1704908-40	SM 200.8
4/17/2017	1704908-41	Total	G	East	Surface			N	ALS	1704908-41	SM 200.8
4/17/2017	1704908-42	Total	G	East	Mid Depth			N	ALS	1704908-42	SM 200.8
4/17/2017	1704908-43	Hex	H	West	Surface	<2	U	N	ALS	1704908-43	SM 3500
4/17/2017	1704908-44	Hex	H	West	Mid Depth	<2	U	N	ALS	1704908-44	SM 3500
4/17/2017	1704908-45	Hex	H	Center	Surface	<2	U	N	ALS	1704908-45	SM 3500
4/17/2017	1704908-46	Hex	H	Center	Mid Depth	<2	U	N	ALS	1704908-46	SM 3500
4/17/2017	1704908-47	Hex	H	East	Surface	<2	U	N	ALS	1704908-47	SM 3500
4/17/2017	1704908-48	Hex	H	East	Mid Depth	<2	U	N	ALS	1704908-48	SM 3500
4/17/2017	1704908-43	Total	H	West	Surface			N	ALS	1704908-43	SM 200.8
4/17/2017	1704908-44	Total	H	West	Mid Depth			N	ALS	1704908-44	SM 200.8
4/17/2017	1704908-45	Total	H	Center	Surface			N	ALS	1704908-45	SM 200.8
4/17/2017	1704908-46	Total	H	Center	Mid Depth			N	ALS	1704908-46	SM 200.8

4/17/2017		1704908-47	Total	H	East	Surface			N	ALS	1704908-47	SM 200.8
4/17/2017		1704908-48	Total	H	East	Mid Depth			N	ALS	1704908-48	SM 200.8
4/17/2017		1704908-49	Hex	Intake A			<2	U	N	ALS	1704908-49	SM 3500
4/17/2017		1704908-50	Hex	Intake B			<2	U	N	ALS	1704908-50	SM 3500
4/17/2017		1704908-51	Hex	002A			<2	U	N	ALS	1704908-51	SM 3500
4/17/2017		1704908-52	Hex	002B			<2	U	Y	ALS	1704908-52	SM 3500
4/17/2017		1704908-53	Hex	003A			<2	U	Y	ALS	1704908-53	SM 3500
4/17/2017		1704908-54	Hex	003B			<2	U	N	ALS	1704908-54	SM 3500
4/17/2017		1704908-55	Hex	004A			<2	U	N	ALS	1704908-55	SM 3500
4/17/2017		1704908-56	Hex	004B			<2	U	N	ALS	1704908-56	SM 3500
4/17/2017		1704908-49	Total	Intake A					N	ALS	1704908-49	SM 200.8
4/17/2017		1704908-50	Total	Intake B					N	ALS	1704908-50	SM 200.8
4/17/2017		1704908-51	Total	002A					N	ALS	1704908-51	SM 200.8
4/17/2017		1704908-52	Total	002B					Y	ALS	1704908-52	SM 200.8
4/17/2017		1704908-53	Total	003A					Y	ALS	1704908-53	SM 200.8
4/17/2017		1704908-54	Total	003B					N	ALS	1704908-54	SM 200.8
4/17/2017		1704908-55	Total	004A					N	ALS	1704908-55	SM 200.8
4/17/2017		1704908-56	Total	004B					N	ALS	1704908-56	SM 200.8
4/17/2017		1704908-57	Hex	005A			<2	U	N	ALS	1704908-57	SM 3500
4/17/2017		1704908-58	Hex	005B			<2	U	N	ALS	1704908-58	SM 3500
4/17/2017		1704908-59	Hex	006A			<2	U	N	ALS	1704908-59	SM 3500
4/17/2017		1704908-60	Hex	006B			<2	U	N	ALS	1704908-60	SM 3500
4/17/2017		1704908-61	Hex	007A			<2	U	N	ALS	1704908-61	SM 3500
4/17/2017		170456-62	Hex	007B			<2	U	Y	ALS	170456-62	SM 3500
4/17/2017		1704908-63	Hex	008A			<2	U	N	ALS	1704908-63	SM 3500
4/17/2017		1704908-64	Hex	008B			<2	U	N	ALS	1704908-64	SM 3500
4/17/2017		1704908-65	Hex	009A			<2	U	N	ALS	1704908-65	SM 3500
4/17/2017		1704908-66	Hex	009B			<2	U	Y	ALS	1704908-66	SM 3500
4/17/2017		1704908-57	Total	005A					N	ALS	1704908-57	SM 200.8
4/17/2017		1704908-58	Total	005B					N	ALS	1704908-58	SM 200.8
4/17/2017		1704908-59	Total	006A					N	ALS	1704908-59	SM 200.8
4/17/2017		1704908-60	Total	006B					N	ALS	1704908-60	SM 200.8
4/17/2017		1704908-61	Total	007A					N	ALS	1704908-61	SM 200.8
4/17/2017		170456-62	Total	007B					Y	ALS	170456-62	SM 200.8
4/17/2017		1704908-63	Total	008A					N	ALS	1704908-63	SM 200.8
4/17/2017		1704908-64	Total	008B					N	ALS	1704908-64	SM 200.8
4/17/2017		1704908-65	Total	009A					Y	ALS	1704908-65	SM 200.8
4/17/2017		1704908-66	Total	009B					N	ALS	1704908-66	SM 200.8
4/17/2017		1704908-67	Hex	010A			<2	U	N	ALS	1704908-67	SM 3500
4/17/2017		1704908-68	Hex	010B			<2	U	N	ALS	1704908-68	SM 3500
4/17/2017		1704908-69	Hex	11A			<2	U	N	ALS	1704908-69	SM 3500
4/17/2017		1704908-70	Hex	11B			<2	U	N	ALS	1704908-70	SM 3500
4/17/2017		1704908-71	Hex	12A			<2	U	N	ALS	1704908-71	SM 3500
4/17/2017		1704908-72	Hex	12B			<2	U	N	ALS	1704908-72	SM 3500
4/17/2017		1704908-67	Total	010A					N	ALS	1704908-67	SM 200.8
4/17/2017		1704908-68	Total	010B					N	ALS	1704908-68	SM 200.8
4/17/2017		1704908-69	Total	11A					N	ALS	1704908-69	SM 200.8
4/17/2017		1704908-70	Total	11B					N	ALS	1704908-70	SM 200.8
4/17/2017		1704908-71	Total	12A					N	ALS	1704908-71	SM 200.8
4/17/2017		1704908-72	Total	12B					N	ALS	1704908-72	SM 200.8
4/18/2017	11:02	1704989-01A	Hex	A1A					N	ALS		SM 3500
4/18/2017	11:02	1704989-02A	Hex	A1B					N	ALS		SM 3500
4/18/2017	10:59	1704989-03A	Hex	A2A					N	ALS		SM 3500
4/18/2017	10:59	1704989-04A	Hex	A2B					N	ALS		SM 3500
4/18/2017	10:56	1704989-05A	Hex	A3A					N	ALS		SM 3500
4/18/2017	10:56	1704989-06A	Hex	A3B					N	ALS		SM 3500
4/18/2017	11:14	1704989-07A	Hex	B1A					N	ALS		SM 3500
4/18/2017	11:14	1704989-08A	Hex	B1B					N	ALS		SM 3500
4/18/2017	11:12	1704989-09A	Hex	B2A					N	ALS		SM 3500

4/18/2017	11:12	1704989-10A	Hex	B2B	N	ALS	SM 3500
4/18/2017	11:10	1704989-11A	Hex	B3A	N	ALS	SM 3500
4/18/2017	11:10	1704989-12A	Hex	B3B	N	ALS	SM 3500
4/18/2017	11:54	1704989-13A	Hex	C1A	N	ALS	SM 3500
4/18/2017	11:54	1704989-14A	Hex	C1B	N	ALS	SM 3500
4/18/2017	11:56	1704989-15A	Hex	C2A	N	ALS	SM 3500
4/18/2017	11:56	1704989-16A	Hex	C2B	N	ALS	SM 3500
4/18/2017	11:58	1704989-17A	Hex	C3A	N	ALS	SM 3500
4/18/2017	11:58	1704989-18A	Hex	C3B	N	ALS	SM 3500
4/18/2017	11:48	1704989-19A	Hex	D1A	N	ALS	SM 3500
4/18/2017	11:48	1704989-20A	Hex	D1B	N	ALS	SM 3500
4/18/2017	11:58	1704989-21A	Hex	D2A	N	ALS	SM 3500
4/18/2017	11:58	1704989-22A	Hex	D2B	N	ALS	SM 3500
4/18/2017	11:52	1704989-23A	Hex	D3A	N	ALS	SM 3500
4/18/2017	11:52	1704989-24A	Hex	D3B	N	ALS	SM 3500
4/18/2017	11:46	1704989-25A	Hex	E1A	N	ALS	SM 3500
4/18/2017	11:46	1704989-26A	Hex	E1B	N	ALS	SM 3500
4/18/2017	11:44	1704989-27A	Hex	E2A	N	ALS	SM 3500
4/18/2017	11:44	1704989-28A	Hex	E2B	N	ALS	SM 3500
4/18/2017	11:42	1704989-29A	Hex	E3A	N	ALS	SM 3500
4/18/2017	11:42	1704989-30A	Hex	E3B	N	ALS	SM 3500
4/18/2017	11:36	1704989-31A	Hex	F1A	N	ALS	SM 3500
4/18/2017	11:36	1704989-32A	Hex	F1B	N	ALS	SM 3500
4/18/2017	11:38	1704989-33A	Hex	F2A	N	ALS	SM 3500
4/18/2017	11:38	1704989-34A	Hex	F2B	N	ALS	SM 3500
4/18/2017	11:40	1704989-35A	Hex	F3A	N	ALS	SM 3500
4/18/2017	11:40	1704989-36A	Hex	F3B	N	ALS	SM 3500
4/18/2017	11:34	1704989-37A	Hex	G1A	N	ALS	SM 3500
4/18/2017	11:34	1704989-38A	Hex	G1B	N	ALS	SM 3500
4/18/2017	11:32	1704989-39A	Hex	G2A	N	ALS	SM 3500
4/18/2017	11:32	1704989-40A	Hex	G2B	N	ALS	SM 3500
4/18/2017	11:30	1704989-41A	Hex	G3A	N	ALS	SM 3500
4/18/2017	11:30	1704989-42A	Hex	G3B	N	ALS	SM 3500
4/18/2017	11:24	1704989-43A	Hex	H1A	N	ALS	SM 3500
4/18/2017	11:24	1704989-44A	Hex	H1B	N	ALS	SM 3500
4/18/2017	11:26	1704989-45A	Hex	H2A	N	ALS	SM 3500
4/18/2017	11:26	1704989-46A	Hex	H2B	N	ALS	SM 3500
4/18/2017	11:28	1704989-47A	Hex	H3A	N	ALS	SM 3500
4/18/2017	11:28	1704989-48A	Hex	H3B	N	ALS	SM 3500
4/18/2017	10:09	1704989-49A	Hex	INTAKE A	N	ALS	SM 3500
4/18/2017	10:09	1704989-50A	Hex	INTAKE B	N	ALS	SM 3500
4/18/2017	10:36	1704989-51A	Hex	002 A	N	ALS	SM 3500
4/18/2017	10:36	1704989-52A	Hex	002 B	N	ALS	SM 3500
4/18/2017	10:39	1704989-53A	Hex	003 A	N	ALS	SM 3500
4/18/2017	10:39	1704989-54A	Hex	003 B	N	ALS	SM 3500
4/18/2017	9:46	1704989-55A	Hex	004 A	N	ALS	SM 3500
4/18/2017	9:46	1704989-56A	Hex	004 B	N	ALS	SM 3500
4/18/2017	9:49	1704989-57A	Hex	005 A	N	ALS	SM 3500
4/18/2017	9:49	1704989-58A	Hex	005 B	N	ALS	SM 3500
4/18/2017	10:33	1704989-59A	Hex	006 A	N	ALS	SM 3500
4/18/2017	10:33	1704989-60A	Hex	006 B	N	ALS	SM 3500
4/18/2017	10:30	1704989-61A	Hex	007 A	N	ALS	SM 3500
4/18/2017	15:30	1704989-62A	Hex	007 B	N	ALS	SM 3500
4/18/2017	9:54	1704989-63A	Hex	008 A	N	ALS	SM 3500
4/18/2017	9:54	1704989-64A	Hex	008 B	N	ALS	SM 3500
4/18/2017	9:57	1704989-65A	Hex	009 A	N	ALS	SM 3500
4/18/2017	9:57	1704989-66A	Hex	009 B	N	ALS	SM 3500
4/18/2017	10:00	1704989-67A	Hex	010 A	N	ALS	SM 3500
4/18/2017	10:00	1704989-68A	Hex	010 B	N	ALS	SM 3500
4/18/2017	10:03	1704989-69A	Hex	011 A	N	ALS	SM 3500

4/18/2017	10:03	1704989-70A	Hex	011 B	N	ALS	SM 3500
4/18/2017	10:06	1704989-71A	Hex	012 A	N	ALS	SM 3500
4/18/2017	10:06	1704989-72A	Hex	012 B	N	ALS	SM 3500
4/18/2017	11:12	1704989-79A	Hex	B2A DUP	Y	ALS	SM 3500
4/18/2017	10:56	1704989-80A	Hex	C2A DUP	Y	ALS	SM 3500
4/18/2017	10:09	1704989-81A	Hex	INTAKE A DUP	Y	ALS	SM 3500
4/18/2017	10:39	1704989-82A	Hex	003A DUP	Y	ALS	SM 3500

Appendix E: April 11, 2017, Chromium Incident Data Summaries and Figures

EPA Data Summary (provided by EPA On-Scene Coordinators)

EPA Data Summary

Sample #	Location	Lab Matr	Analysis	Result	Units	Lab Qualifi	MDL	Event	Date
USS-SW-D01-041117	Outfall 004	Water	Hexavalent Chromium	990	ug/L		1	Surface Water Sampling 4/	4/11/2017
USS-SW-A001-A-041117	A1	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-A002-A-041117	A2	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-A003-A-041117	A3	Water	Hexavalent Chromium	1.4	ug/L		1.25	Surface Water Sampling 4/	4/11/2017
USS-SW-B001-A-041117	B1	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-B002-A-041117	B2	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-B003-A-041117	B3	Water	Hexavalent Chromium	1.25	ug/L	U	1.25	Surface Water Sampling 4/	4/11/2017
USS-SW-C001-A-041117	C1	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-C002-A-041117	C2	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-C003-A-041117	C3	Water	Hexavalent Chromium	949	ug/L		2	Surface Water Sampling 4/	4/11/2017
USS-SW-D001-A-041117	D1	Water	Hexavalent Chromium	3.1	ug/L	J	2	Surface Water Sampling 4/	4/11/2017
USS-SW-D002-A-041117	D2	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-D003-A-041117	D3	Water	Hexavalent Chromium	39.7	ug/L		1.25	Surface Water Sampling 4/	4/11/2017
USS-SW-E001-A-041117	E1	Water	Hexavalent Chromium	18	ug/L		2	Surface Water Sampling 4/	4/11/2017
USS-SW-E002-A-041117	E2	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-E003-A-041117	E3	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-F001-A-041117	F1	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-F002-A-041117	F2	Water	Hexavalent Chromium	2	ug/L	U	2	Surface Water Sampling 4/	4/11/2017
USS-SW-F003-A-041117	F3	Water	Hexavalent Chromium	38.7	ug/L		1.25	Surface Water Sampling 4/	4/11/2017
USS-SW-G001-A-041117	G1	Water	Hexavalent Chromium	3.1	ug/L	J	2	Surface Water Sampling 4/	4/11/2017
USS-SW-G002-A-041117	G2	Water	Hexavalent Chromium	17	ug/L		2	Surface Water Sampling 4/	4/11/2017
USS-SW-G003-A-041117	G3	Water	Hexavalent Chromium	23.4	ug/L		1.25	Surface Water Sampling 4/	4/11/2017
USS-DW-Wetwell-041217	Odgen Dunes Wetwell	Water	Total Chromium	0.94	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-DW-Wetwell-041217	Odgen Dunes Wetwell	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-002-A-041217	SW-2	Water	Hexavalent Chromium	2.6	ug/L	J	1	Surface Water Sampling 4/	4/12/2017
USS-SW-002-A-041217	SW-2	Water	Total Chromium	4.7	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-002-B-041217	SW-2	Water	Hexavalent Chromium	2.6	ug/L	J	1	Surface Water Sampling 4/	4/12/2017
USS-SW-002-B-041217	SW-2	Water	Total Chromium	4.9	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-003-A-041217	SW-3	Water	Hexavalent Chromium	2.5	ug/L	J	1	Surface Water Sampling 4/	4/12/2017
USS-SW-003-A-041217	SW-3	Water	Total Chromium	4.9	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-003-B-041217	SW-3	Water	Hexavalent Chromium	2.9	ug/L	J	1	Surface Water Sampling 4/	4/12/2017
USS-SW-003-B-041217	SW-3	Water	Total Chromium	5.5	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-004-A-041217	SW-4	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/	4/12/2017
USS-SW-004-A-041217	SW-4	Water	Total Chromium	4.4	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-004-B-041217	SW-4	Water	Hexavalent Chromium	2.1	ug/L	J	1	Surface Water Sampling 4/	4/12/2017
USS-SW-004-B-041217	SW-4	Water	Total Chromium	4.6	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-A001-A-041217	A1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-A001-A-041217	A1	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-A001-B-041217	A1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-A001-B-041217	A1	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-A002-A-041217	A2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-A002-A-041217	A2	Water	Total Chromium	1.9	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-A002-B-041217	A2	Water	Hexavalent Chromium	2.4	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-A002-B-041217	A2	Water	Total Chromium	1.9	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-A003-A-041217	A3	Water	Hexavalent Chromium	2.4	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-A003-A-041217	A3	Water	Total Chromium	1.9	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-A003-B-041217	A3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-A003-B-041217	A3	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-B001-A-041217	B1	Water	Hexavalent Chromium	2.2	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-B001-A-041217	B1	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-B001-B-041217	B1	Water	Hexavalent Chromium	2.1	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-B001-B-041217	B1	Water	Total Chromium	2	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-B002-A-041217	B2	Water	Hexavalent Chromium	2.2	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-B002-A-041217	B2	Water	Total Chromium	2.1	ug/L		0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-B002-B-041217	B2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-B002-B-041217	B2	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-B003-A-041217	B3	Water	Hexavalent Chromium	4.5	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-B003-A-041217	B3	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-B003-B-041217	B3	Water	Hexavalent Chromium	3.1	ug/L	JH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-B003-B-041217	B3	Water	Total Chromium	1.9	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-C001-A-041217	C1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-C001-A-041217	C1	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-C001-B-041217	C1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017
USS-SW-C001-B-041217	C1	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/	4/12/2017
USS-SW-C002-A-041217	C2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/	4/12/2017

USS-SW-C002-A-041217	C2	Water	Total Chromium	1.7 ug/L	J	0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-C002-B-041217	C2	Water	Hexavalent Chromium	2.6 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-C002-B-041217	C2	Water	Total Chromium	9.4 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-C003-A-041217	C3	Water	Hexavalent Chromium	2.6 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-C003-A-041217	C3	Water	Total Chromium	2.6 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-C003-B-041217	C3	Water	Hexavalent Chromium	2.1 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-C003-B-041217	C3	Water	Total Chromium	2.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-D001-A-041217	D1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-D001-A-041217	D1	Water	Total Chromium	2.8 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-D001-B-041217	D1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-D001-B-041217	D1	Water	Total Chromium	2.5 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-D002-A-041217	D2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-D002-A-041217	D2	Water	Total Chromium	2 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-D002-B-041217	D2	Water	Hexavalent Chromium	2.5 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-D002-B-041217	D2	Water	Total Chromium	2.3 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-D003-A-041217	D3	Water	Hexavalent Chromium	2.2 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-D003-A-041217	D3	Water	Total Chromium	9.2 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-D003-B-041217	D3	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-D003-B-041217	D3	Water	Total Chromium	8.8 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-E001-A-041217	E1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-E001-A-041217	E1	Water	Total Chromium	2.6 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-E001-B-041217	E1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-E001-B-041217	E1	Water	Total Chromium	2.5 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-E002-A-041217	E2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-E002-A-041217	E2	Water	Total Chromium	2.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-E002-B-041217	E2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-E002-B-041217	E2	Water	Total Chromium	2.6 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-E003-A-041217	E3	Water	Hexavalent Chromium	2.2 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-E003-A-041217	E3	Water	Total Chromium	5.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-E003-B-041217	E3	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-E003-B-041217	E3	Water	Total Chromium	6.5 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-F001-A-041217	F1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-F001-A-041217	F1	Water	Total Chromium	2.6 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-F001-B-041217	F1	Water	Hexavalent Chromium	2.3 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-F001-B-041217	F1	Water	Total Chromium	3.4 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-F002-A-041217	F2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-F002-A-041217	F2	Water	Total Chromium	2.4 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-F002-B-041217	F2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-F002-B-041217	F2	Water	Total Chromium	2.5 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-F003-A-041217	F3	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-F003-A-041217	F3	Water	Total Chromium	7.2 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-F003-B-041217	F3	Water	Hexavalent Chromium	2.3 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-F003-B-041217	F3	Water	Total Chromium	6.9 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-G001-A-041217	G1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-G001-A-041217	G1	Water	Total Chromium	5.8 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-G001-B-041217	G1	Water	Hexavalent Chromium	3.6 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-G001-B-041217	G1	Water	Total Chromium	5.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-G002-A-041217	G2	Water	Hexavalent Chromium	2.4 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-G002-A-041217	G2	Water	Total Chromium	7.1 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-G002-B-041217	G2	Water	Hexavalent Chromium	2.2 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-G002-B-041217	G2	Water	Total Chromium	6.1 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-G003-A-041217	G3	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-G003-A-041217	G3	Water	Total Chromium	7.1 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-G003-B-041217	G3	Water	Hexavalent Chromium	2.1 ug/L	JH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-G003-B-041217	G3	Water	Total Chromium	7.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-H001-A-041217	H1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-H001-A-041217	H1	Water	Total Chromium	6.3 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-H001-B-041217	H1	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-H001-B-041217	H1	Water	Total Chromium	6.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-H002-A-041217	H2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-H002-A-041217	H2	Water	Total Chromium	9.7 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-H002-B-041217	H2	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-H002-B-041217	H2	Water	Total Chromium	15 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-H003-A-041217	H3	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-H003-A-041217	H3	Water	Total Chromium	8.5 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-H003-B-041217	H3	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-H003-B-041217	H3	Water	Total Chromium	9.1 ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-Intake-A-041217	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017

USS-SW-Intake-A-041217	Drinking Water Source (Not actual location)	Water	Total Chromium	2.1	ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-Intake-A-041217-D	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-Intake-A-041217-D	Drinking Water Source (Not actual location)	Water	Total Chromium	1.4	ug/L	J	0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-Intake-B-041217	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/12/2017
USS-SW-Intake-B-041217	Drinking Water Source (Not actual location)	Water	Total Chromium	2	ug/L		0.6	Surface Water Sampling 4/ 4/12/2017
USS-SW-002A-041317	SW-2	Water	Hexavalent Chromium	2.2	ug/L	J	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-002A-041317	SW-2	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-002A-041317-D	SW-2	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-002B-041317	SW-2	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-002B-041317	SW-2	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-002B-041317-D	SW-2	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-002B-041317-D	SW-2	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-003A-041317	SW-3	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-003A-041317	SW-3	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-003B-041317	SW-3	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-003B-041317	SW-3	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-003B-041317-D	SW-3	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-004A-041317	SW-4	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-004A-041317	SW-4	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-004B-041317	SW-4	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-004B-041317	SW-4	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-004B-041317-D	SW-4	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-004B-041317-D	SW-4	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-005A-041317	SW-5	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-005A-041317	SW-5	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-005B-041317	SW-5	Water	Hexavalent Chromium	1	ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-005B-041317	SW-5	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-005B-041317-D	SW-5	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-A001-A-041317	A1	Water	Hexavalent Chromium	2.2	ug/L	JH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A001-A-041317	A1	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-A001-B-041317	A1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A001-B-041317	A1	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-A002-A-041317	A2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A002-A-041317	A2	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-A002-B-041317	A2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A002-B-041317	A2	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-A003-A-041317	A3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A003-A-041317	A3	Water	Total Chromium	1.4	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-A003-A-041317-D	A3	Water	Hexavalent Chromium	2	ug/L	JH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A003-B-041317	A3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-A003-B-041317	A3	Water	Total Chromium	1.3	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-B001-A-041317	B1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-B001-A-041317	B1	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-B001-B-041317	B1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-B001-B-041317	B1	Water	Total Chromium	1.4	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-B002-A-041317	B2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-B002-A-041317	B2	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-B002-B-041317	B2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-B002-B-041317	B2	Water	Total Chromium	1	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-B003-A-041317	B3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-B003-A-041317	B3	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-B003-B-041317	B3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-B003-B-041317	B3	Water	Total Chromium	1	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-BB02-041317	Boaters Beach 02	Aqueous	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-BB02-041317-D	Boaters Beach 02	Aqueous	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C001-A-041317	C1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C001-A-041317	C1	Water	Total Chromium	1	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-C001-A-041317-D	C1	Water	Total Chromium	1	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-C001-B-041317	C1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C001-B-041317	C1	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-C002-A-041317	C2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C002-A-041317	C2	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017

USS-SW-C002-B-041317	C2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C002-B-041317	C2	Water	Total Chromium	1.4	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-C003-A-041317	C3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C003-A-041317	C3	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-C003-B-041317	C3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-C003-B-041317	C3	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-D001-A-041317	D1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-D001-A-041317	D1	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-D001-B-041317	D1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-D001-B-041317	D1	Water	Total Chromium	3	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-D002-A-041317	D2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-D002-A-041317	D2	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-D002-B-041317	D2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-D002-B-041317	D2	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-D003-A-041317	D3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-D003-A-041317	D3	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-D003-B-041317	D3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-D003-B-041317	D3	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-DB02-041317	Dunbar Beach 02	Aqueous	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E001-A-041317	E1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E001-A-041317	E1	Water	Total Chromium	2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-E001-B-041317	E1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E001-B-041317	E1	Water	Total Chromium	2.2	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-E002-A-041317	E2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E002-A-041317	E2	Water	Total Chromium	2.9	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-E002-B-041317	E2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E002-B-041317	E2	Water	Total Chromium	2.1	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-E003-A-041317	E3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E003-A-041317	E3	Water	Total Chromium	1.7	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-E003-B-041317	E3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-E003-B-041317	E3	Water	Total Chromium	1.9	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F001-A-041317	F1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-F001-A-041317	F1	Water	Total Chromium	6.9	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F001-B-041317	F1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-F001-B-041317	F1	Water	Total Chromium	2.1	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F001-B-041317-D	F1	Water	Total Chromium	2.1	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F002-A-041317	F2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-F002-A-041317	F2	Water	Total Chromium	2.3	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F002-B-041317	F2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-F002-B-041317	F2	Water	Total Chromium	2.6	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F003-A-041317	F3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-F003-A-041317	F3	Water	Total Chromium	2.9	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F003-A-041317-D	F3	Water	Total Chromium	2.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-F003-B-041317	F3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-F003-B-041317	F3	Water	Total Chromium	2.3	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G001-A-041317	G1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G001-A-041317	G1	Water	Total Chromium	1.5	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G001-B-041317	G1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G001-B-041317	G1	Water	Total Chromium	1.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G001-B-041317-D	G1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G001-B-041317-D	G1	Water	Total Chromium	2.6	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G002-A-041317	G2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G002-A-041317	G2	Water	Total Chromium	1.3	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G002-B-041317	G2	Water	Hexavalent Chromium	2.2	ug/L	JH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G002-B-041317	G2	Water	Total Chromium	2	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G003-A-041317	G3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G003-A-041317	G3	Water	Total Chromium	2.8	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-G003-B-041317	G3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-G003-B-041317	G3	Water	Total Chromium	3.2	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-H001-A-041317	H1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-H001-A-041317	H1	Water	Total Chromium	3	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-H001-B-041317	H1	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-H001-B-041317	H1	Water	Total Chromium	3.1	ug/L		0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-H002-A-041317	H2	Water	Hexavalent Chromium	3	ug/L	JH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-H002-A-041317	H2	Water	Total Chromium	3.2	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-H002-B-041317	H2	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-H002-B-041317	H2	Water	Total Chromium	1.4	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-H003-A-041317	H3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-H003-A-041317	H3	Water	Total Chromium	1.8	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-H003-B-041317	H3	Water	Hexavalent Chromium	1	ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-H003-B-041317	H3	Water	Total Chromium	1.9	ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017

USS-SW-INTAKE-A-041317	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	1 ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-INTAKE-A-041317	Drinking Water Source (Not actual location)	Water	Total Chromium	2 ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-INTAKE-A-041317-D	Drinking Water Source (Not actual location)	Water	Total Chromium	1.8 ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-INTAKE-B-041317	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	1 ug/L	U	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-INTAKE-B-041317	Drinking Water Source (Not actual location)	Water	Total Chromium	1.9 ug/L	J	0.6	Surface Water Sampling 4/ 4/13/2017
USS-SW-KB02-041317	Kemil Beach 02	Aqueous	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-OD02-041317	Ogden Dunes 02	Aqueous	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-PB02-041317	Porter Beach 02	Aqueous	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-PL02-041317	Portage Lakefront 02	Aqueous	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-WB02-041317	West Beach 02	Aqueous	Hexavalent Chromium	1 ug/L	UH	1	Surface Water Sampling 4/ 4/13/2017
USS-SW-002A-041417	SW-2	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-002A-041417	SW-2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-002B-041417	SW-2	Water	Chromium	1.6 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-002B-041417	SW-2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-003A-041417	SW-3	Water	Chromium	1.2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-003A-041417	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-003B-041417	SW-3	Water	Chromium	1.6 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-003B-041417	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-004A-041417	SW-4	Water	Chromium	1.5 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-004A-041417	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-004B-041417	SW-4	Water	Chromium	0.58 ug/L	U	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-004B-041417	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-004B-041417-D	SW-4	Water	Chromium	2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-004B-041417-D	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-005A-041417	SW-5	Water	Chromium	0.84 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-005A-041417	SW-5	Water	Hexavalent Chromium	0.4 ug/L	J	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-005B-041417	SW-5	Water	Chromium	0.58 ug/L	U	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-005B-041417	SW-5	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-006A-041417	SW-6	Water	Chromium	1.5 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-006A-041417	SW-6	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-006B-041417	SW-6	Water	Chromium	1.2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-006B-041417	SW-6	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-007-A-041417	SW-7	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-007-A-041417	SW-7	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-007-B-041417	SW-7	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-007-B-041417	SW-7	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-008-A-041417	SW-8	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-008-A-041417	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-008-B-041417	SW-8	Water	Chromium	1.2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-008-B-041417	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-009-A-041417	SW-9	Water	Chromium	0.58 ug/L	U	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-009-A-041417	SW-9	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-009-B-041417	SW-9	Water	Chromium	1.3 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-009-B-041417	SW-9	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-010-A-041417	SW-10	Water	Chromium	0.86 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-010-A-041417	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-010-A-041417-D	SW-10	Water	Chromium	0.98 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-010-A-041417-D	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-010-B-041417	SW-10	Water	Chromium	0.94 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-010-B-041417	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-011-A-041417	SW-11	Water	Chromium	0.69 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-011-A-041417	SW-11	Water	Hexavalent Chromium	0.6 ug/L	J	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-011-B-041417	SW-11	Water	Chromium	1.2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-011-B-041417	SW-11	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-012-A-041417	SW-12	Water	Chromium	0.99 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-012-A-041417	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-012-B-041417	SW-12	Water	Chromium	1.5 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-012-B-041417	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A001-A-041417	A1	Water	Chromium	1.2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-A001-A-041417	A1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A001-A-041417-D	A1	Water	Chromium	1.2 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017

USS-SW-A001-A-041417-D	A1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A001-B-041417	A1	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-A001-B-041417	A1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A002-A-041417	A2	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-A002-A-041417	A2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A002-B-041417	A2	Water	Chromium	1.1	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-A002-B-041417	A2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A003-A-041417	A3	Water	Chromium	1.3	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-A003-A-041417	A3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-A003-B-041417	A3	Water	Chromium	1.8	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-A003-B-041417	A3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-B001-A-041417	B1	Water	Chromium	1.7	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-B001-A-041417	B1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-B001-B-041417	B1	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-B001-B-041417	B1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-B002-A-041417	B2	Water	Chromium	1.5	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-B002-A-041417	B2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-B002-B-041417	B2	Water	Chromium	1.3	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-B002-B-041417	B2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-B003-A-041417	B3	Water	Chromium	1.9	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-B003-A-041417	B3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-B003-B-041417	B3	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-B003-B-041417	B3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-BB02-041417	Boaters Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C001-A-041417	C1	Water	Chromium	1.7	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C001-A-041417	C1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C001-B-041417	C1	Water	Chromium	1.9	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C001-B-041417	C1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C002-A-041417	C2	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C002-A-041417	C2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C002-B-041417	C2	Water	Hexavalent Chromium	0.4	ug/L	J	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C002-B-041417	C2	Water	Chromium	1.3	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C002-B-041417-D	C2	Water	Chromium	1.8	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C002-B-041417-D	C2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C003-A-041417	C3	Water	Chromium	4.3	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C003-A-041417	C3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-C003-B-041417	C3	Water	Chromium	5.7	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-C003-B-041417	C3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-D001-A-041417	D1	Water	Chromium	1.8	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-D001-A-041417	D1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-D001-B-041417	D1	Water	Chromium	2	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-D001-B-041417	D1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-D002-A-041417	D2	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-D002-A-041417	D2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-D002-B-041417	D2	Water	Chromium	0.91	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-D002-B-041417	D2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-D003-A-041417	D3	Water	Chromium	1.3	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-D003-A-041417	D3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-D003-B-041417	D3	Water	Chromium	1.9	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-D003-B-041417	D3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-DB02-041417	Dunbar Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E001-A-041417	E1	Water	Chromium	1.6	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E001-A-041417	E1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E001-A-041417-D	E1	Water	Chromium	1.6	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E001-A-041417-D	E1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E001-B-041417	E1	Water	Chromium	0.78	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E001-B-041417	E1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E002-A-041417	E2	Water	Chromium	2	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E002-A-041417	E2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E002-B-041417	E2	Water	Chromium	0.9	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E002-B-041417	E2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E003-A-041417	E3	Water	Chromium	2.7	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E003-A-041417	E3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-E003-B-041417	E3	Water	Chromium	1.8	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-E003-B-041417	E3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F001-A-041417	F1	Water	Hexavalent Chromium	0.4	ug/L	J	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F001-A-041417	F1	Water	Chromium	1.6	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-F001-B-041417	F1	Water	Chromium	0.68	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-F001-B-041417	F1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F001-B-041417-D	F1	Water	Chromium	1.4	ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-F001-B-041417-D	F1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F002-A-041417	F2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017

USS-SW-F002-A-041417	F2	Water	Chromium	1 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-F002-B-041417	F2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F002-B-041417	F2	Water	Chromium	1.7 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-F003-A-041417	F3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F003-A-041417	F3	Water	Chromium	1.5 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-F003-B-041417	F3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-F003-B-041417	F3	Water	Chromium	1.7 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-G001-A-041417	G1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-G001-A-041417	G1	Water	Chromium	0.6 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-G001-B-041417	G1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-G001-B-041417	G1	Water	Chromium	0.87 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-G002-A-041417	G2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-G002-A-041417	G2	Water	Chromium	1.7 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-G002-B-041417	G2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-G002-B-041417	G2	Water	Chromium	1.6 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-G003-A-041417	G3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-G003-A-041417	G3	Water	Chromium	1.3 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-G003-B-041417	G3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-G003-B-041417	G3	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H001-A-041417	H1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H001-A-041417	H1	Water	Chromium	2.1 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H001-B-041417	H1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H001-B-041417	H1	Water	Chromium	1.5 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H002-A-041417	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H002-A-041417	H2	Water	Chromium	1.7 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H002-A-041417-D	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H002-A-041417-D	H2	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H002-B-041417	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H002-B-041417	H2	Water	Chromium	2.3 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H003-A-041417	H3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H003-A-041417	H3	Water	Chromium	2.7 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-H003-B-041417	H3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-H003-B-041417	H3	Water	Chromium	1.4 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-Intake-A-041417	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-Intake-A-041417	Drinking Water Source (Not actual location)	Water	Chromium	0.58 ug/L	U	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-Intake-B-041417	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-Intake-B-041417	Drinking Water Source (Not actual location)	Water	Chromium	1.1 ug/L	J	0.58	Surface Water Sampling 4/ 4/14/2017
USS-SW-KB02-041417	Kemil Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-OD02-041417	West Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-PB02-041417	Porter Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-PL02-041417	Ogden Dunes 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-WB02-041417	Boaters Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-WB02-041417-D	Portage Lakefront 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/14/2017
USS-SW-002-A-041517	SW-2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-002-B-041517	SW-2	Water	Hexavalent Chromium	0.3 ug/L	J	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-003-A-041517	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-003-B-041517	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-004-A-041517	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-004A-041517-D	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-004-B-041517	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-005-A-041517	SW-5	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-005-B-041517	SW-5	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-006-A-041517	SW-6	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-006-B-041517	SW-6	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-007-A-041517	SW-7	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-007-B-041517	SW-7	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-008-A-041517	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-008-B-041517	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-008B-041517-D	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-009-A-041517	SW-9	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-009-B-041517	SW-9	Water	Hexavalent Chromium	0.3 ug/L	J	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-010-A-041517	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-010-B-041517	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017

USS-SW-011-A-041517	SW-11	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-011-B-041517	SW-11	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-012-A-041517	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-012A-041517-D	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-012-B-041517	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-A001-A-041517	A1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-A001-B-041517	A1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-A002-A-041517	A2	Water	Hexavalent Chromium	0.5 ug/L	J	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-A002-B-041517	A2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-A003-A-041517	A3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-A003-B-041517	A3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B001-A-041517	B1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B001-B-041517	B1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B002-A-041517	B2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B002-A-041517-D	B2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B002-B-041517	B2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B003-A-041517	B3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-B003-B-041517	B3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-BB02-041517	Boaters Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C001-A-041517	C1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C001-B-041517	C1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C001-B-041517-D	C1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C002-A-041517	C2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C002-B-041517	C2	Water	Hexavalent Chromium	0.3 ug/L	J	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C003-A-041517	C3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-C003-B-041517	C3	Water	Hexavalent Chromium	0.5 ug/L	J	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D001-A-041517	D1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D001-B-041517	D1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D002-A-041517	D2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D002-A-041517-D	D2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D002-B-041517	D2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D003-A-041517	D3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-D003-B-041517	D3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-DB02-041517	Dunbar Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-DB02-041517-D	Dunbar Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E001-A-041517	E1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E001-B-041517	E1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E002-A-041517	E2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E002-A-041517-D	E2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E002-B-041517	E2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E003-A-041517	E3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-E003-B-041517	E3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-F001-A-041517	F1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-F001-B-041517	F1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-F002-A-041517	F2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-F002-B-041517	F2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-F003-A-041517	F3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-F003-B-041517	F3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-G001-A-041517	G1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-G001-B-041517	G1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-G002-A-041517	G2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-G002-B-041517	G2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-G003-A-041517	G3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-G003-B-041517	G3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-H001-A-041517	H1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-H001-B-041517	H1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-H002-A-041517	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-H002-B-041517	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-H003-A-041517	H3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-H003-B-041517	H3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-Intake-A-041517	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-Intake-B-041517	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-KB02-041517	Kemil Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-OD02-041517	Ogden Dunes 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-PB02-041517	Porter Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-PL02-041517	Portage Lakefront 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017
USS-SW-WB02-041517	West Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/15/2017

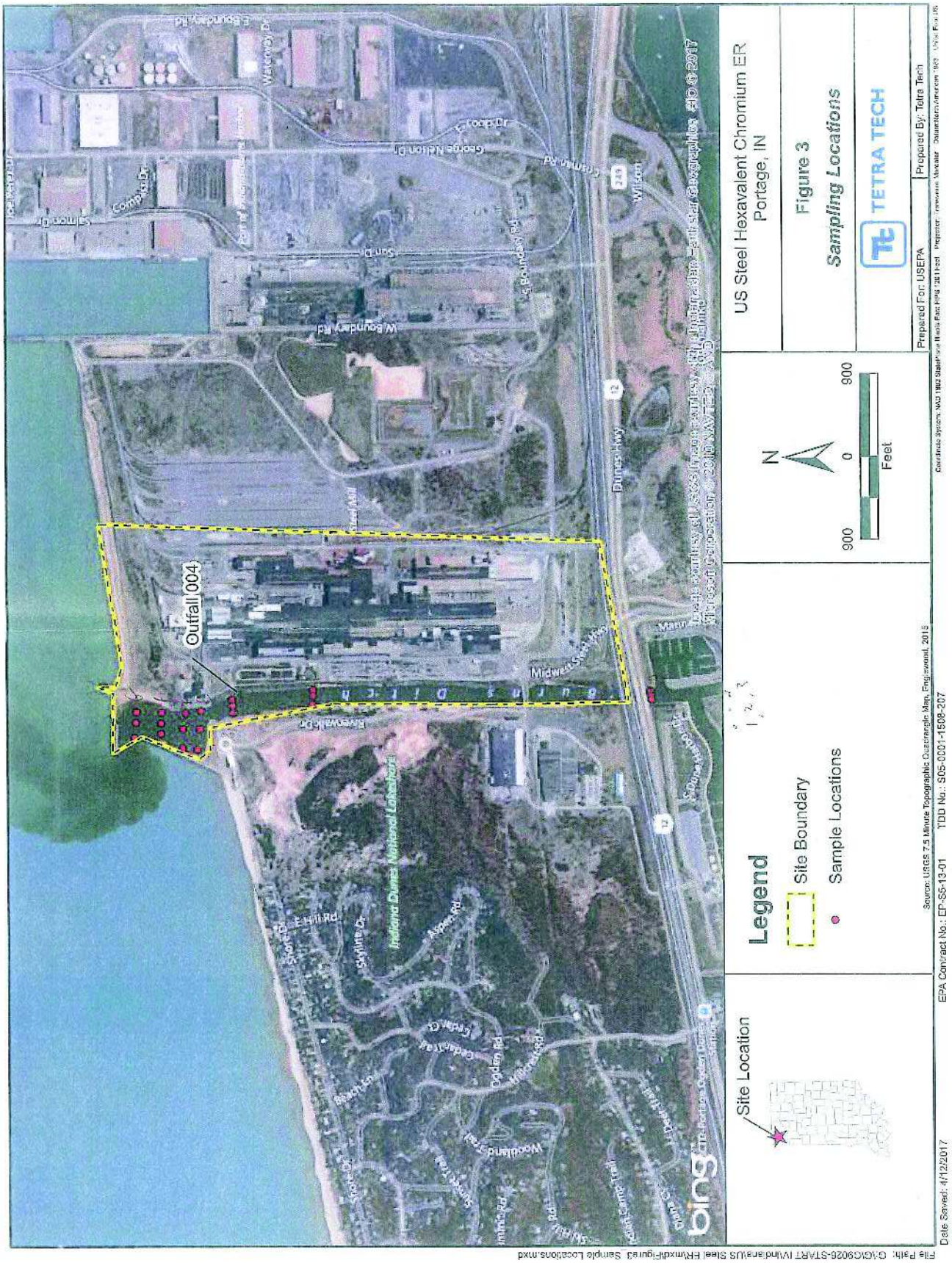
USS-SW-002-A-041617	SW-2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-002-A-041617-D	SW-2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-002-B-041617	SW-2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-003-A-041617	SW-3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-003-B-041617	SW-3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-004-A-041617	SW-4	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-004-B-041617	SW-4	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-005-A-041617	SW-5	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-005-B-041617	SW-5	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-005B-041617-D	SW-5	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-006-A-041617	SW-6	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-006-B-041617	SW-6	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-007-A-041617	SW-7	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-007-B-041617	SW-7	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-008-A-041617	SW-8	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-008-B-041617	SW-8	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-009-A-041617	SW-9	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-009-B-041617	SW-9	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-010-A-041617	SW-10	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-010-B-041617	SW-10	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-011-A-041617	SW-11	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-011-B-041617	SW-11	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-012-A-041617	SW-12	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-012-B-041617	SW-12	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-A001-A-041617	A1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-A001-B-041617	A1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-A002-A-041617	A2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-A002-B-041617	A2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-A003-A-041617	A3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-A003-B-041617	A3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B001-A-041617	B1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B001-B-041617	B1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B002-A-041617	B2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B002-B-041617	B2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B002-B-041617-D	B2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B003-A-041617	B3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-B003-B-041617	B3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-BB02-041617	Boaters Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-C001-A-041617	C1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-C001-B-041617	C1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-C002-A-041617	C2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-C002-B-041617	C2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-C003-A-041617	C3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-C003-B-041617	C3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D001-A-041617	D1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D001-B-041617	D1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D002-A-041617	D2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D002-A-041617-D	D2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D002-B-041617	D2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D003-A-041617	D3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-D003-B-041617	D3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-DB02-041617	Dunbar Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-E001-A-041617	E1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-E001-B-041617	E1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-E002-A-041617	E2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-E002-B-041617	E2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-E003-A-041617	E3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-E003-B-041617	E3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-F001-A-041617	F1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-F001-B-041617	F1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-F002-A-041617	F2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-F002-B-041617	F2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-F003-A-041617	F3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-F003-B-041617	F3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-G001-A-041617	G1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-G001-B-041617	G1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-G002-A-041617	G2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-G002-B-041617	G2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-G003-A-041617	G3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-G003-B-041617	G3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-H001-A-041617	H1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-H001-B-041617	H1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017

USS-SW-H002-A-041617	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-H002-B-041617	H2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-H003-A-041617	H3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-H003-B-041617	H3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-Intake-A-041617	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-Intake-B-041617	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-KB02-041617	Kemil Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-OD02-041617	Ogden Dunes 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-PB02-041617	Porter Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-PB02-041617-D	Porter Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-PL02-041617	Portage Lakefront 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-WB02-041617	West Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/16/2017
USS-SW-002A-041717	SW-2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-002B-041717	SW-2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-003A-041717	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-003A-041717-D	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-003B-041717	SW-3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-004A-041717	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-004B-041717	SW-4	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-005A-041717	SW-5	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-005B-041717	SW-5	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-006A-041717	SW-6	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-006B-041717	SW-6	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-007-A-041717	SW-7	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-007-B-041717	SW-7	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-008-A-041717	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-008-B-041717	SW-8	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-009-A-041717	SW-9	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-009-B-041717	SW-9	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-010-A-041717	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-010-B-041717	SW-10	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-011-A-041717	SW-11	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-011-B-041717	SW-11	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-012-A-041717	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-012-B-041717	SW-12	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-A001-A-041717	A1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-A001-B-041717	A1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-A002-A-041717	A2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-A002-B-041717	A2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-A003-A-041717	A3	Water	Hexavalent Chromium	0.4 ug/L	J	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-A003-B-041717	A3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-B001-A-041717	B1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-B001-B-041717	B1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-B002-A-041717	B2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-B002-B-041717	B2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-B003-A-041717	B3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-B003-B-041717	B3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-BB02-041717	Boaters Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-C001-A-041717	C1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-C001-B-041717	C1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-C002-A-041717	C2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-C002-B-041717	C2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-C003-A-041717	C3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-C003-B-041717	C3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-D001-A-041717	D1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-D001-B-041717	D1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-D002-A-041717	D2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-D002-B-041717	D2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-D003-A-041717	D3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-D003-B-041717	D3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-DB02-041717	Dunbar Beach 02	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-E001-A-041717	E1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-E001-B-041717	E1	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-E002-A-041717	E2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-E002-B-041717	E2	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-E003-A-041717	E3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017
USS-SW-E003-B-041717	E3	Water	Hexavalent Chromium	0.3 ug/L	U	0.3	Surface Water Sampling 4/ 4/17/2017

USS-SW-F001-A-041717	F1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-F001-B-041717	F1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-F002-A-041717	F2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-F002-B-041717	F2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-F003-A-041717	F3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-F003-B-041717	F3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-G001-A-041717	G1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-G001-B-041717	G1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-G002-A-041717	G2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-G002-B-041717	G2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-G003-A-041717	G3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-G003-B-041717	G3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H001-A-041717	H1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H001-B-041717	H1	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H002-A-041717	H2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H002-A-041717-D	H2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H002-B-041717	H2	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H003-A-041717	H3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-H003-B-041717	H3	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-Intake-A-041717	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-Intake-A-041717-D	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-Intake-B-041717	Drinking Water Source (Not actual location)	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-KB02-041717	Kemil Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-OD02-041717	Ogden Dunes 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-PB02-041717	Porter Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-PL02-041717	Portage Lakefront 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-WB02-041717	West Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017
USS-SW-WB02-041717-D	West Beach 02	Water	Hexavalent Chromium	0.3	ug/L	U	0.3 Surface Water Sampling 4/ 4/17/2017

Appendix E: April 11, 2017, Chromium Incident Data Summaries and Figures

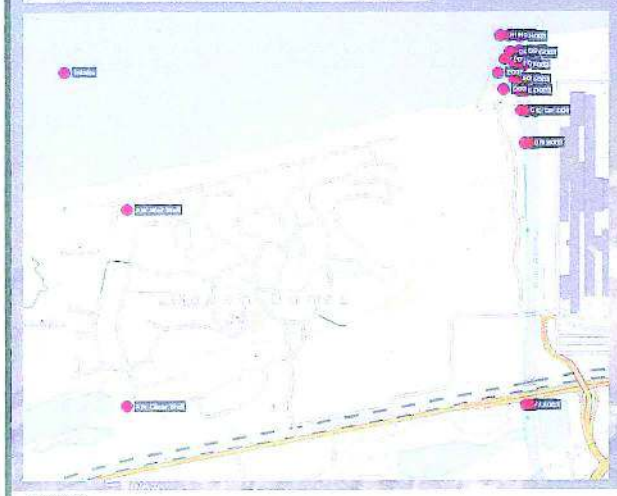
EPA Sampling Location Figures (provided by EPA On-Scene Coordinators)

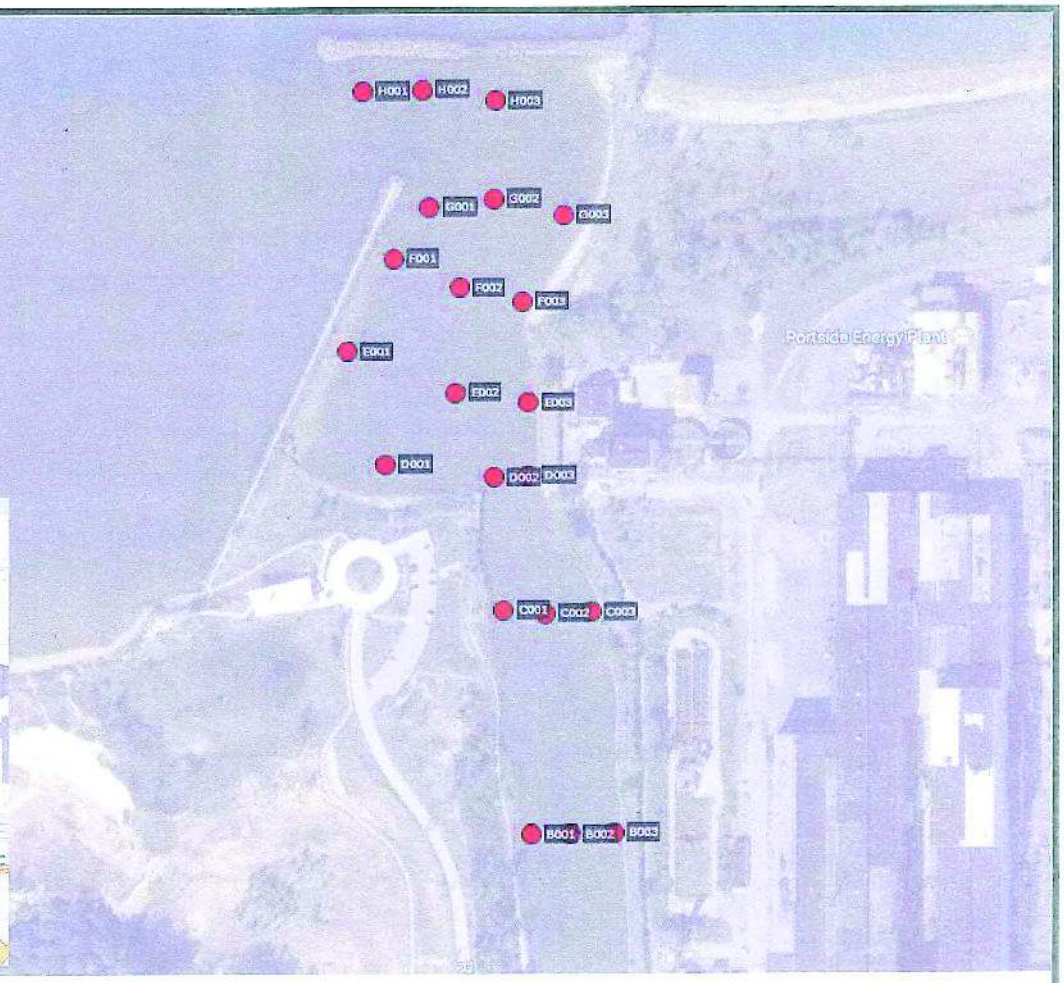

Outfall 004
Burns Ditch
Midwest Steel Mill
Indiana Dunes National Lakeshore
Dunes Hwy
Wilson
Crisman Rd
George McKinn Dr
Loop Dr
Salmon Dr
Compton Dr
Waterway Dr
E Boundary Rd
W Boundary Rd
Steel Mill
Skyline Dr
E Hill Rd
Ogden Rd
Woodland Trail
Site Location
Legend
Site Boundary
Sample Locations
N
900
0
900
Feet
US Steel Hexavalent Chromium ER
Portage, IN
Figure 3
Sampling Locations
TETRA TECH
Prepared For: USEPA
Prepared By: Tetra Tech
Coordinate System: NAD 1983 State Plane Indiana East FIPS 3601 Feet
Source: USGS 7.5 Minute Topographic Quadrangle Map, Englewood, 2015
EPA Contract No.: EP-S5-13-01
TDD No.: S05-0001-1508-207
Date Saved: 4/12/2017
File Path: G:\GIS\9026-START IN\Indiana\US Steel EH\mxd\Figure3_Sample Locations.mxd

#4

250 and 500 Yard Locations

Name	Description	Latitude	Longitude
A001	A West	41.6182	-87.1766
A002	A Center	41.6182	-87.1764
A003	A East	41.6182	-87.1761
B001	B West	41.6294	-87.1757
B002	B Center	41.6294	-87.1763
B003	B East	41.6295	-87.1760
C001	C West	41.6306	-87.1769
C002	C Center	41.6306	-87.1765
C003	C East	41.6306	-87.1762
D001	D West	41.6316	-87.1779
D002	D Center	41.6317	-87.1770
D003	D East	41.6317	-87.1757
E001	E West	41.6325	-87.1782
E002	E Center	41.6322	-87.1773
E003	E East	41.6322	-87.1767
F001	F West	41.6331	-87.1778
F002	F Center	41.6329	-87.1773
F003	F East	41.6328	-87.1767
G001	G West	41.6334	-87.1775
G002	G Center	41.6334	-87.1770
G003	G East	41.6333	-87.1764
H001	H West	41.6341	-87.1781
H002	H Center	41.6341	-87.1776
H003	H East	41.6340	-87.1770
OF 004	OF 004	41.6308	-87.1750
AW Clear Well	AW Clear Well	41.6182	-87.1992
AW Wet Well	AW Wet Well	41.6265	-87.1993
Intake	Intake	41.6225	-87.2026





SOURCE:

RAMBOLL ENVIRON

DRAFTED BY:

DATE: 04/14/2017 10:00

April 11, 2017 Incident Investigation
U. S. Steel Corporation Midwest
Portage, Indiana

FIGURE
A

PROJECT:

Appendix F: Monthly Monitoring Reports(MMRs) for November – December 2016

Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

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

Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7	0	0	2	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Flow, In Conduit	pH	Temperature	Oil & Grease		Chlorine, Total Residual		Flow, Total
EFFLUENT PARAMETER NUMBER		Q50050	C00400	C00011	******	C00552	Q50060	C50060	Q82220
SAMPLE TYPE	Permit Condition	Continuous	Grab	Continuous	******	Grab	Grab	Grab	RCOTOT
	Monitored	Continuous	Grab	Continuous	******	Grab			RCOTOT
FREQUENCY	Permit Condition	1/Week	1/Week	Daily	******	1/Week	Daily	Daily	Monthly
	Monitored	Daily	1/Week	Daily	******	1/Week			Monthly
EFFLUENT LIMITATIONS	Permit Minimum	******	6.0	******	******	******	******	******	******
	Permit Average	Report	******	Report	******	******	0.04	0.01	******
	Permit Maximum	Report	9.0	Report	******	Report	0.26	0.06	Report
UNITS =		MGD	SU	°F		mg/L	Lbs/day	mg/L	MGAL/MO
01		0.156		71.2					
02		0.140		70.8					
03		0.102		70.4					
04		0.123		69.4					
05		0.086	7.2	73.2		< 1.3			
06		0.040		65.8					
07		0.030		58.6					
08		0.035		60.3					
09		0.116		70.2					
10		0.122		71.6					
11		0.152		72.4					
12		0.165	7.4	75.9		< 1.3			
13		0.089		67.5					
14		0.055		59.1					
15		0.086		57.9					
16		0.039		67.4					
17		0.044		75.7					
18		0.105		72.6					
19		0.083	7.4	71.5		< 1.3			
20		0.054		74.6					
21		0.017		80.3					
22		0.079		82.9					
23		0.032		80.3					
24		0.037		81.8					
25		0.052		78.9					
26		0.123		72.2					
27		0.053	7.6	67.6		< 1.3			
28		0.072		67.9					
29		0.063		66.9					
30		0.064		66.8					
31		0.095		61.1					
MONTHLY AVERAGE		0.081		70.4		< 1.3	NA	NA	
HIGHEST VALUE		0.165	7.6	82.9		< 1.3	NA	NA	2.51
LOWEST VALUE		0.017	7.2	57.9		< 1.3	NA	NA	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0		0	0	0	

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry
(SIGNATURE OF CERTIFIED OPERATOR)
1/21/2017
DATE

Mark Henry
219.763.5869
PHONE NUMBER

WW020376
CERTIFICATION NO.

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
1/21/2017
DATE

Joseph E. Hanning, Manager Environmental Control

Indiana Discharge Monitoring Report Form 00330

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

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P.O. Box 6015
Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7		0	0	3	A		1	2	1	6
PERMIT NUMBER										OUTFALL NO.					MO.		YR.	

EFFLUENT CHARACTERISTICS		Flow, In Conduit	pH	Temperature	Oil & Grease		Chlorine, Total Residual		Flow, Total
EFFLUENT PARAMETER NUMBER		Q50050	C00400	C00011	******	C00552	Q50060	C50060	Q82220
SAMPLE TYPE	Permit Condition	Continuous	Grab	Continuous	******	Grab	Grab	Grab	RCOTOT
	Monitored	Continuous	Grab	Continuous	******	Grab			RCOTOT
FREQUENCY	Permit Condition	1/Week	1/Week	Daily	******	1/Week	Daily	Daily	Monthly
	Monitored	Daily	1/Week	Daily	******	1/Week			Monthly
EFFLUENT LIMITATIONS	Permit Minimum	******	6.0	******	******	******	******	******	******
	Permit Average	Report	******	Report	******	******	1.14	0.01	******
	Permit Maximum	Report	9.0	Report	******	Report	6.82	0.06	Report
UNITS =		MGD	SU	°F		mg/L	Lbs/day	mg/L	MGAL/MO
01		14.72		56.2					
02		14.63		57.3					
03		14.82		56.4					
04		14.95		56.9					
05		13.38	7.4	55.9		< 1.3			
06		13.97		51.1					
07		14.99		51.6					
08		14.92		52.1					
09		14.88		52.0					
10		14.98		51.3					
11		14.98		51.6					
12		15.11	7.6	50.6		< 1.3			
13		15.10		47.3					
14		14.95		46.7					
15		15.03		44.5					
16		14.89		44.3					
17		14.37		46.5					
18		13.85		45.3					
19		13.89	7.6	42.3		< 1.3			
20		13.88		42.6					
21		13.82		44.2					
22		13.92		45.1					
23		14.06		44.5					
24		12.32		40.9					
25		12.37		38.6					
26		12.60		40.3					
27		12.67	7.4	43.1		< 1.3			
28		14.17		46.4					
29		14.27		46.7					
30		14.22		45.1					
31		14.30		44.3					
MONTHLY AVERAGE		14.23		47.8		< 1.3	NA	NA	
HIGHEST VALUE		15.11	7.6	57.3		< 1.3	NA	NA	441.00
LOWEST VALUE		12.32	7.4	38.6		< 1.3	NA	NA	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0		0	0	0	

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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1/21/2017
DATE

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Joseph E. Hanning
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1/21/2017
DATE

Joseph E. Hanning, Manager Environmental Control

Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

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Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7	1	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Total Toxic Organics							
EFFLUENT PARAMETER NUMBER		Q78224	C78224						
SAMPLE TYPE	Permit Condition	Comp24	Comp24						
	Monitored								
FREQUENCY	Permit Condition	Monthly	Monthly						
	Monitored								
EFFLUENT LIMITATIONS	Permit Minimum	******	******						
	Permit Average	Report	Report						
	Permit Maximum	Report	Report						
UNITS =		Lbs/day	mg/L						
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVERAGE		N/A	N/A						
HIGHEST VALUE		N/A	N/A						
LOWEST VALUE		N/A	N/A						
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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I	N	0	0	0	0	3	3	7	2	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Flow, In Conduit		pH		Solids, Total Suspended		Oil & Grease	
EFFLUENT PARAMETER NUMBER		Q50050	******	C00400		Q00530	C00530	Q00552	C00552
SAMPLE TYPE	Permit Condition	TOTALZ	******	Grab		Comp24	Comp24	3Grab24H	3Grab24H
	Monitored	TOTALZ	******	Grab		Comp24	Comp24	3Grab24H	3Grab24H
FREQUENCY	Permit Condition	5/Week	******	5/Week		5/Week	5/Week	5/Week	5/Week
	Monitored	Daily	******	5/Week		5/Week	5/Week	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	******	******	Report		******	******	******	******
	Permit Average	Report	******	******		Report	Report	******	Report
	Permit Maximum	Report	******	Report		Report	Report	Report	Report
UNITS =		MGD		SU		Lbs/day	mg/L	Lbs/day	mg/L
01		0.214		8.3		4.64	2.6	< 2.32	< 1.3
02		0.187		8.2		2.96	1.9	< 2.03	< 1.3
03		0.119							
04		0.024							
05		0.076		8.4		3.11	4.9	< 0.82	< 1.3
06		0.176		8.6		2.79	1.9	< 1.91	< 1.3
07		0.172		7.9		4.16	2.9	< 1.87	< 1.3
08		0.176		8.3		3.38	2.3	< 1.91	< 1.3
09		0.185		8.1		3.71	2.4	< 2.01	< 1.3
10		0.11		8.2					
11		0.118		8.3		4.23	4.3	< 1.28	< 1.3
12		0.012		8.4		0.4	4.0	< 0.13	< 1.3
13		0.094				3.69	4.7	< 1.02	< 1.3
14		0.167		8.3		6.41	4.6	< 1.81	< 1.3
15		0.133		8.1		3.77	3.4	< 1.44	< 1.3
16		0.087		8.3		2.25	3.1	< 0.94	< 1.3
17		0.082		8.2		2.67	3.9	< 0.89	< 1.3
18		0.088		8.4		3.45	4.7	< 0.95	< 1.3
19		0.141		8.3		5.18	4.4	< 1.53	< 1.3
20		0.102		8.4		3.75	4.4	< 1.11	< 1.3
21		0.158		8.2		8.44	6.4	< 1.80	< 1.4
22		0.132		8.2		3.97	3.6	< 1.58	< 1.4
23		0.036							
24		0.021							
25		0.037							
26		0.134		8.2					
27		0.084							
28		0.087				6.61	9.1	< 0.94	< 1.3
29		0.228		8.3		6.85	3.6	< 2.47	< 1.3
30		0.234		8.4		6.64	3.4	< 2.54	< 1.3
31		0.149		8.2		4.23	3.4	< 1.62	< 1.3
MONTHLY AVERAGE		0.121				4	3.9	< 1.52	< 1.3
HIGHEST VALUE		0.234		8.6		8	9.1	< 2.54	< 1.4
LOWEST VALUE		0.012		7.9		0	1.9	< 0.13	< 1.3
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0		0	0	0	0

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

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Joseph E. Hanning
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Joseph E. Hanning, Manager Environmental Control
1/21/2017
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Indiana Discharge Monitoring Report Form 50530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

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P.O. Box 6015
Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7	2	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Cyanide, Total		Fluoride, Total		Nickel, Total Recov.		Silver, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q00720	C00720	Q00951	C00951	Q01074	C01074	Q01079	C01079
SAMPLE TYPE	Permit Condition	Grab	Grab	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Grab	Grab	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
	Monitored	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01		< 0.0036	< 0.0020						
02		< 0.0031	< 0.0020						
03									
04									
05		< 0.0013	< 0.0020	0.596	0.94	0.01	0.0081	< 0.00004	< 0.000070
06		< 0.0029	< 0.0020						
07		0.0034	0.0024						
08		< 0.0029	< 0.0020						
09		< 0.0031	< 0.0020						
10									
11		< 0.002	< 0.0020						
12		< 0.0002	< 0.0020						
13									
14		< 0.0028	< 0.0020						
15		< 0.0022	< 0.0020						
16		< 0.0015	< 0.0020						
17		< 0.0014	< 0.0020						
18		< 0.0015	< 0.0020						
19		< 0.0024	< 0.0020						
20		< 0.0017	< 0.0020						
21		< 0.0026	< 0.0020						
22		< 0.0022	< 0.0020						
23									
24									
25									
26									
27									
28									
29		< 0.0038	< 0.0020						
30		0.0107	0.0055						
31		< 0.0025	< 0.0020						
MONTHLY AVERAGE		< 0.003	< 0.0022	0.596	0.94	0.01	0.0081	< 0.00004	< 0.000070
HIGHEST VALUE		0.011	0.0055	0.596	0.94	0.01	0.0081	< 0.00004	< 0.000070
LOWEST VALUE		< 0.000	< 0.0020	0.596	0.94	0.01	0.0081	< 0.00004	< 0.000070
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry
(SIGNATURE OF CERTIFIED OPERATOR)
1/21/2017
DATE

Mark Henry
219.763.5869
PHONE NUMBER

WW020376
CERTIFICATION NO.

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
Joseph E. Hanning, Manager Environmental Control
1/21/2017
DATE

Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.
Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7	2	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Zinc, Total Recov.		Cadmium, Total Recov.		Lead, Total Recov.		Chromium, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q01094	C01094	Q01113	C01113	Q01114	C01114	Q01118	C01118
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
	Monitored	5/Week	5/Week	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	Report	Report	Report	Report	Report	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
	01	0.045	0.025					0.286	0.16
	02	0.037	0.024					0.359	0.23
	03								
	04								
	05	0.014	0.022	0.0002	0.00038	< 0.0001	< 0.00010	0.184	0.29
	06	0.026	0.018					0.206	0.14
	07	0.022	0.015					0.388	0.27
	08	0.025	0.017					0.279	0.19
	09	0.031	0.02					0.401	0.26
	10								
	11	0.014	0.014					0.207	0.21
	12	0.003	0.034					0.028	0.28
	13	0.015	0.019					0.180	0.23
	14	0.033	0.024					0.334	0.24
	15	0.017	0.015					0.244	0.22
	16	0.020	0.028					0.225	0.31
	17	0.018	0.027					0.130	0.19
	18	0.012	0.017					0.125	0.17
	19	0.016	0.014					0.271	0.23
	20	0.015	0.018					0.272	0.32
	21	0.025	0.019					0.264	0.20
	22	0.019	0.017					0.463	0.42
	23								
	24								
	25								
	26								
	27								
	28	0.020	0.028					0.312	0.43
	29	0.048	0.025					0.818	0.43
	30	0.047	0.024					0.508	0.26
	31	0.034	0.027					0.410	0.33
MONTHLY AVERAGE		0.024	0.0213	0.0002	0.00038	< 0.0001	< 0.00010	0.300	0.26
HIGHEST VALUE		0.048	0.034	0.0002	0.00038	< 0.0001	< 0.00010	0.818	0.43
LOWEST VALUE		0.003	0.014	0.0002	0.00038	< 0.0001	< 0.00010	0.028	0.14
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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1/21/2017
DATE

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Joseph E. Hanning, Manager Environmental Control

1/21/2017
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Revision Pending Approval - September 2003

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Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7	2	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Copper, Total Recov.		Chromium, Hexavalent		Tetrachloroethylene		Naphthalene	
EFFLUENT PARAMETER NUMBER		Q01119	C01119	Q01220	C01220	Q34475	C34475	Q34696	C34696
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Grab	Grab	Grab	Grab	Grab	Grab
	Monitored	Comp24	Comp24	Grab	Grab	Grab	Grab	Grab	Grab
FREQUENCY	Permit Condition	Monthly	Monthly	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly
	Monitored	Monthly	Monthly	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	Report	Report	Report	Report	******	Report	******	******
	Permit Maximum	Report	Report	Report	Report	Report	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02									
03									
04									
05		0.01	0.0096	< 0.00003	< 0.000052	< 0.00017	< 0.00027	< 0.0001	< 0.00010
06									
07									
08									
09									
10									
11									
12									
13									
14									
15				< 0.00006	< 0.000052				
16									
17									
18									
19									
20				< 0.00004	< 0.000052				
21									
22									
23									
24									
25									
26									
27									
28									
29				< 0.00010	< 0.000052				
30									
31									
MONTHLY AVERAGE		0.01	0.0096	< 0.00006	< 0.000052	< 0.0002	< 0.00027	< 0.0001	< 0.00010
HIGHEST VALUE		0.01	0.0096	< 0.00010	< 0.000052	< 0.0002	< 0.00027	< 0.0001	< 0.00010
LOWEST VALUE		0.01	0.0096	< 0.00003	< 0.000052	< 0.0002	< 0.00027	< 0.0001	< 0.00010
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Total Toxic Organics							
EFFLUENT PARAMETER NUMBER		Q78224	C78224						
SAMPLE TYPE	Permit Condition	Comp24	Comp24						
	Monitored								
FREQUENCY	Permit Condition	Monthly	Monthly						
	Monitored								
EFFLUENT LIMITATIONS	Permit Minimum	******	******						
	Permit Average	******	******						
	Permit Maximum	Report	Report						
UNITS =		Lbs/day	mg/L						
01									
02									
03									
04									
05									
06									
07									
08									
09									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVERAGE		N/A	N/A						
HIGHEST VALUE		N/A	N/A						
LOWEST VALUE		N/A	N/A						
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0						

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

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I	N	0	0	0	0	3	3	7

PERMIT NUMBER

3	0	4	A

OUTFALL NO.

1	2	1	6

MO. YR.

EFFLUENT CHARACTERISTICS		Flow, In Conduit		Solids, Total Suspended		Oil & Grease		Cyanide, Total	
EFFLUENT PARAMETER NUMBER		Q50050	******	Q00530	C00530	Q00552	C00552	Q00720	C00720
SAMPLE TYPE	Permit Condition	TOTALZ	******	Comp24	Comp24	3Grab24H	3Grab24H	Grab	Grab
	Monitored	TOTALZ	******	Comp24	Comp24	3Grab24H	3Grab24H	Grab	Grab
FREQUENCY	Permit Condition	5/Week	******	5/Week	5/Week	5/Week	5/Week	5/Week	5/Week
	Monitored	Daily	******	5/Week	5/Week	5/Week	5/Week	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	Report	******	1147	Report	******	******	3.41	Report
	Permit Maximum	Report	******	2290	Report	765	Report	7.95	Report
UNITS =		MGD		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01		9.93		629.2	7.6	< 143	< 1.7	< 0.17	< 0.0020
02		9.34		254.9	3.3	< 101	< 1.3	< 0.16	< 0.0020
03		8.13							
04		7.78							
05		7.50		133.1	2.1	< 95.8	< 1.5	< 0.13	< 0.0020
06		8.32		349.2	5.0	< 97	< 1.4	< 0.14	< 0.0020
07		8.28		200.4	2.9	< 89.8	< 1.3	< 0.14	< 0.0020
08		8.65		165.9	2.3	< 93.8	< 1.3	< 0.14	< 0.0020
09		9.24		162.3	2.1	< 100	< 1.3	< 0.15	< 0.0020
10		8.53							
11		8.97		144.6	1.9	< 97.3	< 1.3	< 0.15	< 0.0020
12		7.38		141.9	2.3	< 80.1	< 1.3	< 0.12	< 0.0020
13		7.34		227.5	3.7	< 152	< 2.5		
14		8.08		145	2.2	< 87.6	< 1.3	< 0.13	< 0.0020
15		7.92		172.8	2.6	< 86	< 1.3	< 0.13	< 0.0020
16		7.99		404.4	6.1	< 88.8	< 1.3	< 0.13	< 0.0020
17		7.88		197.9	3.0	< 85.5	< 1.3	< 0.13	< 0.0020
18		7.35		100.4	1.6	< 79.7	< 1.3	< 0.12	< 0.0020
19		7.14		303.1	5.1	< 77.5	< 1.3	< 0.12	< 0.0020
20		7.70		238.4	3.7	< 83.6	< 1.3	< 0.13	< 0.0020
21		9.00		156.0	2.1	147	2.0	< 0.15	< 0.0020
22		8.25		166.6	2.4	182	2.6	< 0.14	< 0.0020
23		7.33							
24		6.45							
25		6.50							
26		6.93							
27		7.80							
28		8.57		282.6	4.0	< 92.9	< 1.3		
29		9.20		156.6	2.0	< 117	< 1.5	< 0.15	< 0.0020
30		9.15		133.2	1.7	< 99.3	< 1.3	< 0.16	< 0.0021
31		8.54		116.3	1.6	< 92.6	< 1.3	< 0.14	< 0.0020
MONTHLY AVERAGE		8.10		216.6	3.1	< 103	< 1.5	< 0.14	< 0.0020
HIGHEST VALUE		9.93		629.2	7.6	182	2.6	< 0.17	< 0.0021
LOWEST VALUE		6.45		100.4	1.6	< 77	< 1.3	< 0.12	< 0.0020
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0		0	0	0	0	0	0

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I	N	0	0	0	0	3	3	7	3	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Fluoride, Total		Nickel, Total Recov.		Silver, Total Recov.		Zinc, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q00951	C00951	Q01074	C01074	Q01079	C01079	Q01094	C01094
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
	Monitored	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	150	Report	Report	Report	Report	Report	10.0	Report
	Permit Maximum	400	Report	Report	Report	Report	Report	30.0	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01								1.34	0.016
02								0.74	0.010
03									
04									
05		12.98	0.21	0.135	0.0022	< 0.0044	< 0.000070	0.82	0.013
06								1.18	0.017
07								1.04	0.015
08								1.09	0.015
09								0.86	0.011
10									
11								1.12	0.015
12								0.93	0.015
13								0.92	0.015
14								0.96	0.014
15								0.73	0.011
16								0.63	0.0094
17								0.66	0.010
18								0.68	0.011
19								1.07	0.018
20								1.09	0.017
21								1.06	0.014
22								0.64	0.0093
23									
24									
25									
26									
27									
28								0.94	0.013
29								1.32	0.017
30								1.16	0.015
31								1.01	0.014
MONTHLY AVERAGE		13	0.21	0.135	0.0022	< 0.004	< 0.000070	0.96	0.014
HIGHEST VALUE		13	0.21	0.135	0.0022	< 0.004	< 0.000070	1.34	0.018
LOWEST VALUE		13	0.21	0.135	0.0022	< 0.004	< 0.000070	0.63	0.0093
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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I	N	0	0	0	0	3	3	7	3	0	4	A	1	2	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Cadmium, Total Recov.		Lead, Total Recov.		Chromium, Total Recov.		Copper, Total Recov.	
EFFLUENT PARAMETER NUMBER		Q01113	C01113	Q01114	C01114	Q01118	C01118	Q01119	C01119
SAMPLE TYPE	Permit Condition	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
	Monitored	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24	Comp24
FREQUENCY	Permit Condition	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week	Monthly	Monthly
	Monitored	Monthly	Monthly	Monthly	Monthly	5/Week	5/Week	Monthly	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	Report	Report	Report	Report	10.0	Report	Report	Report
	Permit Maximum	Report	Report	Report	Report	30.0	Report	Report	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01						1.83	0.0221		
02						1.12	0.0144		
03									
04									
05		0.029	0.000469	0.021	0.00034	0.7	0.0112	0.099	0.0016
06						0.65	0.0094		
07						1.2	0.0174		
08						0.98	0.0136		
09						1.84	0.0238		
10									
11						0.61	0.0081		
12						1.69	0.0274		
13						0.97	0.0158		
14						1.06	0.0157		
15						1.09	0.0165		
16						2.53	0.038		
17						0.91	0.0139		
18						0.42	0.0069		
19						1.03	0.0173		
20						0.82	0.0127		
21						0.92	0.0123		
22						1.07	0.0155		
23									
24									
25									
26									
27									
28						0.86	0.0121		
29						1.38	0.018		
30						1.25	0.0164		
31						1.02	0.0143		
MONTHLY AVERAGE		0.029	0.000469	0.021	0.00034	1.13	0.0162	0.099	0.0016
HIGHEST VALUE		0.029	0.000469	0.021	0.00034	2.53	0.038	0.099	0.0016
LOWEST VALUE		0.029	0.000469	0.021	0.00034	0.42	0.0069	0.099	0.0016
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mark Henry
(SIGNATURE OF CERTIFIED OPERATOR)

1/21/2017
DATE

Mark Henry
219.763.5869
PHONE NUMBER

WW020376
CERTIFICATION NO.

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

1/21/2017
DATE

Indiana Discharge Monitoring Report Form 30530

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

PLEASE COMPLETE AND SUBMIT ONE COPY EACH MONTH.
THIS REPORT MUST BE POSTMARKED NO LATER THAN THE 28TH OF THE FOLLOWING MONTH.
Mail To: Indiana Dept. of Environmental Management
Office of Water Quality / Data Management Section
P.O. Box 6015
Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7

PERMIT NUMBER

3	0	4	A

OUTFALL NO.

1	2	1	6

MO. YR.

EFFLUENT CHARACTERISTICS		Chromium, Hexavalent		Tetrachloroethylene		Naphthalene		Total Toxic Organics	
EFFLUENT PARAMETER NUMBER		Q01220	C01220	Q34475	C34475	Q34696	C34696	Q78224	C78224
SAMPLE TYPE	Permit Condition	Grab	Grab	Grab	Grab	Grab	Grab	Comp24	Comp24
	Monitored	Grab	Grab	Grab	Grab	Grab	Grab		
FREQUENCY	Permit Condition	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
	Monitored	Weekly	Weekly	Monthly	Monthly	Monthly	Monthly		
EFFLUENT LIMITATIONS	Permit Minimum	******	******	******	******	******	******	******	******
	Permit Average	0.17	Report	******	Report	******	******	******	******
	Permit Maximum	0.51	Report	1.29	Report	0.86	Report	38.43	Report
UNITS =		Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L	Lbs/day	mg/L
01									
02									
03									
04									
05		< 0.003	< 0.000052	< 0.017	< 0.00027	< 0.01	< 0.00010		
06									
07									
08									
09									
10									
11									
12									
13									
14									
15		< 0.003	< 0.000052						
16									
17									
18									
19									
20		< 0.003	< 0.000052						
21									
22									
23									
24									
25									
26									
27									
28									
29		< 0.004	< 0.000052						
30									
31									
MONTHLY AVERAGE		< 0.004	< 0.000052	< 0.017	< 0.00027	< 0.01	< 0.00010	N/A	N/A
HIGHEST VALUE		< 0.004	< 0.000052	< 0.017	< 0.00027	< 0.01	< 0.00010	N/A	N/A
LOWEST VALUE		< 0.003	< 0.000052	< 0.017	< 0.00027	< 0.01	< 0.00010	N/A	N/A
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0	0	0	0	0	0

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

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Indianapolis, Indiana 46206-6015

I	N	0	0	0	0	3	3	7	0	0	2	A	1	1	1	6
PERMIT NUMBER									OUTFALL NO.				MO.		YR.	

EFFLUENT CHARACTERISTICS		Flow, In Conduit	pH	Temperature	Oil & Grease		Chlorine, Total Residual		Flow, Total
EFFLUENT PARAMETER NUMBER		Q50050	C00400	C00011	******	C00552	Q50060	C50060	Q82220
SAMPLE TYPE	Permit Condition	Continuous	Grab	Continuous	******	Grab	Grab	Grab	RCOTOT
	Monitored	Continuous	Grab	Continuous	******	Grab	Grab	Grab	RCOTOT
FREQUENCY	Permit Condition	1/Week	1/Week	Daily	******	1/Week	Daily	Daily	Monthly
	Monitored	Daily	1/Week	Daily	******	1/Week	Daily	Daily	Monthly
EFFLUENT LIMITATIONS	Permit Minimum	******	6.0	******	******	******	******	******	******
	Permit Average	Report	******	Report	******	******	0.04	0.01	******
	Permit Maximum	Report	9.0	Report	******	Report	0.26	0.06	Report
UNITS =		MGD	SU	°F		mg/L	Lbs/day	mg/L	MGAL/MO
01		0.117		72.1			< 0.02	< 0.02	
02		0.680		71.0			< 0.11	< 0.02	
03		0.264		72.2			< 0.04	< 0.02	
04		0.187		72.0			< 0.03	< 0.02	
05		0.204		71.7					
06		0.197		72.0					
07		0.184	7.8	72.2		< 1.3			
08		0.041		66.3					
09		0.005		64.3					
10		0.005		63.2					
11		0.007		64.8					
12		0.012		61.5					
13		0.146		70.7					
14		0.176	7.7	71.8		< 1.3			
15		0.194		72.6					
16		0.193		73.1					
17		0.122		71.5					
18		0.344		70.8					
19		0.038		60.4					
20		0.006		57.9					
21		0.009	7.8	65.2		< 1.3			
22		0.068		69.8					
23		0.377		69.0					
24		0.135		69.0					
25		0.147		68.5					
26		0.074		63.7					
27		0.015		60.6					
28		0.286		62.5		< 1.3			
29		0.076		65.9					
30		0.126		70.5					
MONTHLY AVERAGE		0.148		67.9		< 1.3	0.00	0.00	
HIGHEST VALUE		0.680	7.8	73.1		< 1.3	< 0.11	< 0.02	4.44
LOWEST VALUE		0.005	7.7	57.9		< 1.3	< 0.02	< 0.02	
NO. OF TIMES WEEKLY OR DAILY EFFL. LIMITATIONS EXCEEDED		0	0	0		0	0	0	

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

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12/21/2016
DATE

Mark Henry
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CERTIFICATION NO.

Joseph E. Hanning
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER)
12/21/2016
DATE

Joseph E. Hanning, Manager Environmental Control

Indiana Discharge Monitoring Report (DMR) Form 50560

MONTHLY MONITORING REPORT (MMR) FOR INDUSTRIAL DISCHARGE PERMITS

Revision Pending Approval - September 2003

FACILITY NAME AND ADDRESS:

U.S. Steel Corporation Midwest Plant
6300 US HWY 12
MS AE-1
Portage, IN 46368-1287

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P.O. Box 6015
Indianapolis, Indiana 46206-6015

N	0	0	0	0	3	3	7
PERMIT NUMBER							

0	0	3	A
OUTFALL NO.			

1	1	1	6
MO.		YR.	

.UENT CHARACTERISTICS		Flow, In Conduit	pH	Temperature	Oil & Grease		Chlorine, Total Residual		Flow, Total
.UENT PARAMETER NUMBER		Q50050	C00400	C00011	******	C00552	Q50060	C50060	Q82220
AMPLE TYPE	Permit Condition	Continuous	Grab	Continuous	******	Grab	Grab	Grab	RCOTOT
	Monitored	Continuous	Grab	Continuous	******	Grab	Grab	Grab	RCOTOT
REQUENCY	Permit Condition	1/Week	1/Week	Daily	******	1/Week	Daily	Daily	Monthly
	Monitored	Daily	1/Week	Daily	******	1/Week	Daily	Daily	Monthly
EFFLUENT IMITATIONS	Permit Minimum	******	6.0	******	******	******	******	******	******
	Permit Average	Report	******	Report	******	******	1.14	0.01	******
	Permit Maximum	Report	9.0	Report	******	Report	6.82	0.06	Report
UNITS =		MGD	SU	°F		mg/L	Lbs/day	mg/L	MGAL/MO
	01	13.86		64.1			< 2.31	< 0.02	
	02	15.58		64.9			< 2.60	< 0.02	
	03	14.64		66.0			< 2.44	< 0.02	
	04	14.58		66.8			< 2.43	< 0.02	
	05	14.45		67.5					
	06	13.59		67.1					
	07	12.65	7.6	66.3		< 1.3			
	08	12.63		61.6					
	09	14.18		65.2					
	10	14.50		65.9					
	11	14.35		65.6					
	12	14.11		65.7					
	13	14.57		64.3					
	14	12.72	7.9	63.8		< 1.3			
	15	13.24		62.9					
	16	14.54		61.9					
	17	14.59		61.1					
	18	14.47		63.4					
	19	14.56		63.9					
	20	14.73		60.2					
	21	13.38	7.5	59.7		< 1.3			
	22	14.62		58.4					
	23	14.87		59.1					
	24	12.95		55.9					
	25	12.97		55.2					
	26	14.82		56.1					
	27	14.87		56.3					
	28	13.53		56.6		< 1.3			
	29	13.30		57.6					
	30	14.65		58.5					
NTHLY AVERAGE		14.08		62.1		< 1.3	0.00	0.00	
HEST VALUE		15.58	7.9	67.5		< 1.3	< 2.60	< 0.02	422.5
VEST VALUE		12.63	7.5	55.2		< 1.3	< 2.31	< 0.02	
. OF TIMES WEEKLY OR DAILY FL. LIMITATIONS EXCEEDED		0	0	0		0	0	0	

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

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