EMERGENCY RESPONSE REPORT

FOR

GRETNA PLATING AND POLISHING
725 CARRICOX STREET
GRETNA, JEFFERSON PARISH, LOUISIANA

Prepared for

U.S. Environmental Protection Agency Region 6
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Dallas, Texas 75202

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EPA OSC Eric Delgado
START-3 PTL Jeff Wright

Submitted by

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PROJECT SUMMARY

This final report describes the U.S. Environmental Protection Agency (EPA) response actions at the Gretna Plating and Polishing Company (GPPC). The site is located at 725 Carricox Street, Jefferson Parish, Louisiana. The detailed report follows this page, and all attachments are provided as separate portable document format (PDF) files.

On 3 August 2015 at approximately 0900 hours, surrounding residents reported a fire at the GPPC facility. The Westwego Fire Department responded to the fire and began using water to control the blaze. The owner of the facility confirmed that an unknown amount of chromium and nickel plating solutions was within the building and may have been spilled or lost during the fire. Due to the large amount of firefighting water used to extinguish the fire, an unknown amount of potentially contaminated water was released to the ground surface of the property surrounding the facility as well as in a nearby drainage ditch located in front of the building. Upon receiving information regarding the potential contamination issues, the fire department utilized sandbags within the ditch to prevent further migration of the firefighting water. The fire department determined the fire was extinguished at approximately 1200 hours on 3 August 2015. Representatives from the Louisiana Department of Environmental Quality (LDEQ) were notified of the event, and they in turn contacted the EPA requesting assistance. The EPA On-scene Coordinator (OSC) mobilized to the site on 3 August 2015 to assess the situation and to determine if further assistance would be needed. The EPA, Louisiana State Police (LSP), LDEQ, and Jefferson Parish Fire Department HAZMAT personnel conducted a site walk after the fire had been extinguished. It was determined that an EPA response action was necessary to further assess the environmental impacts caused by the release of materials and the integrity of material still housed within the building.

On 4 August 2015, the EPA OSC activated the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor, Weston Solutions, Inc. (WESTON®), to mobilize to the incident site and conduct a response action. START-3 was tasked to collect facts regarding the fire including its source and cause; to identify the pathways to human and environmental exposure; to analyze the potential impact on natural resources and property; to observe and document federal, state, and private actions; and to provide written and photographic

documentation of response actions. START-3 conducted air monitoring and soil sampling, inventoried contents of the building, and documented site conditions. Air monitoring indicated no detectible levels of airborne contaminants were present within the work area nor site perimeter Soil samples were collected in grids on the property at various depths and on adjacent properties to determine if hazardous materials were transported via firefighting water. A water sample was collected from a storm water collection system outlet northwest of the facility to determine if materials had migrated by the drainage system. After reviewing the data and disposition of the building, the EPA OSC activated the Emergency Rapid Response Services (ERRS) contractor to secure the building contents to install barriers on the fire damaged building to prevent any further off-site migration due to weather, and to restrict access. After determining that the incident was stabilized and the final samples were collected, EPA, ERRS, and START-3 representatives demobilized from the site at 1700 hours on 9 August 2015.

This final report was prepared as part of the requirements of Technical Direction Document (TDD) 1/WESTON-042-15-016 for EPA Region 6. The EPA OSC was Eric Delgado and the START-3 Project Team Leader (PTL) was Jeff Wright.

☐ The EPA Task Monitor did not provide final approval of this report prior to the completion date of the work assignment. Therefore, Weston Solutions, Inc. has submitted this report absent the Task Monitor's approval.

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1. INTRODUCTION

On 3 August 2015 at 0900 hours, a fire was reported in the Gretna Plating and Polishing Company (GPPC) building at 725 Carricox Street, Gretna, Jefferson Parish, Louisiana, in a residential neighborhood. A Site Location Map is provided as Attachment A. The first responders were the Westwego Fire Department and Jefferson Parish Fire Department HAZMAT team and they notified the Louisiana Department of Environmental Quality (LDEQ). Following LDEQ notification to the U.S. Environmental Protection Agency (EPA) Region 6 of the incident on 3 August 2015, EPA mobilized an On-scene Coordinator (OSC) to the site to further assess the site conditions. At 1000 hours on 4 August 2015, the OSC notified Weston Solutions, Inc. (WESTON®), the EPA Region 6 Superfund Technical Assessment and Response Team (START-3) contractor, to perform a response action.

START-3 was tasked under Technical Direction Document (TDD) No. 1/WESTON-042-15-016 (Attachment J) to collect facts regarding the fire including its source and cause; to identify the pathways to human and environmental exposure; to analyze the potential impact on natural resources and property; to observe and document federal, state, and private actions; and to provide written and photographic documentation of response actions. START-3 mobilized to the incident site at approximately 1030 hours on 4 August 2015.

LDEQ, U.S. Coast Guard (USCG), and Louisiana State Police (LSP) also responded to the incident and coordinated with EPA. The response activities associated with this event were documented and photographed by START-3 (Attachments E and H, respectively).

The site encompasses a 0.25-acre area of land and is surrounded by residential properties to the North, West, South, and East. The main facility consists of a 40 foot by 50 foot prefabricated metal building that contained chemical containers and dipping vats used during electroplating activities. An adjacent 500 square foot wooden barn-shaped building is used for general storage (Attachments B and C).

2. BACKGROUND

The Gretna Plating and Polishing facility was established in 1980 and provided chrome and nickel decorative plating. Based on the communications with the owner, the facility conducted the following operations:

- Stripping/cleaning items of dirt, oil grease, etc. with muriatic acid.
- Grinding and buffing items smooth prior to and during plating.
- Pretreatment of items with sodium hydroxide and/or sulfuric acid.
- Nickel plating using nickel sulfate.
- Chrome plating using chromic acid.

The facility was also responsible for the generation and storage of hazardous wastes resulting from the various processes. The owner of the facility confirmed that an unknown amount of chromium and nickel plating solutions were present within the building during the fire and may have been spilled or lost.

Due to the large amount of firefighting water used to extinguish the fire, an unknown amount of potentially contaminated water was released and migrated on the property northeast of the facility as well as to a nearby drainage ditch located east of the building. On the southeast side of the property, an area approximately 50 feet by 10 feet appeared to have firefighting water released on the ground. The adjacent properties to the west and northwest are elevated above the GPPC property and drainage flows to the northeast toward Carricox Street. The stormwater drainage ditch flows north toward Rupp Street, flows west on Rupp Street into a roadside canal that parallels Hancock Street running southwest.

3. ACTIONS TAKEN

On 3 August 2015, EPA OSC Delgado conducted a preliminary assessment of the site along with representatives from the USCG, LDEQ, LSP, and Jefferson Parish Fire Department HAZMAT. After reviewing the information gathered during the assessment, EPA OSC Delgado activated and utilized the Superfund Technical Assistance Response Team (START-3) to conduct an emergency removal site assessment on 4 August 2015.

On 4 August 2015 at 1030 hours, the START-3 contractors arrived on-site and were briefed on the actions that had occurred to date. The EPA team conducted a site walk to document site conditions, including collecting air monitoring data inside the structure with a MultiRAE 5 gas meter and Chromatic Acid Draeger tubes. No detectable levels of airborne hazards were identified. The building contained 14 vats that were found in fair to poor condition of varying volumes and indiscernible contents. The EPA team inspected the GPPC property as well as adjacent properties and found evidence that the surrounding soils had been impacted by the firefighting water. These areas were sketched and plotted on a map (Attachment C). Additionally, a survey of adjacent properties with potential impacts was noted, and access agreements were collected to enable further investigation.

On 5 August 2015, EPA OSC Delgado activated and utilized the Emergency Rapid Response Services (ERRS) contractors. The EPA team conducted further assessments of the adjacent properties and determined the potentially impacted areas included the site grounds and the adjacent property toward the north. The property to the northeast appeared to have a potentially impacted area, approximately 60 feet by 175 feet, based upon visual inspection. Proposed sampling grids were established by the EPA team to delineate potential contamination and were agreed upon by the OSC. Fourteen sample grids were identified, and a list of analytical tests were proposed for characterization. The EPA OSC requested that all soil samples be analyzed for the following:

- Total Metals by EPA method 6020.
- Hexavalent Chromium (Cr VI) by EPA method 7196A.
- pH by EPA method 9045A

The EPA ERRS contractor arrived on-site and staged empty drums and totes to transfer contents from the vats for holding until a determination was made whether the contents were hazardous waste materials or product that could be reclaimed by GPPC, the responsible party (RP). ERRS was also tasked with securing the building openings, both doorways and breaches caused by the fire, to prevent unauthorized access and further contamination to the surroundings.

On 6 August 2015, the EPA ERRS contractor completed the transfer of liquid material from four vats (VT 1, VT 10, VT 11, and VT 12) into new stable containers. Approximately 1,000 gallons

of liquid was transferred and stored in a 250-gallon poly tote and 13 55-gallon drums. The liquid material was removed from the four vats that were historically identified by the RP as containing nickel and/or chrome plating solutions. The remaining vats were identified by the RP as being rinse water or historically empty/not used in plating process. The ERRS contractor also began construction activities to cover/secure sections of the building that were open to the environment as a result of the fire. Also on 6 August 2015, the EPA team initiated soil sampling activities to assess areas that potentially received runoff water used during the suppression of the fire. The impacted areas surrounding the facility were gridded off and five-point composite samples were collected to a depth of 2 feet from each grid. Composite samples within each grid were collected from four intervals (0 to 6 inches, 6 to 12 inches, 12 to 18 inches, and 18 to 24 inches).

On 7 August 2015, the EPA team completed composite soil sampling activities, collecting a total of 56 samples. Four interval samples were collected from each of 14 designated site grid areas. Samples were prepared and submitted to Gulf Coast Analytical (GCAL) Laboratory in Baton Rouge, Louisiana, on 8 August 2015 for TAL Metals, Hexavalent Chromium and pH analyses. The EPA ERRS contractor completed construction activities to cover/secure open sections for the building. ERRS also repaired fencing along the northern property boundary.

On 8 and 9 August 2015, the ERRS contractor continued general cleanup activities of the facility. Free liquids remaining on the floor of the facility were vacuumed up and placed in a 55-gallon drum. A sand berm was constructed along the north side of the building adjacent to the interior vat area, as a precautionary measure to prevent potential future runoff. On 9 August 2015, the ERRS contractor constructed an 8-foot security fence along the front (east side) of the facility to restrict public access. Previous fencing around the north, south, and west remained intact. The EPA team demobilized from the site on 9 August 2015.

Final Level 4 analytical data packages were received from the GCAL Laboratory on 23 August 2015. Sample results were compared to LDEQ Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage and EPA Regional Screening Levels (RSLs) for residential usage soil, using target hazard quotients (THQ) of 1.0 (June 2015). No sample results exceeded the corresponding EPA RSL for Total Chromium, Chromium III, or Nickel. Nineteen soil samples exceeded the Chromium IV EPA

RSL of 0.3 milligrams per kilogram (mg/kg). Chromium IV sample results ranged from 0.4 to 1.15 mg/kg. A summary of the soil sample analytical results is provided Attachment F.

Data review/validation of laboratory data packages was performed in accordance with the Quality Assurance Sampling Plan (QASP). The EPA team conducted the data validation by reviewing laboratory analytical data packages to verify that they met the EPA technical requirements and quality assurance (QA) guidelines established for the respective analytical methods. The data review/validation reports are also included in Attachment G.

The EPA OSC reviewed the analytical results with the LDEQ and determined that no further action was required by EPA at this time. The GPPC site was referred to LDEQ to determine if further cleanup activities were required.

This report was prepared as part of the requirements of TDD No. 1/WESTON-042-15-016 (Attachment J) and serves as documentation of work completed to date.

4. LIST OF ATTACHMENTS

A. Site Location Map

B. Site Area Map

C. Site Sketch Map

D. Sample Location Map

E. Site Logbook

F. Sample Results Table

G. Sample Results Validation Reports

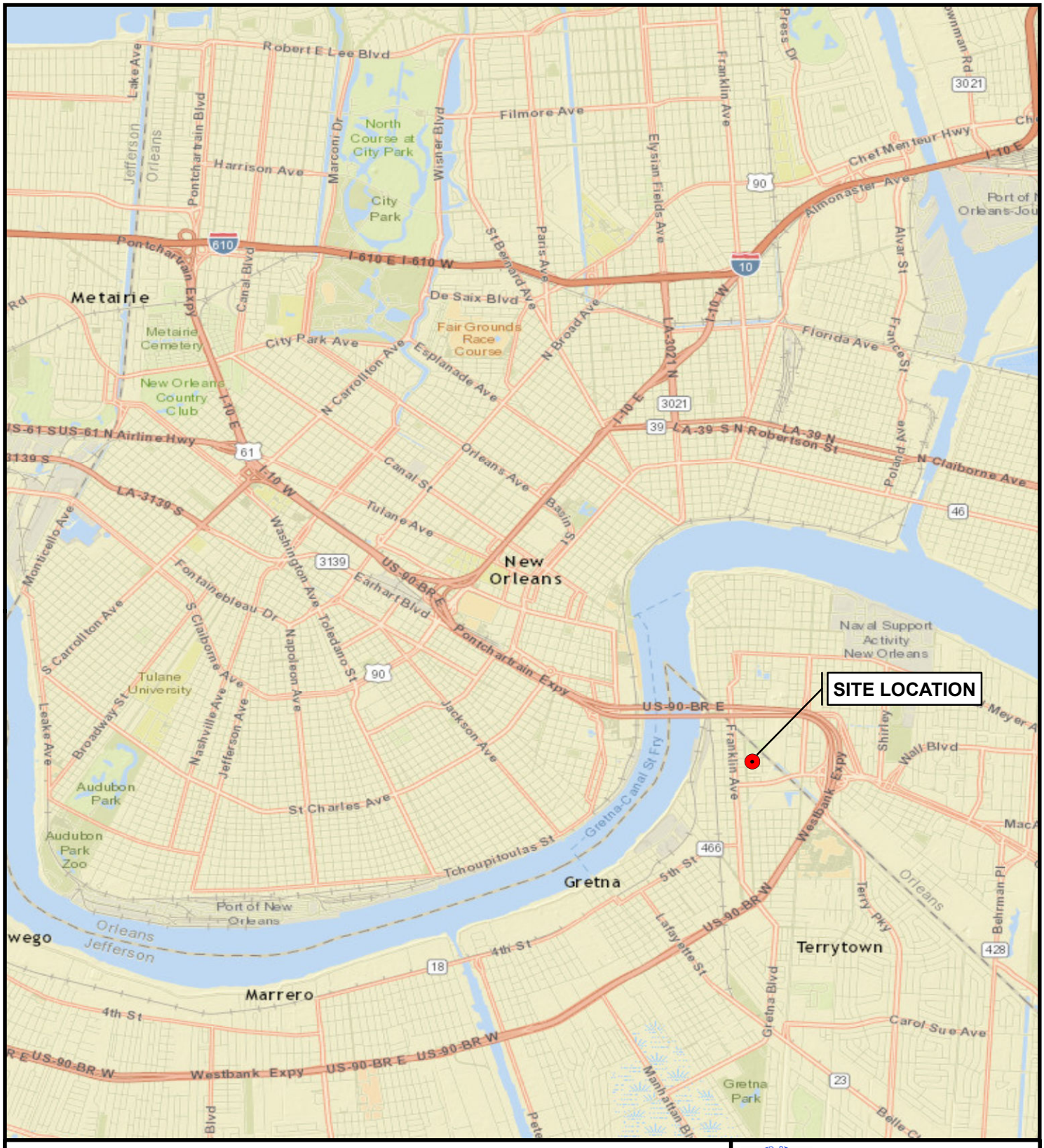
H. Digital Photographs

I. Pollution Reports

J. TDD No. 1/WESTON-042-15-016

Attachment A

Site Location Map



LEGEND

- SITE LOCATION

N

0 6,000 12,000

SCALE IN FEET

SOURCE: WORLD STREET MAP, ESRI
TDD NO: 1/WESTON-042-15-016
NRC: N/A

US EPA REGION 6

ATTACHMENT A

SITE LOCATION MAP

GRETNA PLATING AND POLISHING
725 CARRICOX STREET
GRETNA, JEFFERSON PARISH, LOUISIANA

DATE	PROJECT NO	SCALE
DECEMBER 2015	20406.012.001.0957.01	AS SHOWN

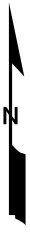
FILE: D:\GISData\Projects\START\GretnaPlating\Maps\ATTACHMENT A - SITE LOCATION MAP.mxd 2:58:50 PM 12/9/2015 baye

Attachment B

Site Area Map

LEGEND

SITE LOCATION



0 200 400

SCALE IN FEET

SOURCE: WORLD STREET MAP, ESRI
TDD NO: 1/WESTON-042-15-016
NRC: N/A

US EPA REGION 6

ATTACHMENT B

SITE AREA MAP

GRETNA PLATING AND POLISHING

725 CARRICOX STREET

GRETNA, JEFFERSON PARISH, LOUISIANA

DATE	PROJECT NO	SCALE
DECEMBER 2015	20406.012.001.0957.01	AS SHOWN

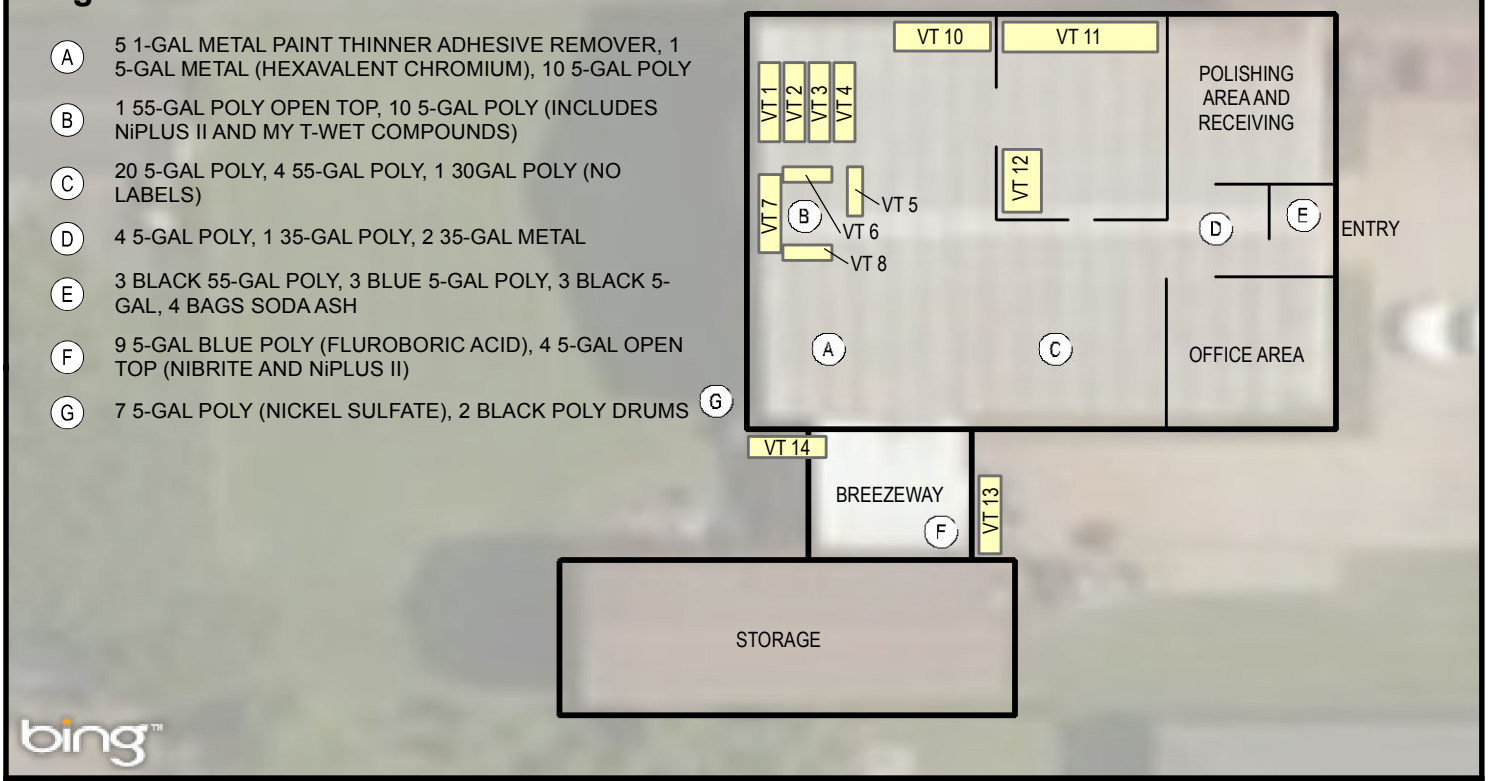
FILE: D:\GISData\Projects\START\GretnaPlating\Maps\ATTACHMENT B - SITE AREA MAP.mxd 2:59:44 PM 12/9/2015 baye

Attachment C

Site Sketch

Legend

- (A) 5 1-GAL METAL PAINT THINNER ADHESIVE REMOVER, 1 5-GAL METAL (HEXAVALENT CHROMIUM), 10 5-GAL POLY
- (B) 1 55-GAL POLY OPEN TOP, 10 5-GAL POLY (INCLUDES NiPLUS II AND MY T-WET COMPOUNDS)
- (C) 20 5-GAL POLY, 4 55-GAL POLY, 1 30GAL POLY (NO LABELS)
- (D) 4 5-GAL POLY, 1 35-GAL POLY, 2 35-GAL METAL
- (E) 3 BLACK 55-GAL POLY, 3 BLUE 5-GAL POLY, 3 BLACK 5-GAL, 4 BAGS SODA ASH
- (F) 9 5-GAL BLUE POLY (FLUROBORIC ACID), 4 5-GAL OPEN TOP (NIBRITE AND NiPLUS II)
- (G) 7 5-GAL POLY (NICKEL SULFATE), 2 BLACK POLY DRUMS



LEGEND

- SITE LOCATION
- POTENTIAL IMPACT AREA
- STORMWATER FLOW

SOURCE: WORLD STREET MAP, ESRI
TDD NO: 1/WESTON-042-15-016
NRC: N/A

US EPA REGION 6

ATTACHMENT C

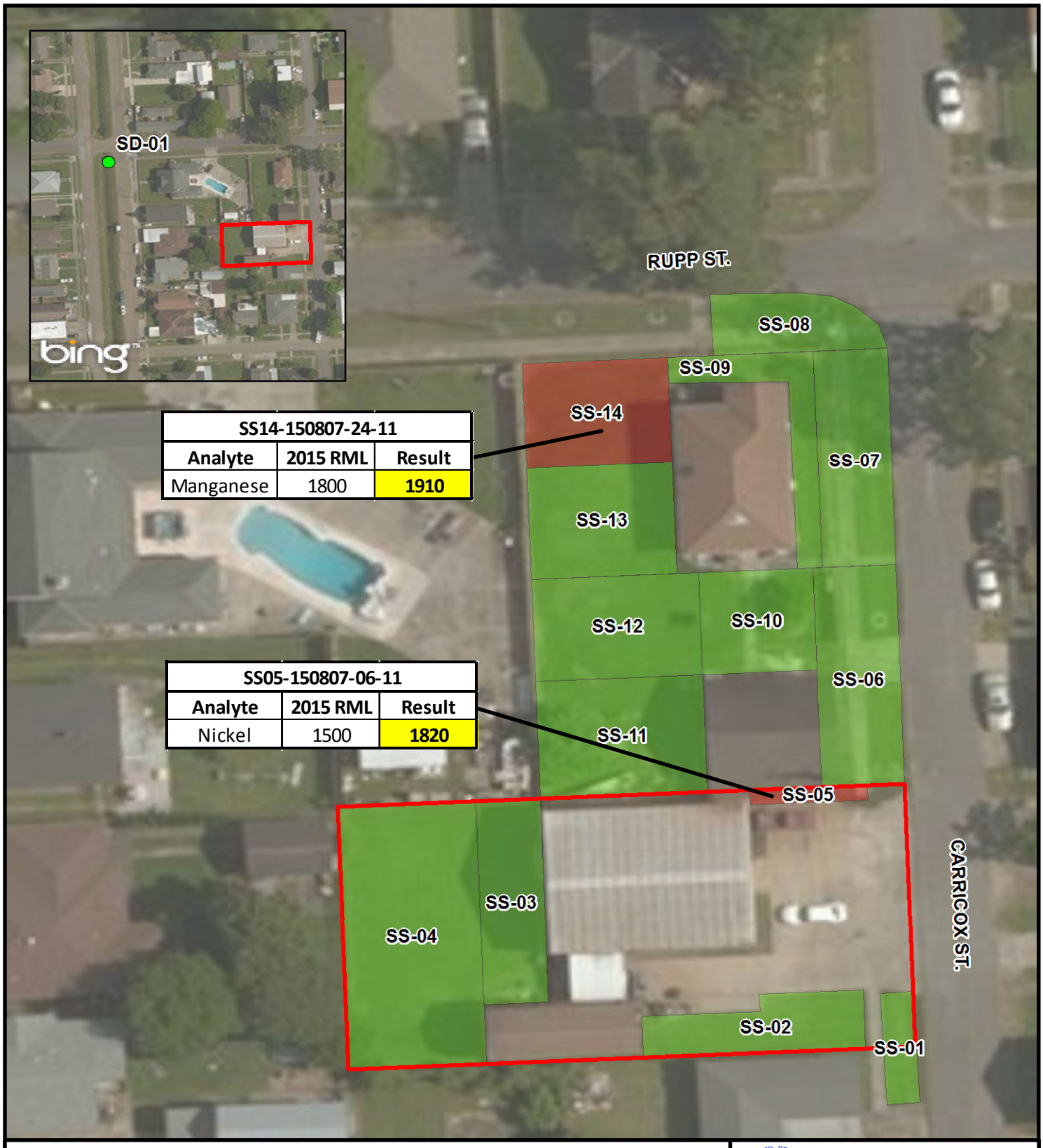
SITE SKETCH
GRETNA PLATING AND POLISHING
725 CARRICOX STREET
GRETNA, JEFFERSON PARISH, LOUISIANA

DATE	PROJECT NO	SCALE
DECEMBER 2015	20406.012.001.0957.01	AS SHOWN

FILE: D:\GISData\Projects\START\GretnaPlating\Maps\ATTACHMENT C - SITE SKETCH.mxd 3:03:08 PM 12/9/2015 baye

Attachment D

Sample Location Map



SS14-150807-24-11		
Analyte	**2015 RML**	**Result**
Manganese	1800	**1910**

SS05-150807-06-11		
Analyte	**2015 RML**	**Result**
Nickel	1500	**1820**

LEGEND

SITE BOUNDARY

SEDIMENT SAMPLE LOCATIONS

NO EXCEEDANCE OF 2015 RMLs

EXCEEDANCE OF 2015 RMLs

SEDIMENT SAMPLE LOCATOIN

NO EXCEEDANCE OF 2015 RMLs

EXCEEDANCE OF 2015 RMLs

SOURCE: BING AERIAL IMAGERY
TDD NO: 1/WESTON-042-15-016
NRC: N/A

N

0 40 80

SCALE IN FEET

US EPA REGION 6

ATTACHMENT D

SAMPLE LOCATION MAP
GRETNA PLATING AND POLISHING
725 CARRICOX STREET
GRETNA, JEFFERSON PARISH, LOUISIANA

DATE	PROJECT NO	SCALE
NOVEMBER 2015	20406.012.001.0957.01	AS SHOWN

FILE: D:\GISData\Projects\START\GretnaPlating\Maps\ATTACHMENT D - SAMPLE LOCATION MAP.mxd 3:03:33 PM 12/9/2015 baye

Attachment E

Site Logbook

Outdoor writing products • for Outdoor writing people

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All components of this product are recyclable

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A patented, environmentally responsible, all-weather writing paper that sheds water and enables you to write anywhere, in any weather.

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JOURNAL
№ 391

TDD # 1/WESTON-042-15-016
WO # 20406.012.001.0957.01

LOGBOOK 1 OF 1

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ALL-WEATHER WRITING PAPER

Name _____

_____

Address _____

_____

Phone _____

Project _____

_____

_____

_____

Clear Vinyl Protective Slipcovers (Item No. 30) are available for this style of notebook.
Helps protect your notebook from wear & tear. Contact your dealer or the J. L. Darling Corporation

CONTENTS

PAGE	REFERENCE	DATE

Background

- At Approximately 0900 on 8/3/15 the Gretna Plating & Polishing Company experienced a fire at their facility located at 725 Carricox St. in Gretna, Jefferson Parish, LA. The Jefferson Parish Fire Dept responded and extinguished the fire by ~1200 on 8/3/15.
- EPA OSC Eric ~~Boling~~ Delgado mobilized to the site on 8/3/15 and conducted a visual inspection of the site with representatives from USCG, LDEQ, Louisiana State Police, & The Jefferson Parish Fire Dept.
- Building was heavily damaged by fire.
- Fire suppression water migrated off site to property North of site.
- EPA ~~Actions~~ verbally tasked START on 8/4/15 to conduct an ER removal assessment.

1/Weston-042-15-016 8/4/15

1000 - START has been verbally tasked by EPA OSC Eric Delgado to mobilize to the Gretna Plating & Polishing facility in Gretna, LA to conduct an ER removal assessment. The facility conducted chrome & nickel plating activities and caught fire on Monday 8/3/15. START is verbally tasked to conduct a Tier 2 response; inspect/inventory chemical hazards; assess whether hazardous materials have migrated off site; & assess potential impacted areas.

1030 START's Jeff Valent & Eric Bay gathering documents & loading equipment in ER truck.

1100 START E. Bay has produced preliminary site location, site area & site sketch maps.

1145 START's J. Valent & E. Bay enroute to Gretna Plating site located at 725 ~~Gretna~~ Carricox St.

Rite in the Rain

8/4/15 I/Weston-042-15-016

1145 comm - Gretna, Jefferson Parish, LA.

1315 - STATTS Arrive at site & meet with OSC Eric Delgado. Representatives from LDEQ (Lee Leonard & Jeff Parham), Louisiana State Police (Jimmy Hicks), City of Gretna (Brandon Gonvicelow) & Jefferson-Kenner Haz-Mat/Fire Dept. (Bob Darsy) also on site

1325 OSC E Delgado provides site Briefing: = Facility caught Fire yesterday = 0900. Extinguished By 1200 hrs.

- Cause Ball-cutt to be Electrical
- Fire suppression water flowed offsite to drainage ditch & residential property to the North.
- Fire dept placed sandbags around storm drain to prevent off site migration.
- LDEQ contacted EPA & Requested Assistance
- According to the Owner (Mr. Robert Bunch) the Plating

I/Weston-042-15-016 8/4/15

1325 comm - Facility conducted small scale decorative Chrome & Nickel Plating activities which included
1) Stripping Dirt/Grease with Muriatic Acid
2) Grinding & Buffing Items
3) Pretreatment w/ NaOH & H_2SO_4
4) N. Plating w/ Nickel Sulfate
5) Chrome Plating w/ Chromic Acid
- Electroplating activities did result in wastewater treatment & storage of haz-waste.

1330 OSC Delgado has tasked START to compile sampling plan to Assess Residential Soil that may have been impacted by Fire Suppression Run off Water.

1335 START suggests Total Metals, Hex-valent Chromium, Total & Dissolved CN & pH. OSC requests Results For 24 hr & 48-hr TAT.

1345 START conducts Daily Safety Meeting. See Site Safety Plan.

Weather - Cloudy, Light Rain, Humid Temp = 85°F, Wind Light & Variable Physical Haz - Slip, Trip Fall, Puncture

Rain the Rain

8/4/15 042-15-016

1345 CONT. · COMMON HAZARDS - ACIDS, BASES
UNKNOWNS

1350 START DRESSING OUT IN LEVEL C
TO CONDUCT AIR MONITORING INSIDE
BUILDING + PHOTO DOCUMENT.
AIR MONITORING WILL BE CONDUCTED
USING MULTIRAE (RFW 23796)
5-GAS MONITOR (CO, LEL, H_2S, O_2 +
VOC) PLUS CHROMIC ACID DRAEGER
TUBES.

1415 START OUT OF FACILITY. NO
READING ABOVE BACKGROUND. HEAVY
DAMAGE TO STRUCTURE
DUE TO FIRE. ACCESS LIMITED TO
TO DOORS.
- APPROXIMATELY 12 DIPPING VATS
WERE OBSERVED IN FAIR TO POOR
CONDITION.
- NUMEROUS CONTAINERS PILED
UP THROUGHOUT FACILITY.

1445 START WRIGHT HAS CONTACTED
DAVID CROW TO IDENTIFY SOME-
ONE TO HELP WITH SAMPLING PLAN.

1500 START CONTACTS KAREN BROWN (PACE)
+ KIM LITTLE (GCAL) FOR SAMPLE

042-15-016 8/4/15

1500-CONT - ANALYTICAL PRICING.

1520 - START WRIGHT + BAY CONDUCT
PERIMETER WALK OF SITE.

1535 SOME DENUDED GRASS AREA
NOTED ON RESIDENTIAL PROPERTY
TO THE NORTH (928 RUPP ST.);
POTENTIAL RESULT ON FIRE SUPPRESSION
WATER.

1600 LAT/LONG FOR CHROME PLATING
SITE IS 29.932136° N; -90.047861° W.

1645 START RAM DOCUMENTING
SURROUNDING PROPERTIES & WILL
PROVIDE TO OSC ON SITE SKETCH.

1800 START ENROUTE BACK TO
WESTON BATON ROUGE OFFICE TO
WORK ON SITE FIGURES & SAMPLING
PLAN

1935 START AT OFFICE WORKING
ON FIGS + SAMPLE PLAN

2045 REVIEW TBD FUNDING REQUEST
WITH D. CROW. OSC DELGADO
HAS REQUESTED COST ESTIMATE FOR
SAMPLING EVENT.

2135 START EMAILS DRAFT SAMPLING
PLAN TO OSC DELGADO.

8/5/15 042-15-016

0800 START: WRIGHT + BAY DEPART OFFICE FOR GRETNA PRETRIM SITE

0945 ARRIVE AT SITE. LSP, LDEQ CITY OF GRETNA + JPFD (HAZMAT) ARE ON SITE.

0955 DAILY SAFETY MEETING - SEE SITE SAFETY PLAN. WEATHER - WARM HUMID ~ 80° HIGH IN 90's PHYSICAL HAZ - SLIP/TRIP/FALL; HEAT STRESS, PUNCTURE. CHEMICAL HAZ - ACIDS, BASES ETC.

1015 STATE: WRIGHT + BAY WALK STORM WATER DRAINAGE LINES WITH LDEQ LEAD + CITY OF GRETNA CONFLICTION. LDEQ HAS REQUESTED THAT STORM DRAIN LINES BE FLUSHED. START MENTIONS THAT HEAVY RAIN LAST NIGHT PROBABLY PROVIDE SAME AFFECT.

1030 LDEQ HAS REQUESTED SOIL SAMPLE ANALYSIS + WALK SOME AREAS EXCAVATED IMMEDIATELY. START TO REVIEW REQUEST WITH OSC

042-15-016 8/5/15

1048 - START WRIGHT REVIEWS LDEQ REQUEST WITH OSC DELGADO. OSC STATES THAT SOIL SAMPLING WILL BE CONDUCTED + SAMPLES ANALYZED FOR TAL METALS, Cr^{+6} + pH ONLY. NO EXCAVATION UNTIL SAMPLE DATA RECIEVED.

OSC HAS ALSO REQUEST A D-AGRAM / SKETCH + VOL ESTIMATE OF THE VATS ON SITE.

1115 START WRIGHT CONTACTING LABS START BAY CONFIRMING VAT SKETCH

1120 CITY OF GRETNA MAYOR ON SITE + OSC DELGADO PROVIDING SITE WALK.

1130 ERRS DAN OSER (SHAW ENV.) ARRIVES ON SITE. START WRIGHT PROVIDES SITE BRIEFING/WALK. ERRS OSER STATES THAT OSC DELGADO HAS TASKED THEM TO TRANSFER CONTENTS OF VAT THAT WERE USED IN ELECTROPLATING ACTIVITIES (NOTE SOME WERE OLD + NOT USED OR CONTAINED RINSE WATER)

8/5/15 042-15-016

1230 STARTS OFF SITE FOR LUNCH.

1310 RETURN TO SITE.

1330 START HAS RECEIVED STAINLESS STEEL HAND AUGER (SHIPPED FROM DENVER) THAT WILL BE USED FOR CONCRETE AND SAMPLING.

1400 START LAUGHLIN HAS REQUESTED ADDITIONAL PERSONNEL (1) TO ASSIST WITH SOIL SAMPLING. OSC DELGADO HAS AGREED.

1415 START LAUGHLIN DISCUSS FUTURE PERSONNEL SUPPORT WITH D. BURNELSON WHO STATES THAT KEITH DELIBERANO IS LIKELY AVAILABLE

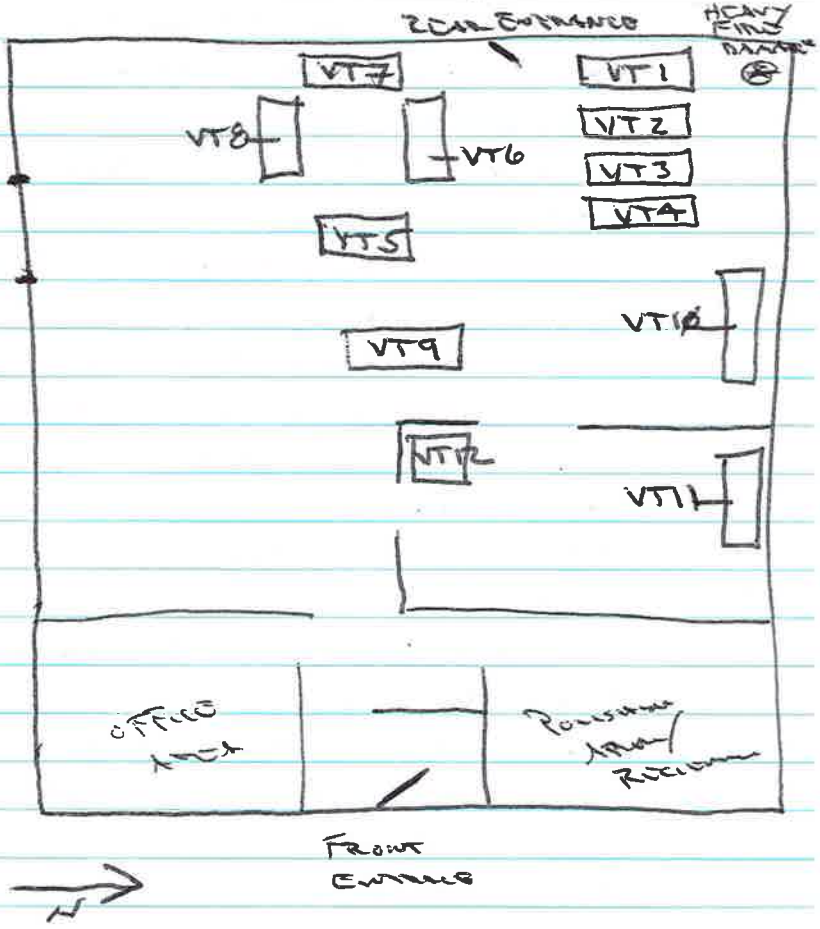
1505 ERRS CONTRACTORS DAVID BERNARD, SHANE ROJAS & HARRIN LEWIS (SWS ENVIRON) ARRIVE ON SITE. ERRS RESPONSE MANAGER DAN OSER CONDUCTS SITE BRIEFING.

1515 EPA, START, & ERRS CONDUCT SITE WALK, AND REVIEW WORK PLAN. ERRS TO TRANSFER CONTENTS OF PRESENT VATS TO

042-15-016 8/5/15

1515 CONT - NEW VOC TUBES ON 55-GAL DRUMS.

1535 START LAUGHLIN MARKING/LABELING VATS. SEE SKETCH:



8/5/15 042-15-016

1555 ERRS CREW SETTING UP DRUM STAGING AREA OUTSIDE ON WESTSIDE OF BUILDING.

1615 EPA OSC DELGADO WAS REQUESTED THAT DRUM STAGING AREA BE MOVED INSIDE OF BUILDING. (1)

1630 REPRESENTING STAGING AREA

1705 ERRS MSINGA ROLLY D-MAN PUMP TO TRANSFER CONTENTS OF VAT VT1 INTO POLY TOTE. - NOTE - BASED ON VAT MEASUREMENT THE VOL ESTIMATED PER VAT IS ≈ 240-250 GAL. (2)

1710 START E. BAY WORKING ON POWER

1800 ERRS CONTINUES TRANSFER OPERATIONS. (3)

1920 CONTENTS OF VATS VT1, VT11 & VT12 TRANSFERED. (4)

1930 PUMP MALFUNCTION DURING VT10 TRANSFER, WILL COMPLETE TO MORROW (5)

1950 STARTS DEMOB SITE FOR BATON ROUGE OFFICE.

2120 ARRIVE AT BR OFFICE (6)

042-15-016 8/6/15

0620 START: J. WRIGHT & E. BAY MEET AT WESTON OFFICE & DEPART FOR GRETNA PLATING SITE.

0800 ARRIVE AT SITE. WESTON'S/STATE KEITH DELHOMME ON SITE.

ERRS CREW (6) ONSITE:

1-RM - DAN OSER (SMW/CBI)

1-FOREMAN - DAVID BERNARD

4-CREW - HAROLD LEWIS, EMMANUEL BOURGEOIS, RANCE GRIER & JEREMY OXLEY. (7)

0810 DAILY SAFETY MEETING.

WEATHER - 83°F, WIND SSW @ 6 mph, HIGH IN MID 90's = 40% CHANCE OF RAIN. PHYSICAL HAZARDS - HEAT STRESS, SLIP/TRIP/FALL, PUNCTURE. CHEMICAL HAZARDS - ACIDS, BASES.

0900 START: E. BAY & K. DELHOMME BEGIN 5-PT COMPOSITE SAMPLING AT GRID SS01 (NOTE - SITE AREA & ADJACENT PROPERTY TO NORTH WAS DIVIDED INTO 14 GRIDS AS INDICATED ON THE PROPOSED SAMPLE LOCATION MAP IN THE SAMPLING PLAN.). (8)

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0900 - NOTE - OSC DELGADO HAS REQUEST THAT THE 5 PT COMPOSITE DEPTH INTERVAL BE 0-6", 6-12", 12-18" & 18-24".

0905 START WRIGHT TO PURCHASE SAMPLE PREP & EQUIP. DECON SUPPLIES.

0935 ERIN'S CREW COMPLETING VAT TRANSFER. CONTENTS OF VATS VT1, VT10, VT11 & VT12 WERE TRANSFERED TO 1-POLY TOTE TANK & 13-55 GAL DRUM. TOTAL VOL = 1100 GAL. CONTENTS OF OTHER VATS NOT TRANSFERED AS THEY WERE EITHER NOT HISTORICALLY USED IN THE PROCESS OR CONTAINED RINSE WATER, OR WERE IN FAIR CONDITION.

1035 START TEAM ABOUT TO COMPLETE 1ST SAMPLE GRID (SS01). SOIL CONTAINS OYSTER SHELLS & VERY DIFFICULT TO HAND AUGER.

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1100 START WRIGHT DISCUSSING SAMPLING OPERATIONS W/OSC DELGADO. SUGGEST SUB-CONTRACTING GEOPROBE SERVICES TO FINISH SAMPLING IN A TIMELY MANNER. OSC DELGADO APPROVES GEOPROBE SERVICES

1115 START WRIGHT CONTACTS DAVID BORDELON TO HELP SET UP GEOPROBE SUBCONTRACTOR.

1130 NOTE - DUE TO DIFFICULTY OF HAND AUGERING ONLY 0-6" INTERVAL WAS COLLECTED AT GRID SS06; REMAINING INTERVAL WILL BE COLLECTED VIA GEOPROBE.

1145 TWO (2) MAN HAND AUGER TEAM WILL CONTINUE SAMPLING AFTER LUNCH, BUT WILL MOVE TO GRIDS SS11 & SS12 IN RESIDENTIAL PROPERTY. HOPING NOT TO ENCOUNTER ROCK/SHELL IN YARD.

1200 BREAK FOR LUNCH.

1235 RESUME 5-PT COMPOSITE HAND AUGERING.

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1310 ERRS CREW WORKING TO PATCH ALL HOLES ON OUTER BUILDING STRUCTURE WITH METAL OR WOOD & SHEET METAL SCREWS.

1420 STATE CONTRACTOR SAMPLE COLLECTION AND PROCESSING AT GRID SS11.

1450 BEGIN SAMPLING GRID SS12.

1600 COMPLETE GRID SS12

1615 LDEQ BRIAN RICAUD, DAMON LABBERT MEET WITH OSC RICARDO & CONDUCT SITE WALK.

1630 START SAMPLING GRID SS13

1740 COMPLETE GRID SS13.

1750 EPA & LDEQ PERSONNEL OFF SITE TO GRETNA COMMUNITY MEETING.

1815 STATE'S BAY & DECHANO PACKING EQUIPMENT & PREPPING FOR END OF THE DAY.

1825 STATE'S DECHANO & BAY OFF SITE TO HOLIDAY INN. WILL SPEND THE NIGHT & ARRIVE

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1825 CONT - EARLY TOMORROW (0700) TO MEET GEOPROBE CONTRACTOR QRI & RESUME SAMPLE COLLECTION

1845 ERRS CREW PREPPING FOR END OF DAY.

1910 STATE WALKOFF OFFSITE TO HOLIDAY INN.

Summary - Samples Collected:

ID No.	Date	Time	By	Analysis TAL Metals, Cr(VI), pH
SS01-150806-06-11	8/6/15	0915	RD/ED	
SS01-150806-06-12		0915		
SS01-150806-12-11		0938		
SS01-150806-18-11		1022		
SS01-150806-24-11		1040		
SS06-150806-06-11		0952		
SS11-150806-06-11		1300		
SS11-150806-12-11		1315		
SS11-150806-18-11		1400		
SS11-150806-24-11		1420		
SS12-150806-06-11		1500		
SS12-150806-12-11		1515		
SS12-150806-18-11		1535		
SS12-150806-24-11		1600		
SS13-150806-06-11		1633		
SS13-150806-12-11		1650		
SS13-150806-18-11		1711		
SS13-150806-24-11		1739		

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0655 - STARTS J. WRIGHT, K. DELHOMME + E. BAY ARRIVE AT SITE. CONDUCT DAILY SAFETY MEETING. WEATHER - TEMP ≥ 80°F; HIGH IN MID 90's, ≈ 30-40% CHANCE OF RAIN. CHEMICAL HAZARDS - ACIDS & BASES. PHYSICAL HAZARDS HEAT STRESS, SLIP/TRIP/FALL

0715 QRI (GEOPROBE CONTRACTOR) ONSITE. STARTED (JEREMY RUIZ, JASON HEW & MICHAEL VANSCHOONBROEK) AND ON SITE. STARTS WRIGHT REVIEW HASP & CONDUCT SITE WALK.

0720 QRI JEREMY RUIZ IS MARKING ALL UNDERGROUND UTILITIES.

0720 ERAS CREW ONSITE - WILL CONTINUE TO PATCH HOLES IN EXTERIOR BUILDING. WILL ALSO VAC UP REMAINING WATER ON FLOOR OF FACILITY.

0800 QRI BEGINS GEOPROBE ACTIVITIES IN GRID SS06 (6-12, 12-18 & 18-24" INTERVALS)

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0830 START: E. BAY & K. DELHOMME PROCESSING GEOPROBE CORES & COLLECTING COMPOSITE SAMPLES.

0840 QRI CONDUCTING GEOPROBE ACTIVITIES IN GRID SS07

0855 OSC DELHOMME ONSITE, CONDUCT SITE WALK.

0905 START WRIGHT EFFECTS TO PURCHASE SAMPLE PREP & EQUIPMENT DECON SUPPLIES.

0945 START WRIGHT BACKFILLING K. DELHOMME & E. BAY PROCESSING GEOPROBE CORES FROM GRID SS08

QRI COLLECTING GEOPROBE CORES IN GRID SS14

1045 START E. BAY COLLECTING ONE SURFACE WATER SAMPLE (SW01) FROM DRAINAGE CANAL ALONG HANCOCK ST. WHERE STORM DRAIN AT FACILITY SERVICING ENTITIES INTO CANAL.

1050 E. BAY ALSO COLLECTS ONE SEDIMENT SAMPLE (SD01) AT SAME LOCATION.

Robin the Rain

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1100 ERRS CREW WORK TO REPAIR FENCE ALONG NORTHSIDE OF BUILDING.
START ALSO COMPLETES PROCESSING GEOPROBE CORES FOR GRID SS09

1130 PROCESSING GRID SS10 GEOPROBE CORES.

1145 START WILLIAMS & ORI OFFSITE TO PICK UP LUNCH & BRING BACK TO SITE.

1240 START PROCESS GEOPROBE CORES FROM GRID SS04

1245 LAB ENTRY - EQUIPMENT RINSATE SAMPLE (SS14-150807-02) WAS COLLECTED AT 1000.

1300 START PROCESS GEOPROBE CORES FROM GRID SS02

1315 GEOPROBE CREW COLLECTING CORES IN LAST GRID SS02. (GRID SS05 WILL HAVE TO BE HAND AUGERED DUE TO ACCESS RESTRICTIONS).

1430 ORI DECONING EQUIPMENT & PACKING UP SUPPLIES.

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1520 ORI & ERRS CREW OFFSITE FOR THE DAY.

1530 START'S USING HAND AUGER TO COLLECT SAMPLES IN GRID SS05

1535 ERRS WORK TODAY INCLUDED:
- CONTINUE EXTERIOR BLDG REPAIR
- GEN HOUSEKEEPING INSIDE BLDG
- CLEAR ACCESS NEAR REAR DOOR
- REPAIR FENCE ALONG NORTHSIDE OF BLDG.
- MEET WITH SECURITY FENCE CONTRACTOR

1615 START HAS COMPLETE 5-PT COMPOSITE SAMPLING.

1645 START'S BAGGING & PREPARE SAMPLE CONTAINERS FOR ICE CHEST.

1700 START K. DELHOMME HAS DEPARTED SITE FOR LAFAYETTE, LA.

1730 START COMPLETING COC's.

1750 START'S WILLIAMS & BOY DEPART FOR BATON ROUGE. SAMPLES WILL BE STORED (LOCKED) IN OFFICE LOW ICE OVERNIGHT.
START WILL

Rite in the Rain

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1750 cont. - Deliver samples to GCAL Analytical Lab first thing tomorrow morning. Lab is located at 7979 Innovation Park Dr., Baton Rouge, LA 70817

1930 Arrive back in Baton Rouge. Purchase additional ice for samples storage.

2010 Unpacking ER Trailer

2045 Staff depart office.

Summary - Samples Collected

ID. No.	Date/Time		Collected By	Analysis
SS06-150807-12-11	8/7/15	0830	KD/EB	TAL Metals CN, pH
SS06-150807-18-11		0835		
SS06-150807-24-11		0840		
SS07-150807-06-11		0850		
SS07-150807-12-11		0855		
SS07-150807-18-11		0900		
SS07-150807-24-11		0905		
SS08-150807-06-11		0925		
SS08-150807-12-11		0930		
SS08-150807-18-11		0940		
SS08-150807-24-11		0945		

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Summary - Samples Collected

ID No.	Date/Time		Collected By	Analyzed
SS14-150807-06-11	8/7/15	1010	KD/EB	TAL Metals CN, pH
SS14-150807-12-11		1015		
SS14-150807-18-11		1020		
SS14-150807-24-11		1025		
SS14-150807-23		1000		
SW01-150807-01		1045		
SD01-150807-02-11		1050		
SS09-150807-06-11		1045		
SS09-150807-12-11		1055		
SS09-150807-18-11		1050		
SS09-150807-24-11		1100		
SS10-150807-06-11		1130		
SS10-150807-12-11		1135		
SS10-150807-18-11		1185		
SS10-150807-24-11		1145		
SS02-150807-06-11		1250		
SS02-150807-12-11		1255		
SS02-150807-18-11		1300		
SS02-150807-24-11		1305		
SS02-150807-06-12		1250		
SS04-150807-06-11		1240		
SS04-150807-12-11		1245		
SS04-150807-18-11		1250		

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Summary - Samples Collected

ID No.	Date/Time	Collected By ED/EB	Analyzed TAL Metals (26 pts)
SS04-150807-18-12	8/7/15 1250		
SS04-150807-24-11	1255		
SS03-150807-06-11	1400		
SS03-150807-12-11	1405		
SS03-150807-18-11	1415		
SS03-150807-24-11	1410		
SS03-150807-06-12	1400		
SS05-150807-06-11	1515		
SS05-150807-06-12	1515		
SS05-150807-12-11	1530		
SS05-150807-18-11	1555		
SS05-150807-24-11	1610		

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0800 Depart for office to pick up samples and ice them down (additional ice if required). Note- samples were on ice & locked in office overnight.

0820 At office to pick up samples

0830 Depart office, enroute to GCAL Labs, 7979 Innovation Park Dr, Baton Rouge, LA 70820.

0920 Arrive at GCAL, sign COCs and drop off samples.

0938 Depart GCAL for Geismar Plastic Site

1100 Arrive at site. Conduct daily Safety Meeting. Weather Temp = 91°F; Rain in Upper 70's Wind Light & Variable. Physical Hazards Slip/Trip/Fall: Chemical Hazards Acids & Bases.

1105 Start to document ERAS activities. ERAS starting cute Rain Boots.

1115 ERAS crew cleaning & vacuuming up leaves on floor (Rock-Lock Food Substitution Water).

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1245 ERAS CLEANING UP WORKSITE

1350 ERAS CLOSING/SECURING OPEN ACCESS AREAS OF PLATING SHOP (SW ACCESS DOOR).

1357 ERAS HAS COMPLETED CLOSING/SECURING ALL ACCESS AREAS OF PLATING SHOP.

1400 CREW PREPARING SITE FOR DEMOB. ERAS HAS CONTRACTED AT FENCE INSTALLATION CO. TO INSTALL A SECURITY FENCE ALONG EAST (FRONT) SIDE OF PROPERTY. IT WILL TIE IN WITH EXISTING FENCE ON SOUTH & NORTH SIDE OF PROPERTY. FENCE CONTRACTOR IS SCHEDULED TO ~~1ST~~ 3RD INSTALL FENCE TOMORROW.

ERAS RM OSEN WILL SOON START PHOTOS OF FENCE.

1410 START LOADING DEBRIS FROM SITE.

Attachment F

Sample Results Table

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SD01-150807-02-11 8/7/2015 Field Sample	SS01-150806-06-11 8/6/2015 Field Sample	SS01-150806-06-12 8/6/2015 Field Duplicate	SS01-150806-12-11 8/6/2015 Field Sample	SS01-150806-18-11 8/6/2015 Field Sample	SS01-150806-24-11 8/6/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**4620**	**5370**	**6200**	**5880**	**9230**	**9660**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.197 U	**0.235 J**	**0.213 J**	0.198 U	0.198 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**16.6**	**3.1**	**4.3**	**5.78**	**4.81**	**9**
Barium	7440-39-3	mg/kg	548	548	15000	--	**176**	**131**	**144**	**229**	**206**	**247**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.339 J**	**0.424**	**0.452**	**0.557**	**0.793**	**0.861**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**1.06**	**2.22**	**2.05**	**1.96**	**0.624**	**0.663**
Calcium	7440-70-2	mg/kg				--	**19700**	**8670**	**8970**	**29000**	**9170**	**8220**
Chromium	7440-47-3	mg/kg				--	**18.8**	**15.8**	**17.8**	**22.9**	**18**	**18**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**17.6**	**15.8**	**17.8**	**22.9**	**18**	**18**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**4.63**	**5.07**	**6**	**6.96**	**9.95**	**10.7**
Copper	7440-50-8	mg/kg	313	313	3100	--	**69.2**	**168**	**271**	**204**	**37.5**	**28.6**
Iron	7439-89-6	mg/kg	55000		55000	--	**11700**	**9500**	**12400**	**11400**	**11900**	**17100**
Lead	7439-92-1	mg/kg	400	400	400	--	**155**	**284**	**267**	**286**	**41.1**	**45.7**
Magnesium	7439-95-4	mg/kg				--	**2500**	**2370**	**2560**	**3100**	**3690**	**4790**
Manganese	7439-96-5	mg/kg	1800		1800	--	**625**	**176**	**204**	**247**	**298**	**676**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**17.3**	**95.3**	**156**	**97.3**	**63.7**	**119**
Potassium	7440-09-7	mg/kg				--	**486**	**709**	**773**	**961**	**1230**	**1540**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.771**	**0.402**	**0.541**	**0.367 J**	**0.188 J**	0.1 U
Silver	7440-22-4	mg/kg	39	39	390	--	**0.987**	**0.408**	**0.57**	**0.357 J**	**0.191 J**	**0.114 J**
Sodium	7440-23-5	mg/kg				--	**131**	**70.7**	**80.9**	**210**	**76.7**	**98.1**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.105 J**	**0.121 J**	**0.136 J**	**0.164 J**	**0.235 J**	**0.23 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**14.8**	**15.9**	**17.4**	**21.9**	**25.5**	**25**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**436**	**541**	**488**	**816**	**158**	**113**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	**1.2**	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.21**	**0.072**	**0.067**	**0.086**	**0.027**	**0.037**

Key:
Data Qualifiers

U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters. An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

Footnotes:

1 Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.

2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS02-150807-06-11 8/7/2015 Field Sample	SS02-150807-06-12 8/7/2015 Field Duplicate	SS02-150807-12-11 8/7/2015 Field Sample	SS02-150807-18-11 8/7/2015 Field Sample	SS02-150807-24-11 8/7/2015 Field Sample	SS03-150807-06-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**6910**	**7850**	**9190**	**9940**	**11100**	**5370**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.2 U	0.2 U	0.198 U	0.2 U	0.2 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**8.49**	**6.54**	**8.74**	**12.2**	**6.69**	**3.98**
Barium	7440-39-3	mg/kg	548	548	15000	--	**113**	**124**	**200**	**168**	**204**	**81.5**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.44**	**0.575**	**0.785**	**0.777**	**0.799**	**0.323 J**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**1.18**	**1.04**	**0.656**	**0.457**	**0.345 J**	**1.05**
Calcium	7440-70-2	mg/kg				--	**3880**	**4380**	**6930**	**6250**	**5340**	**6150**
Chromium	7440-47-3	mg/kg				--	**39.9**	**21.9**	**16.2**	**17.7**	**14.7**	**57.4**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**39.3**	**21.4**	**16**	**17.5**	**14.7**	**56.6**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**6.98**	**7.01**	**10.6**	**9.87**	**10.2**	**5.64**
Copper	7440-50-8	mg/kg	313	313	3100	--	**163**	**82.4**	**35.2**	**38.7**	**21.6**	**161**
Iron	7439-89-6	mg/kg	55000		55000	--	**15500**	**13400**	**16900**	**18200**	**22200**	**9890**
Lead	7439-92-1	mg/kg	400	400	400	--	**116**	**78.9**	**53.4**	**38.1**	**15.3**	**67.7**
Magnesium	7439-95-4	mg/kg				--	**2710**	**2850**	**4260**	**4450**	**5320**	**2010**
Manganese	7439-96-5	mg/kg	1800		1800	--	**338**	**482**	**571**	**523**	**269**	**352**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**432**	**521**	**45**	**72.2**	**26.4**	**556**
Potassium	7440-09-7	mg/kg				--	**975**	**1040**	**1290**	**1370**	**1230**	**982**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.443**	0.1 U	**0.463**	**0.326 J**	0.1 U	**0.398 J**
Silver	7440-22-4	mg/kg	39	39	390	--	**0.385 J**	**0.187 J**	**0.124 J**	**0.139 J**	0.1 U	**0.798**
Sodium	7440-23-5	mg/kg				--	**82.3**	**79.6**	**82.4**	**92.9**	**92.5**	**96.8**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.134 J**	**0.162 J**	**0.249 J**	**0.232 J**	**0.221 J**	0.1 U
Vanadium	7440-62-2	mg/kg	55	55	390	--	**17.4**	**18.3**	**26.8**	**23.3**	**21.1**	**11**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**366**	**275**	**97.4**	**113**	**65.2**	**176**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	**0.6**	**0.55**	0.31 U	0.31 U	0.31 U	**0.8**
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.059**	**0.063**	**0.054**	**0.046**	**0.028**	**0.057**

Key:
Data Qualifiers

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Footnotes:

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2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS03-150807-06-12 8/7/2015 Field Duplicate	SS03-150807-12-11 8/7/2015 Field Sample	SS03-150807-18-11 8/7/2015 Field Sample	SS03-150807-24-11 8/7/2015 Field Sample	SS04-150807-06-11 8/7/2015 Field Sample	SS04-150807-12-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**4980**	**11400**	**10400**	**8440**	**4270**	**9320**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.2 U	0.192 U	0.2 U	0.195 U	0.197 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**4.67**	**11**	**13.4**	**7.5**	**3.98**	**3.34**
Barium	7440-39-3	mg/kg	548	548	15000	--	**82.4**	**260**	**316**	**159**	**63.6**	**167**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.344 J**	**0.899**	**0.775**	**0.64**	**0.256 J**	**0.817**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**1.15**	**0.954**	**0.781**	**0.617**	**0.486**	**0.472**
Calcium	7440-70-2	mg/kg				--	**4600**	**7140**	**11500**	**7070**	**7830**	**10300**
Chromium	7440-47-3	mg/kg				--	**74.9**	**19.2**	**15.3**	**16.1**	**7.88**	**13.3**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**74.9**	**19.2**	**14.8**	**16.1**	**7.48**	**12.9**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**6.25**	**11.1**	**10**	**8.02**	**4.61**	**5.7**
Copper	7440-50-8	mg/kg	313	313	3100	--	**161**	**123**	**140**	**65.5**	**20.2**	**19.7**
Iron	7439-89-6	mg/kg	55000		55000	--	**9750**	**24400**	**19800**	**17800**	**7990**	**15200**
Lead	7439-92-1	mg/kg	400	400	400	--	**67.5**	**198**	**109**	**67.5**	**45.9**	**21.3**
Magnesium	7439-95-4	mg/kg				--	**2150**	**5300**	**4190**	**4670**	**1790**	**2810**
Manganese	7439-96-5	mg/kg	1800		1800	--	**266**	**426**	**820**	**441**	**172**	**172**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**610**	**38**	**55.7**	**47.2**	**28.7**	**18.3**
Potassium	7440-09-7	mg/kg				--	**962**	**1880**	**1290**	**1180**	**737**	**1120**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.465**	0.0962 U	**0.29 J**	**0.134 J**	**0.192 J**	0.1 U
Silver	7440-22-4	mg/kg	39	39	390	--	**0.916**	**0.291 J**	**0.845**	**0.133 J**	**0.221 J**	**0.104 J**
Sodium	7440-23-5	mg/kg				--	**96.4**	**97.6**	**75**	**116**	**51.6**	**76.5**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	0.1 U	**0.29 J**	**0.332 J**	**0.19 J**	0.0984 U	**0.204 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**12.2**	**26.2**	**21.6**	**22.6**	**9.74**	**16.6**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**187**	**227**	**169**	**121**	**91.9**	**80.3**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	0.31 U	0.31 U	**0.5**	0.31 U	**0.4 J**	**0.4 J**
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.048**	**0.25**	**0.16**	**0.051**	**0.046**	**0.045**

Key:
Data Qualifiers

U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters. An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

Footnotes:

1 Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.

2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

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Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS04-150807-18-11 8/7/2015 Field Sample	SS04-150807-18-12 8/7/2015 Field Duplicate	SS04-150807-24-11 8/7/2015 Field Sample	SS05-150807-06-11 8/7/2015 Field Sample	SS05-150807-06-12 8/7/2015 Field Duplicate	SS05-150807-12-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**8830**	**9480**	**8600**	**5990**	**5380**	**7110**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.192 U	0.2 U	0.198 U	0.192 U	0.198 U	0.198 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**18.1**	**7.02**	**8.43**	**4.17**	**5.06**	**4.64**
Barium	7440-39-3	mg/kg	548	548	15000	--	**254**	**229**	**238**	**96.3**	**113**	**115**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.715**	**0.683**	**0.678**	**0.36 J**	**0.458**	**0.508**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.587**	**1.19**	**0.963**	**1.65**	**1.74**	**0.907**
Calcium	7440-70-2	mg/kg				--	**15800**	**7620**	**7220**	**3640**	**4070**	**4360**
Chromium	7440-47-3	mg/kg				--	**13.8**	**16.8**	**21.3**	**23.9**	**33.2**	**19.2**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**13.5**	**16.7**	**20.8**	**23.9**	**32.5**	**19.2**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**12.4**	**7**	**7.8**	**10.2**	**11.5**	**7.89**
Copper	7440-50-8	mg/kg	313	313	3100	--		**86.1**	**55.3**	**1300**	**1150**	**610**
Iron	7439-89-6	mg/kg	55000		55000	--		**17200**	**28200**	**15900**	**13100**	**14600**
Lead	7439-92-1	mg/kg	400	400	400	--		**191**	**154**	**109**	**92.9**	**67.8**
Magnesium	7439-95-4	mg/kg				--	**3930**	**3700**	**4650**	**2070**	**2540**	**2710**
Manganese	7439-96-5	mg/kg	1800		1800	--		**297**	**206**	**260**	**281**	**295**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**19.8**	**19.3**	**24**	**1360**	**1150**	**473**
Potassium	7440-09-7	mg/kg				--	**1200**	**1160**	**1290**	**650**	**714**	**843**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.173 J**	**0.307 J**	0.0992 U	**0.278 J**	**0.411**	**0.218 J**
Silver	7440-22-4	mg/kg	39	39	390	--	**0.543**	**0.253 J**	**0.247 J**	**15.9**	**17.1**	**4.39**
Sodium	7440-23-5	mg/kg				--	**110**	**62.4**	**79.2**	**65.9**	**61.1**	**59.2**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.327 J**	**0.21 J**	**0.219 J**	**0.112 J**	**0.127 J**	**0.167 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**23.1**	**20.7**	**24.5**	**13.4**	**16.7**	**17.8**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**160**	**948**	**549**	**1810**	**1180**	**772**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	0.31 U	0.31 U	**0.5**	0.31 U	**0.7**	0.31 U
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.079**	**0.5**	**0.056**	**0.051**	**0.049**	**0.055**

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Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS05-150807-18-11 8/7/2015 Field Sample	SS05-150807-24-11 8/7/2015 Field Sample	SS06-150806-06-11 8/6/2015 Field Sample	SS06-150807-12-11 8/7/2015 Field Sample	SS06-150807-18-11 8/7/2015 Field Sample	SS06-150807-24-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**7630**	**9120**	**5040**	**6600**	**7010**	**9030**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.2 U	0.2 U	0.195 U	0.2 U	0.197 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**6.59**	**6.04**	**3.86**	**3.06**	**8.07**	**3.79**
Barium	7440-39-3	mg/kg	548	548	15000	--	**150**	**141**	**90.3**	**126**	**195**	**163**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.679**	**0.731**	**0.259 J**	**0.672**	**0.649**	**0.881**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.758**	**0.301 J**	**7.61**	**0.372 J**	**0.486**	**0.287 J**
Calcium	7440-70-2	mg/kg				--	**5430**	**4910**	**10000**	**6680**	**5840**	**6410**
Chromium	7440-47-3	mg/kg				--	**29.7**	**14.2**	**29.3**	**13.5**	**13.6**	**15.8**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**29.7**	**14.2**	**29.3**	**13.5**	**13.6**	**15.3**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**9.38**	**6.57**	**5.96**	**5.33**	**11.9**	**7.12**
Copper	7440-50-8	mg/kg	313	313	3100	--	**196**	**87.5**	**188**	**24.5**	**21.9**	**22.7**
Iron	7439-89-6	mg/kg	55000		55000	--	**14100**	**15300**	**12700**	**9020**	**15200**	**11400**
Lead	7439-92-1	mg/kg	400	400	400	--	**76.5**	**25**	**117**	**46.9**	**23.4**	**15.2**
Magnesium	7439-95-4	mg/kg				--	**3620**	**3500**	**2460**	**3500**	**3900**	**4770**
Manganese	7439-96-5	mg/kg	1800		1800	--	**382**	**284**	**294**	**120**	**642**	**229**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**185**	**67.7**	**209**	**21.4**	**24.1**	**21.1**
Potassium	7440-09-7	mg/kg				--	**1090**	**994**	**514**	**1040**	**990**	**1240**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.306 J**	**0.156 J**	**0.261 J**	**0.26 J**	**0.122 J**	0.1 U
Silver	7440-22-4	mg/kg	39	39	390	--	**1.68**	**0.399 J**	**0.404**	**0.16 J**	0.0984 U	0.1 U
Sodium	7440-23-5	mg/kg				--	**73.3**	**66.2**	**70.8**	**85.8**	**77.7**	**90.1**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.201 J**	**0.181 J**	0.0977 U	**0.207 J**	**0.221 J**	**0.245 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**23.5**	**20.6**	**11.1**	**12.4**	**21.6**	**15.7**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**416**	**112**	**435**	**104**	**86.4**	**63.5**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	**0.5**
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.044**	**0.056**	**0.029**	**0.044**	**0.03**	**0.028**

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3. Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

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Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS07-150807-06-11 8/7/2015 Field Sample	SS07-150807-12-11 8/7/2015 Field Sample	SS07-150807-18-11 8/7/2015 Field Sample	SS07-150807-24-11 8/7/2015 Field Sample	SS08-150807-06-11 8/7/2015 Field Sample	SS08-150807-12-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**7210**	**7230**	**8230**	**9710**	**3270**	**7040**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.2 U	0.197 U	0.195 U	0.198 U	0.198 U	0.194 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**4.06**	**5.69**	**5.37**	**7.55**	**3.18**	**5.05**
Barium	7440-39-3	mg/kg	548	548	15000	--	**134**	**148**	**152**	**186**	**71.3**	**134**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.538**	**0.642**	**0.793**	**0.782**	**0.299 J**	**0.61**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.414**	**0.499**	**0.256 J**	**0.317 J**	**0.308 J**	**0.464**
Calcium	7440-70-2	mg/kg				--	**4190**	**5000**	**5800**	**5390**	**8160**	**9390**
Chromium	7440-47-3	mg/kg				--	**35.5**	**18.4**	**16**	**16**	**7.88**	**12.9**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**34.3**	**18.4**	**16**	**16**	**7.63**	**12.9**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**6.67**	**8.35**	**7.74**	**11.3**	**5.78**	**7.58**
Copper	7440-50-8	mg/kg	313	313	3100	--	**18.8**	**19.7**	**22.7**	**20.1**	**11.4**	**27.5**
Iron	7439-89-6	mg/kg	55000		55000	--	**11700**	**12300**	**13200**	**18700**	**6630**	**12100**
Lead	7439-92-1	mg/kg	400	400	400	--	**31.9**	**30**	**15.3**	**14.7**	**21.1**	**47.4**
Magnesium	7439-95-4	mg/kg				--	**2950**	**3630**	**5410**	**4210**	**2720**	**3540**
Manganese	7439-96-5	mg/kg	1800		1800	--	**547**	**390**	**286**	**709**	**218**	**306**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**39**	**24.4**	**21.3**	**24.1**	**15.5**	**20.6**
Potassium	7440-09-7	mg/kg				--	**911**	**1000**	**1190**	**1170**	**599**	**1040**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.361 J**	**0.29 J**	**0.124 J**	0.0992 U	**0.121 J**	**0.316 J**
Silver	7440-22-4	mg/kg	39	39	390	--	0.1 U	0.0984 U	0.0977 U	0.0992 U	0.0992 U	**0.103 J**
Sodium	7440-23-5	mg/kg				--	**77**	**61.9**	**71.2**	**77.1**	**59.3**	**67.9**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.14 J**	**0.21 J**	**0.234 J**	**0.226 J**	0.0992 U	**0.188 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**15**	**20.5**	**19.1**	**21**	**10.9**	**18.8**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**165**	**90**	**66.5**	**65.9**	**67.4**	**100**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	**1.15**	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.033**	**0.037**	**0.027**	**0.028**	**0.017**	**0.039**

Key:
Data Qualifiers

U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters. An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

Footnotes:

1 Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.

2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS08-150807-18-11 8/7/2015 Field Sample	SS08-150807-24-11 8/7/2015 Field Sample	SS09-150807-06-11 8/7/2015 Field Sample	SS09-150807-12-11 8/7/2015 Field Sample	SS09-150807-18-11 8/7/2015 Field Sample	SS09-150807-24-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**7230**	**8260**	**7320**	**8580**	**7230**	**10400**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.2 U	0.2 U	0.2 U	0.198 U	0.192 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**4.59**	**6.83**	**5.14**	**5.59**	**5.65**	**6.58**
Barium	7440-39-3	mg/kg	548	548	15000	--	**158**	**217**	**127**	**167**	**178**	**190**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.772**	**0.731**	**0.474**	**0.709**	**0.659**	**0.866**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.289 J**	**0.475**	**0.368 J**	**0.288 J**	**0.292 J**	**0.279 J**
Calcium	7440-70-2	mg/kg				--	**9460**	**11300**	**3740**	**5170**	**4700**	**6140**
Chromium	7440-47-3	mg/kg				--	**15.2**	**13.9**	**13.1**	**16.2**	**13.8**	**22.2**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**15.2**	**13.9**	**13.1**	**16.2**	**13.8**	**22.2**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**8.22**	**9.76**	**7.69**	**8.95**	**8.79**	**9.64**
Copper	7440-50-8	mg/kg	313	313	3100	--	**20.7**	**18.9**	**22.2**	**22.5**	**17.1**	**25.9**
Iron	7439-89-6	mg/kg	55000		55000	--	**10700**	**14700**	**13000**	**13600**	**12400**	**16400**
Lead	7439-92-1	mg/kg	400	400	400	--	**21**	**17.3**	**42.1**	**27.5**	**17.3**	**17.6**
Magnesium	7439-95-4	mg/kg				--	**4470**	**3910**	**2950**	**4560**	**4300**	**4380**
Manganese	7439-96-5	mg/kg	1800		1800	--	**215**	**822**	**409**	**356**	**416**	**478**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**21.8**	**24.3**	**21.3**	**22.8**	**20.5**	**25.1**
Potassium	7440-09-7	mg/kg				--	**1190**	**1180**	**971**	**1130**	**1000**	**1350**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.15 J**	0.1 U	**0.343 J**	**0.133 J**	**0.163 J**	**0.114 J**
Silver	7440-22-4	mg/kg	39	39	390	--	0.1 U	0.1 U	0.1 U	0.0992 U	0.0962 U	0.1 U
Sodium	7440-23-5	mg/kg				--	**112**	**120**	**69.4**	**73.8**	**66.4**	**81**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.237 J**	**0.228 J**	**0.165 J**	**0.231 J**	**0.216 J**	**0.251 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**18.4**	**18.1**	**18.1**	**22.3**	**19.8**	**23.6**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**71**	**73.4**	**128**	**76.3**	**61.6**	**77.3**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.03**	**0.025**	**0.04**	**0.032**	**0.033**	**0.027**

Key:
Data Qualifiers

U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters. An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

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Footnotes:

1 Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.

2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS10-150807-06-11 8/7/2015 Field Sample	SS10-150807-12-11 8/7/2015 Field Sample	SS10-150807-12-12 8/7/2015 Field Duplicate	SS10-150807-18-11 8/7/2015 Field Sample	SS10-150807-24-11 8/7/2015 Field Sample	SS11-150806-06-11 8/6/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**7320**	**10600**	**8390**	**9570**	**10700**	**7560**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.197 U	0.198 U	0.198 U	0.195 U	0.2 U	**0.274 J**
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**5.4**	**6.23**	**6.57**	**7.77**	**4.79**	**4.95**
Barium	7440-39-3	mg/kg	548	548	15000	--	**132**	**171**	**155**	**160**	**178**	**146**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.599**	**0.833**	**0.709**	**0.704**	**0.842**	**0.338 J**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.545**	**0.321 J**	**0.295 J**	**0.472**	**0.354 J**	**1.77**
Calcium	7440-70-2	mg/kg				--	**5500**	**6700**	**6290**	**5310**	**5080**	**17000**
Chromium	7440-47-3	mg/kg				--	**76**	**20**	**23.8**	**17.5**	**28.4**	**286**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**75.4**	**19.8**	**23.7**	**17.5**	**28.2**	**285**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**7.38**	**7.89**	**7.11**	**9.72**	**9.2**	**7.59**
Copper	7440-50-8	mg/kg	313	313	3100	--	**28.4**	**22.6**	**21.2**	**21.8**	**23.2**	**970**
Iron	7439-89-6	mg/kg	55000		55000	--	**15700**	**18800**	**19200**	**22000**	**17800**	**16500**
Lead	7439-92-1	mg/kg	400	400	400	--	**102**	**20.9**	**16.3**	**17.3**	**17.6**	**117**
Magnesium	7439-95-4	mg/kg				--	**3600**	**5570**	**4910**	**4810**	**5180**	**1950**
Manganese	7439-96-5	mg/kg	1800		1800	--	**344**	**382**	**333**	**666**	**270**	**238**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**58**	**22.1**	**21.9**	**28.9**	**38.7**	**963**
Potassium	7440-09-7	mg/kg				--	**1340**	**1490**	**1110**	**1190**	**1550**	**889**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.247 J**	0.0992 U	0.0992 U	**0.211 J**	**0.1 J**	**0.411**
Silver	7440-22-4	mg/kg	39	39	390	--	**0.127 J**	0.0992 U	0.0992 U	0.0977 U	0.1 U	**1.21**
Sodium	7440-23-5	mg/kg				--	**88.8**	**91.6**	**85**	**95.6**	**114**	**182**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.173 J**	**0.232 J**	**0.194 J**	**0.201 J**	**0.239 J**	**0.103 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**20.9**	**22.8**	**20.5**	**21.6**	**19.6**	**13.8**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**117**	**74.2**	**63.8**	**63.4**	**74.1**	**1090**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	**0.6**	0.31 U	0.31 U	0.31 U	0.31 U	**0.65**
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.041**	**0.033**	**0.034**	**0.027**	**0.029**	**0.045**

Key:
Data Qualifiers

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J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

Footnotes:

1. Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.
2. U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).
3. Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS11-150806-12-11 8/6/2015 Field Sample	SS11-150806-18-11 8/6/2015 Field Sample	SS11-150806-24-11 8/6/2015 Field Sample	SS12-150806-06-11 8/6/2015 Field Sample	SS12-150806-12-11 8/6/2015 Field Sample	SS12-150806-18-11 8/6/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**7710**	**9340**	**10600**	**6360**	**7500**	**9210**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.197 U	0.197 U	0.2 U	0.2 U	0.192 U	0.195 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**7.68**	**5.19**	**5.82**	**5.27**	**5.56**	**5.04**
Barium	7440-39-3	mg/kg	548	548	15000	--	**191**	**157**	**158**	**147**	**173**	**168**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.6**	**0.739**	**0.742**	**0.401**	**0.461**	**0.703**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**1.03**	**0.406**	**0.451**	**0.687**	**0.503**	**0.411**
Calcium	7440-70-2	mg/kg				--	**7870**	**5880**	**6080**	**6400**	**6000**	**5850**
Chromium	7440-47-3	mg/kg				--	**131**	**64.3**	**51.4**	**46.4**	**19.4**	**21.7**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**131**	**64.2**	**44.7**	**46**	**18.4**	**21.7**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**7.85**	**8.09**	**8.1**	**5.45**	**6.02**	**8.4**
Copper	7440-50-8	mg/kg	313	313	3100	--	**220**	**32.4**	**52**	**33.1**	**21**	**22.5**
Iron	7439-89-6	mg/kg	55000		55000	--	**18200**	**19100**	**20000**	**10700**	**12300**	**16000**
Lead	7439-92-1	mg/kg	400	400	400	--	**98.3**	**24.4**	**20.4**	**37.8**	**37**	**20.8**
Magnesium	7439-95-4	mg/kg				--	**3500**	**5180**	**5140**	**2680**	**3540**	**4590**
Manganese	7439-96-5	mg/kg	1800		1800	--	**299**	**310**	**398**	**239**	**253**	**401**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**409**	**99.5**	**100**	**84.3**	**29.5**	**32.8**
Potassium	7440-09-7	mg/kg				--	**1250**	**1410**	**1500**	**1070**	**887**	**1230**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.265 J**	**0.255 J**	0.1 U	**0.466**	**0.14 J**	**0.197 J**
Silver	7440-22-4	mg/kg	39	39	390	--	**0.411**	**0.121 J**	**0.131 J**	**0.137 J**	**0.105 J**	0.0977 U
Sodium	7440-23-5	mg/kg				--	**137**	**108**	**104**	**101**	**81.8**	**90.9**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.197 J**	**0.213 J**	**0.207 J**	**0.118 J**	**0.135 J**	**0.191 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**22.7**	**22.1**	**24**	**14.8**	**15.3**	**22**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**333**	**91.6**	**88.3**	**138**	**90.8**	**84.7**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	0.31 U	0.31 U	0.31 U	**0.45 J**	**0.95**	0.31 U
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.065**	**0.04**	**0.034**	**0.034**	**0.043**	**0.037**

Key:
Data Qualifiers

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J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

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2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS12-150806-24-11 8/6/2015 Field Sample	SS13-150806-06-11 8/6/2015 Field Sample	SS13-150806-12-11 8/6/2015 Field Sample	SS13-150806-18-11 8/6/2015 Field Sample	SS13-150806-24-11 8/6/2015 Field Sample	SS14-150807-06-11 8/7/2015 Field Sample
EPA 6020A												
Aluminum	7429-90-5	mg/kg	77000		77000	--	**8370**	**7060**	**6860**	**10100**	**9420**	**7630**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.197 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**6.86**	**5.5**	**5.54**	**5.71**	**7.75**	**6.9**
Barium	7440-39-3	mg/kg	548	548	15000	--	**144**	**240**	**199**	**167**	**201**	**146**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.653**	**0.422**	**0.485**	**0.72**	**0.848**	**0.547**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.451**	**0.605**	**0.487**	**0.261 J**	**0.605**	**0.521**
Calcium	7440-70-2	mg/kg				--	**6180**	**6410**	**5150**	**5730**	**7120**	**5360**
Chromium	7440-47-3	mg/kg				--	**17.4**	**13.7**	**13.3**	**15**	**18.5**	**17.5**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**17.4**	**13.7**	**13**	**14.7**	**18.2**	**16.5**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**7.89**	**5.77**	**5.96**	**7.85**	**10.1**	**8.7**
Copper	7440-50-8	mg/kg	313	313	3100	--	**20.3**	**47.8**	**30.4**	**22.7**	**30**	**62.5**
Iron	7439-89-6	mg/kg	55000		55000	--	**18400**	**11300**	**13500**	**18600**	**17300**	**14500**
Lead	7439-92-1	mg/kg	400	400	400	--	**23.1**	**47**	**33.5**	**18.8**	**39.3**	**53.1**
Magnesium	7439-95-4	mg/kg				--	**4620**	**2520**	**3270**	**4830**	**4400**	**3560**
Manganese	7439-96-5	mg/kg	1800		1800	--	**329**	**254**	**225**	**339**	**393**	**525**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**26.3**	**26**	**19.6**	**22.3**	**27.5**	**35.7**
Potassium	7440-09-7	mg/kg				--	**1320**	**1010**	**1090**	**1140**	**1490**	**1360**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.218 J**	**0.24 J**	**0.269 J**	**0.365 J**	**0.423**	**0.415**
Silver	7440-22-4	mg/kg	39	39	390	--	0.0984 U	**0.198 J**	**0.14 J**	0.1 U	**0.119 J**	**0.107 J**
Sodium	7440-23-5	mg/kg				--	**90.1**	**66.1**	**65.8**	**80.9**	**100**	**80.8**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.181 J**	**0.125 J**	**0.144 J**	**0.196 J**	**0.26 J**	**0.166 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**23**	**14**	**17.1**	**19.6**	**29.2**	**20.5**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**92.5**	**146**	**124**	**73.9**	**157**	**136**
EPA 7196A												
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	0.31 U	0.31 U	0.31 U	**0.35 J**	**0.35 J**	**1.05**
EPA 7471B												
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.034**	**0.051**	**0.055**	**0.035**	**0.057**	**0.048**

Key:
Data Qualifiers

U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters. An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation limit for the analyte being elevated.

J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

Footnotes:

1. Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.
2. U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).
3. Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment F - Sample Results Table
Gretna Plating and Polishing
Gretna, Jefferson Parish, Louisiana

Analyte	CAS.NO	Units	PCL	LA RECAP Residential[1]	EPA Residential RSL[2]	Sample ID[3] Date Type	SS14-150807-12-11 8/7/2015 Field Sample	SS14-150807-18-11 8/7/2015 Field Sample	SS14-150807-24-11 8/7/2015 Field Sample
EPA 6020A									
Aluminum	7429-90-5	mg/kg	77000		77000	--	**9820**	**9690**	**10600**
Antimony	7440-36-0	mg/kg	3	3	31	--	0.197 U	0.2 U	0.2 U
Arsenic	7440-38-2	mg/kg	0.68	12	0.68	--	**6.45**	**6.66**	**7.83**
Barium	7440-39-3	mg/kg	548	548	15000	--	**172**	**173**	**322**
Beryllium	7440-41-7	mg/kg	16	16	160	--	**0.732**	**0.731**	**0.794**
Cadmium	7440-43-9	mg/kg	4	4	71	--	**0.763**	**0.412**	**0.513**
Calcium	7440-70-2	mg/kg				--	**6290**	**6030**	**6040**
Chromium	7440-47-3	mg/kg				--	**16.8**	**14.2**	**16.3**
Chromium (III)	16065-83-1	mg/kg	120000		120000	--	**16.1**	**14.1**	**16**
Cobalt	7440-48-4	mg/kg	23	469	23	--	**8.6**	**11.8**	**10.8**
Copper	7440-50-8	mg/kg	313	313	3100	--	**61.3**	**24.5**	**22.4**
Iron	7439-89-6	mg/kg	55000		55000	--	**18700**	**19300**	**18500**
Lead	7439-92-1	mg/kg	400	400	400	--	**66.9**	**23.3**	**16.8**
Magnesium	7439-95-4	mg/kg				--	**4560**	**4810**	**4780**
Manganese	7439-96-5	mg/kg	1800		1800	--	**407**	**682**	**1370**
Nickel	7440-02-0	mg/kg	156	156	1500	--	**25**	**24.3**	**32**
Potassium	7440-09-7	mg/kg				--	**1420**	**1250**	**1510**
Selenium	7782-49-2	mg/kg	39	39	390	--	**0.332 J**	**0.277 J**	**0.254 J**
Silver	7440-22-4	mg/kg	39	39	390	--	**0.128 J**	0.1 U	0.1 U
Sodium	7440-23-5	mg/kg				--	**92.1**	**86.7**	**125**
Thallium	7440-28-0	mg/kg	0.5	0.5	0.78	--	**0.225 J**	**0.194 J**	**0.235 J**
Vanadium	7440-62-2	mg/kg	55	55	390	--	**25**	**22**	**24.2**
Zinc	7440-66-6	mg/kg	2346	2346	23000	--	**271**	**121**	**73.5**
EPA 7196A									
Chromium VI	18540-29-9	mg/kg	0.3		0.3	--	**0.75**	0.31 U	**0.35 J**
EPA 7471B									
Mercury	7439-97-6	mg/kg	9.4		9.4	--	**0.059**	**0.037**	**0.028**

Key:
Data Qualifiers

U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation or detection limit, which has been adjusted for sample weight/sample volume, extraction volume, percent solids, sample dilution or other analysis specific parameters. An additional qualifier, "B", may be appended to indicate that while the analyte was detected in the sample, the presence of the analyte may be attributable to blank contamination and the analyte is therefore considered undetected with the sample detection or quantitation

J The analyte was analyzed for, but the associated numerical value may not be consistent with the amount actually present in the environmental sample or may not be consistent with the sample detection or quantitation limit. The value is an estimated quantity. The data should be seriously considered for decision-making and are usable for many purposes. An additional qualifier will be appended to the "J" qualifier that indicates the bias in the reported results: L - Low bias; H - High bias; K - Unknown bias; and Q - The reported concentration is less than the sample quantitation limit for the specific analyte in the sample. The L and H qualifier will only be employed when a single qualifi¬cation is required. When more than one quality control parame¬ter affects the analytical result and a conflict results in assigning a bias, the result will be flagged JK.

Footnotes:

1 Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) Screening Option - Soil Screening Standard for non-industrial usage.

2 U.S. Environmental Protection Agency (EPA) Region 6 Regional Screening Levels (RSL) for residential usage soil using target hazard quotients (THQ) of 1.0 (June 2015).

3 Sample ID nomenclature - SG## (soil grid number) - CO (composite sample) - N (normal sample type) - ## [depth of sample interval - 6 = 0-6" below ground surface (bgs), 12 = 6-12" bgs, and 24 = 12-24" bgs]. Example SG13-CO-N-6 is the sample ID for a normal composite soil sample collected from the 0 to 6" bgs sample interval within grid 13.

Highlighted cells denote sample result exceeded one or more corresponding screening standard and/or level.

BOLD Bolded Values denote sample result above the detection limit.

Attachment I

Pollution Reports

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Gretna Plating and Polishing - Removal Polrep
Initial Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #1**
Initial
Gretna Plating and Polishing

Gretna, LA
Latitude: 29.9321865 Longitude: -90.0477758

To: Bryan Riche, LDEQ
Ronnie Crossland, USEPA R6 Superfund Division
Reggie Cheatham, OEM

From: Eric Delgado, OSC
Date: 8/5/2015
Reporting Period:

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/3/2015	**Start Date:**	8/4/2015
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

On 03 August 2015, at approximately 0900, Gretna Plating and Polishing Company experienced a fire at its facility in Gretna, Louisiana. The fire department responded and extinguished the fire at approximately 1200. The owner of the facility confirmed that an unknown amount of chromium and nickel plating solutions may have been lost during the fire. Due to the large amount of fire fighting water used to extinguish the fire, an unknown amount of potentially contaminated water was released on property surrounding the facility as well to a nearby drainage ditch located in front of the building. The fire department used sandbags to berm off the drainage ditches to prevent any further impact into neighboring residential

properties. Representatives from the Louisiana Department of Environmental Quality (LDEQ) contacted the US EPA requesting assistance with an electroplating facility, Gretna Plating and Polishing (GPP), which was partially destroyed in a fire.

The facility is operated by RP and located at 725 Carricox St, Gretna, Jefferson Parish, Louisiana.

GPP electroplating consisted mainly of decorative chrome and nickel plating. Based on communications with the owner, GPP conducted the following operations as part of their electroplating process:

- Stripping items of dirt, oil, grease, and scale in muriatic acid
- Grinding and buffing items smooth prior to and during plating
- Pretreatment of items using sodium hydroxide and sulfuric acid
- Nickel plating using nickel sulfate
- Chrome plating using chromic acid
- Electroplating wastewater treatment
- Generation and storage of hazardous waste

The site features include:

- The GPP operational area
- An area of undeveloped land

The GPP operational area encompasses an area approximately 0.25 acres and includes a 4,000 square feet (sqft) building and an adjacent 504 sqft building. The property's east side is covered by pavement and the west side of the property as undeveloped land. GPP utilized the building for its operations and it consists of a prefabricated metal industrial manufacturing. The adjacent building is mainly used for storage and consists of a wooden barn type building. The main building is 40'x50'x12' with a second floor loft designated for storage. The paved area contains two immovable vehicles and various debris from the Gretna Fire Department's operations in controlling the fire.

1.1.2.1 Location

The site is located at 725 Carricox St., Gretna, Jefferson Parish, Louisiana within a residential area. The approximate center of the site is Latitude 29.932136˚ North and Longitude –90.047861˚ West.

1.1.2.2 Description of Threat

The site poses an imminent threat to public health and the environment, which is associated with GPP electroplating operations. The threats include:

- The site is unsecured
- Portions of the facility are in poor condition due to the fire damage, where the outer walls were removed by the fire department, and doors were broken in or removed, which allows storm water to enter the facility and provides visually unrestricted public access
- The facility building houses numerous containers in good to failing conditions, as well as electroplating vats that contain hazardous substances, contaminates, and/or pollutants

The site's contaminants of concern are, but not limited to, heavy metals, bases, oxidizers, and other constituents associated with the electroplating process.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The assessment identified a release, as well as threat of release of hazardous substances, pollutants or contaminates at the GPP site as defined in Section 101(14) of CERCLA, 42 U.S.C. §9601(14) and 40 C.F.R. §302.4.

During the preliminary assessment the site was found to be unsecure and contain:

- The GPP facility building in fair to poor condition; structural damage to the roof and walls caused by the fire and facility operations
- Accumulated waste in numerous containers (drums, buckets, and jugs) in good to failing condition, plating vats and sumps, as well as on the floor and ground. Based on container labeling and

discussions with the RP the accumulated waste likely includes hazardous waste such as strong acids, strong bases, oxidizers, flammables, and toxics

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 3 August 2015, EPA OSC Delgado conducted a preliminary assessment of the site along with a USCG representative, a Louisiana Department of Environmental Quality (LDEQ) representative, a Louisiana State Police (LSP) representative, and Jefferson Parish Fire Department HAZMAT. Following the assessment, EPA OSC Delgado activated and utilized the Superfund Technical Assistance Response Team (START3) to conduct a removal site evaluation. The EPA team conducted a visual site assessment including air monitoring inside the structure with a MultiRAE 5 gas meter and Chromatic Acid Draeger tubes. No detectable levels of airborne hazards were found. Fourteen vats of varying volumes and indiscernible contents were found in fair to poor condition. A perimeter site walk was conducted where areas on GPP property as well as adjacent properties were found to have been impacted by the fire suppression water used to put out the fire. These areas were sketched and plotted on a map. Additionally a survey of adjacent properties with potential impacts were noted and access agreements will be utilized as needed.

On 5 August 2015, the EPA OSC activated and utilized the Emergency Rapid Response Services (ERRS) contractors. The EPA team conducted further assessments of the adjacent properties and determined the potentially impacted areas were on site and to adjacent properties towards the north. The residence to the north, appears to have a large section of potentially impacted area. Grids were set up and 14 sample locations were identified. ERRS arrived on site and began staging drums and totes to transfer the contaminates from the vats for holding until a determination is made that they are either hazardous waste materials or product with value to the RP. ERRS was also tasked with securing the building's openings to prevent unauthorized access and further contamination to the environment. All electrochemical plating solutions (nickel/chromium) have been secured into drums and totes.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

Sample collection within the site boundary, right of way, and adjacent property. ERRS to secure the site from unauthorized access.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

LDEQ
LSP
City of Gretna

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Gretna Plating and Polishing - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #2**
Progress
Gretna Plating and Polishing

Gretna, LA
Latitude: 29.9321865 Longitude: -90.0477758

To: Bryan Riche, LDEQ
Ronnie Crossland, USEPA R6 Superfund Division
Reggie Cheatham, OEM

From: Eric Delgado, OSC
Date: 8/6/2015
Reporting Period: 8/5/2015 thru 8/6/2015

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/3/2015	**Start Date:**	8/4/2015
Demob Date:		**Completion Date:**	
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

On 03 August 2015, at approximately 0900, Gretna Plating and Polishing Company experienced a fire at its facility in Gretna, Louisiana. The fire department responded and extinguished the fire at approximately 1200. The owner of the facility confirmed that an unknown amount of chromium and nickel plating solutions may have been lost during the fire. Due to the large amount of fire fighting water used to extinguish the fire, an unknown amount of potentially contaminated water was released on property surrounding the facility as well to a nearby drainage ditch located in front of the building. The fire department used sandbags to berm off the drainage ditches to prevent any further impact into neighboring residential properties. Representatives from the Louisiana Department of Environmental Quality (LDEQ) contacted the

US EPA requesting assistance with an electroplating facility, Gretna Plating and Polishing (GPP), which was partially destroyed in a fire.

The facility is operated by RP and located at 725 Carricox St, Gretna, Jefferson Parish, Louisiana.

GPP electroplating consisted mainly of decorative chrome and nickel plating. Based on communications with the owner, GPP conducted the following operations as part of their electroplating process:

- Stripping items of dirt, oil, grease, and scale in muriatic acid
- Grinding and buffing items smooth prior to and during plating
- Pretreatment of items using sodium hydroxide and sulfuric acid
- Nickel plating using nickel sulfate
- Chrome plating using chromic acid
- Electroplating wastewater treatment
- Generation and storage of hazardous waste

The site features include:

- The GPP operational area
- An area of undeveloped land

The GPP operational area encompasses an area approximately 0.25 acres and includes a 4,000 square feet (sqft) building and an adjacent 504 sqft building. The property's east side is covered by pavement and the west side of the property as undeveloped land. GPP utilized the building for its operations and it consists of a prefabricated metal industrial manufacturing. The adjacent building is mainly used for storage and consists of a wooden barn type building. The main building is 40'x50'x12' with a second floor loft designated for storage. The paved area contains two immovable vehicles and various debris from the Gretna Fire Department's operations in controlling the fire.

1.1.2.1 Location

The site is located at 725 Carricox St., Gretna, Jefferson Parish, Louisiana within a residential area. The approximate center of the site is Latitude 29.932136˚ North and Longitude –90.047861˚ West.

1.1.2.2 Description of Threat

The site poses an imminent threat to public health and the environment, which is associated with GPP electroplating operations. The threats include:

- The site is unsecured
- Portions of the facility are in poor condition due to the fire damage, where the outer walls were removed by the fire department, and doors were broken in or removed, which allows storm water to enter the facility and provides visually unrestricted public access
- The facility building houses numerous containers in good to failing conditions, as well as electroplating vats that contain hazardous substances, contaminates, and/or pollutants

The site's contaminants of concern are, but not limited to, heavy metals, bases, oxidizers, and other constituents associated with the electroplating process.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The assessment identified a release, as well as threat of release of hazardous substances, pollutants or contaminates at the GPP site as defined in Section 101(14) of CERCLA, 42 U.S.C. §9601(14) and 40 C.F.R. §302.4.

During the preliminary assessment the site was found to be unsecure and contain:

- The GPP facility building in fair to poor condition; structural damage to the roof and walls caused by the fire and facility operations
- Accumulated waste in numerous containers (drums, buckets, and jugs) in good to failing condition, plating vats and sumps, as well as on the floor and ground. Based on container labeling and

discussions with the RP the accumulated waste likely includes hazardous waste such as strong acids, strong bases, oxidizers, flammables, and toxics

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 3 August 2015, EPA OSC Delgado conducted a preliminary assessment of the site along with a USCG representative, a Louisiana Department of Environmental Quality (LDEQ) representative, a Louisiana State Police (LSP) representative, and Jefferson Parish Fire Department HAZMAT. Following the assessment, EPA OSC Delgado activated and utilized the Superfund Technical Assistance Response Team (START3) to conduct a removal site evaluation. The EPA team conducted a visual site assessment including air monitoring inside the structure with a MultiRAE 5 gas meter and Chromatic Acid Draeger tubes. No detectable levels of airborne hazards were found. Fourteen vats of varying volumes and indiscernible contents were found in fair to poor condition. A perimeter site walk was conducted where areas on GPP property as well as adjacent properties were found to have been impacted by the fire suppression water used to put out the fire. These areas were sketched and plotted on a map. Additionally a survey of adjacent properties with potential impacts were noted and access agreements will be utilized as needed.

On 5 August 2015, the EPA OSC activated and utilized the Emergency Rapid Response Services (ERRS) contractors. The EPA team conducted further assessments of the adjacent properties and determined the potentially impacted areas were on site and to adjacent properties towards the north. The residence to the north, appears to have a large section of potentially impacted area. Grids were set up and 14 sample locations were identified. ERRS arrived on site and began staging drums and totes to transfer the contaminates from the vats for holding until a determination is made that they are either hazardous waste materials or product with value to the RP. ERRS was also tasked with securing the building's openings to prevent unauthorized access and further contamination to the environment. All electrochemical plating solutions (nickel/chromium) have been secured into drums and totes.

On 6 August 2015, the EPA ERRS contractor completed the transfer of liquid material within 4 vats into new stable containers. Approximately 1000 gallons of liquid was transferred and stored in 1-250 gallon poly tote and 13-55 gallon drums. The liquid material was removed from vats that were historically identified by the owner/operator as containing nickel and/or chrome plating solutions. The ERRS contractor also began construction activities to cover/secure sections of the building that were open to the environment as a result of the fire. The EPA Team also initiated soil sampling activities today to assess areas that received runoff of water used during the suppression of the fire. The impacted areas surrounding the facility were gridded off and 5-point composite samples were collected to a depth of 2 feet from each grid. Composite samples within each grid were collected from four intervals (0-6", 6-12", 12-18" & 18-24").

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

Continue soil sample collection within the site boundary, right of way, and adjacent property. ERRS to complete securing the site from unauthorized access.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

LDEQ
City of Gretna

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Gretna Plating and Polishing - Removal Polrep
Final Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #3**
Final
Gretna Plating and Polishing

Gretna, LA
Latitude: 29.9321865 Longitude: -90.0477758

To: Bryan Riche, LDEQ
Ronnie Crossland, USEPA R6 Superfund Division
Reggie Cheatham, OEM

From: Eric Delgado, OSC
Date: 8/10/2015
Reporting Period: 8/712015 thru 8/9/2015

1. Introduction

1.1 Background

Site Number:		**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Emergency
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/3/2015	**Start Date:**	8/4/2015
Demob Date:	8/9/2015	**Completion Date:**	8/9/2015
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

On 03 August 2015, at approximately 0900, Gretna Plating and Polishing Company experienced a fire at its facility in Gretna, Louisiana. The fire department responded and extinguished the fire at approximately 1200. The owner of the facility confirmed that an unknown amount of chromium and nickel plating solutions may have been lost during the fire. Due to the large amount of fire fighting water used to extinguish the fire, an unknown amount of potentially contaminated water was released on property surrounding the facility as well to a nearby drainage ditch located in front of the building. The fire department used sandbags to berm off the drainage ditches to prevent any further impact into neighboring residential

properties. Representatives from the Louisiana Department of Environmental Quality (LDEQ) contacted the US EPA requesting assistance with an electroplating facility, Gretna Plating and Polishing (GPP), which was partially destroyed in a fire.

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- Stripping items of dirt, oil, grease, and scale in muriatic acid
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- Nickel plating using nickel sulfate
- Chrome plating using chromic acid
- Electroplating wastewater treatment
- Generation and storage of hazardous waste

The site features include:

- The GPP operational area
- An area of undeveloped land

The GPP operational area encompasses an area approximately 0.25 acres and includes a 4,000 square feet (sqft) building and an adjacent 504 sqft building. The property's east side is covered by pavement and the west side of the property as undeveloped land. GPP utilized the building for its operations and it consists of a prefabricated metal industrial manufacturing. The adjacent building is mainly used for storage and consists of a wooden barn type building. The main building is 40'x50'x12' with a second floor loft designated for storage. The paved area contains two immovable vehicles and various debris from the Gretna Fire Department's operations in controlling the fire.

1.1.2.1 Location

The site is located at 725 Carricox St., Gretna, Jefferson Parish, Louisiana within a residential area. The approximate center of the site is Latitude 29.932136˚ North and Longitude –90.047861˚ West.

1.1.2.2 Description of Threat

The site poses an imminent threat to public health and the environment, which is associated with GPP electroplating operations. The threats include:

- The site is unsecured
- Portions of the facility are in poor condition due to the fire damage, where the outer walls were removed by the fire department, and doors were broken in or removed, which allows storm water to enter the facility and provides visually unrestricted public access
- The facility building houses numerous containers in good to failing conditions, as well as electroplating vats that contain hazardous substances, contaminates, and/or pollutants

The site's contaminants of concern are, but not limited to, heavy metals, bases, oxidizers, and other constituents associated with the electroplating process.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The assessment identified a release, as well as threat of release of hazardous substances, pollutants or contaminates at the GPP site as defined in Section 101(14) of CERCLA, 42 U.S.C. §9601(14) and 40 C.F.R. §302.4.

During the preliminary assessment the site was found to be unsecure and contain:

- The GPP facility building in fair to poor condition; structural damage to the roof and walls caused by the fire and facility operations
- Accumulated waste in numerous containers (drums, buckets, and jugs) in good to failing condition,

plating vats and sumps, as well as on the floor and ground. Based on container labeling and discussions with the RP the accumulated waste likely includes hazardous waste such as strong acids, strong bases, oxidizers, flammables, and toxics

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 3 August 2015, EPA OSC Delgado conducted a preliminary assessment of the site along with a USCG representative, a Louisiana Department of Environmental Quality (LDEQ) representative, a Louisiana State Police (LSP) representative, and Jefferson Parish Fire Department HAZMAT. Following the assessment, EPA OSC Delgado activated and utilized the Superfund Technical Assistance Response Team (START3) to conduct a removal site evaluation. The EPA team conducted a visual site assessment including air monitoring inside the structure with a MultiRAE 5 gas meter and Chromatic Acid Draeger tubes. No detectable levels of airborne hazards were found. Fourteen vats of varying volumes and indiscernible contents were found in fair to poor condition. A perimeter site walk was conducted where areas on GPP property as well as adjacent properties were found to have been impacted by the fire suppression water used to put out the fire. These areas were sketched and plotted on a map. Additionally a survey of adjacent properties with potential impacts were noted and access agreements will be utilized as needed.

On 5 August 2015, the EPA OSC activated and utilized the Emergency Rapid Response Services (ERRS) contractors. The EPA team conducted further assessments of the adjacent properties and determined the potentially impacted areas were on site and to adjacent properties towards the north. The residence to the north, appears to have a large section of potentially impacted area. Grids were set up and 14 sample locations were identified. ERRS arrived on site and began staging drums and totes to transfer the contaminates from the vats for holding until a determination is made that they are either hazardous waste materials or product with value to the RP. ERRS was also tasked with securing the building's openings to prevent unauthorized access and further contamination to the environment. All electrochemical plating solutions (nickel/chromium) have been secured into drums and totes.

On 6 August 2015, the EPA ERRS contractor completed the transfer of liquid material within 4 vats into new stable containers. Approximately 1000 gallons of liquid was transferred and stored in 1-250 gallon poly tote and 13-55 gallon drums. The liquid material was removed from vats that were historically identified by the owner/operator as containing nickel and/or chrome plating solutions. The ERRS contractor also began construction activities to cover/secure sections of the building that were open to the environment as a result of the fire. The EPA Team also initiated soil sampling activities today to assess areas that received runoff of water used during the suppression of the fire. The impacted areas surrounding the facility were gridded off and 5-point composite samples were collected to a depth of 2 feet from each grid. Composite samples within each grid were collected from four intervals (0-6", 6-12", 12-18" & 18-24").

On 7 August 2015, The EPA team completed composite soil sampling activities, collecting a total of 56 samples. Four interval samples were collected from each of 14 designated site grid areas. Samples were prepared and submitted to Gulf Coast Analytical in Baton Rouge, Louisiana on 8 August, 2015 for TAL Metals, Hexavalent Chromium and pH analysis. On 7 August, 2015, the EPA ERRS contractor completed construction activities to cover/secure open sections for the building. ERRS also repaired fencing along the northern property boundary. In addition, access areas adjacent to the rear and side doors were cleared to provide easier access for site work.

On 8 and 9 August, 2015, the ERRS contractor continued general cleanup activities of the facility. Free liquids remaining on the floor of the facility were vacuumed up and placed in a 55-gal drum. A berm was also constructed along the north side of the building adjacent to the interior vat area, as a precautionary measure to prevent potential future runoff. On 9 August 2015, the ERRS contractor constructed an 8-ft security fence along the front (east side) of the facility to restrict public access. Previous fencing around the north, south and west remained intact. The EPA Team demobilized from the site on 9 August 2015

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*

2.2 Planning Section

2.2.1 Anticipated Activities

Continue soil sample collection within the site boundary, right of way, and adjacent property. ERRS to complete securing the site from unauthorized access.

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

LDEQ
City of Gretna

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.