REMOVAL REPORT

FOR

LANE PLATING REMOVAL ACTION
5322 BONNIE VIEW ROAD
DALLAS, DALLAS COUNTY, TEXAS

Prepared for

U.S. Environmental Protection Agency Region 6
Will LaBombard, Project Officer
1445 Ross Avenue
Dallas, Texas 75202

Contract No. EP-W-06-042
Technical Direction Document No. 5/WESTON-042-16-010
WESTON Work Order No. 20406.012.005.1039.01
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EPA OSC Mark Hayes
START-3 PTL José L. Ojeda

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EXECUTIVE SUMMARY

On 10 March 2016, the Region 6 U.S. Environmental Protection Agency (EPA) Emergency Management Branch (EMB) under Contract No. EP-W-06-042 tasked Weston Solutions, Inc. (WESTON®), the EPA Region 6 Superfund Technical Assessment Response Team (START-3) contractor, to perform a Removal Assessment (RA) at the Lane Plating Works, Inc. site located at 5322 Bonnie View Road in Dallas, Dallas County, Texas (Technical Direction Document [TDD] No. 5/WESTON-042-16-004). The RA was initiated in response to a request by the Texas Commission on Environmental Quality (TCEQ) to EPA Region 6 and included soil and waste sampling. START-3 initial RA activities were completed between 05 and 13 April 2016. Based on the analytical results from waste samples collected by START-3 during the April 2016 sampling event, EPA-EMB requested that removal actions be conducted at the Lane Plating facility (Lane Plating Removal Action). Additional RA activities were also requested by EPA-EMB through TDD No. 5/WESTON-042-16-008. Lane Plating Removal Assessment Phase II activities were completed between 19 and 23 September 2016. RA Phase II activities included further delineation of on-site contaminates of concern and were completed by collecting additional soil samples for analytical testing. On 22 August 2016, Region 6 EPA-EMB tasked START-3 under TDD No. 5/WESTON-042-16-010 to provide technical support, contractor oversight, and documentation of removal activities. Emergency and Rapid Response Services (ERRS) contractors completed waste characterization activities in October 2016; associated waste transport and disposal activities were completed in November 2016. During the removal action, EPA characterized, transported, and disposed of on-site accumulated and containerized waste in the following waste streams listed below. The associated volume per waste stream is also provided.

- UN1755, Waste Chromic Acid Solutions – 121,500 lb
- UN3077, Waste Solid N.O.S. (contaminated soil) – 17,750 lb
- UN3082, Waste Liquid N.O.S. (Cadmium/Chromium) – 5,810 lb
- UN3262, Waste Corrosive Solid, Basic (Sodium Hydroxide /Cadmium) – 1,450lb
- UN3260, Waste Corrosive Solid, Acidic, N.O.S. (Sulfuric Acid/Cadmium, Chromic Acid) – 3,300 lb
- UN3264, Waste Corrosive Liquid, Acidic (Hydrochloric Acid, Sulfuric Acid) – 2,000 lb
- UN1755, Waste Chromic Acid Solution – 18,200 lb

- UN1830, Waste Sulfuric Acid – 1,765 lb
- UN3506, Waste Mercury – 9 lb
- UN1001, Acetylene, Dissolved – 150 lb
- UN1993, Waste Flammable Liquids, N.O.S. (Methyl Ethyl Ketone) – 3,867 lb
- UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide) – 11,816 lb
- Non-RCRA hazardous Waste Solid (Oil Filters) – 61 lb
- Non-Hazardous Liquid (Latex Paint) – 190 lb

On 18 November 2016, the EPA Team completed field activities and demobilized from the site.

This Removal Action Report was prepared to describe the technical scope of work that was completed as part of the TDD No. 5/WESTON-042-16-010. The EPA On-scene Coordinator (OSC) was Mark Hayes. The EPA Team Project Team Leader (PTL) was José L. Ojeda.

☐ 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 10 March 2016, the U.S. Environmental Protection Agency (EPA) Region 6 Emergency Management Branch (EMB) under Contract No. EP-W-06-042 tasked Weston Solutions, Inc. (WESTON®), the EPA Region 6 Superfund Technical Assessment Response Team (START-3) contractor, to perform a Removal Assessment (RA) at the Lane Plating Works, Inc. (Lane Plating) site located at 5322 Bonnie View Road in Dallas, Dallas County, Texas (Technical Direction Document [TDD] No. 5/WESTON-042-16-004). The RA was initiated in response to a request by the Texas Commission on Environmental Quality (TCEQ) to EPA Region 6 and included soil and waste sampling. Initial RA activities were completed between 05 and 13 April 2016. Based on the analytical results from waste samples collected by START-3 during the April 2016 sampling event, EPA-EMB requested that removal actions be conducted at the Lane Plating facility. Additional RA activities were also requested by EPA-EMB through TDD No. 5/WESTON-042-16-008. Lane Plating Removal Assessment Phase II activities were completed between 19 and 23 September 2016. RA Phase II activities included further delineation of on-site contaminates of concern and were completed by collecting additional soil samples for analytical testing.

On 22 August 2016, Weston Solutions, Inc. (WESTON®), the EPA Region 6 START-3 contractor, was tasked by the Region 6 EPA-EMB under Contract Number EP-W-06-042 and TDD No. 5/WESTON-042-16-010 (Appendix E) to provide technical assistance, contractor oversight, and documentation of on-site activities during the removal action at the Lane Plating site. A Site Location Map is provided as Figure 1-1.

This removal action report describes the technical scope of work of removal activities at the Lane Plating facility conducted by Environmental Restoration, the Emergency and Rapid Response Services (ERRS) contractors. The EPA On-scene Coordinator (OSC) was Mark Hayes. The EPA Team Project Team Leader (PTL) was José L. Ojeda. The EPA Identification (ID) number for the site is TXN000605240.

1.1 PROJECT OBJECTIVES

The objective of this removal action was to eliminate the imminent threat and substantial

endangerment to public health and welfare and the environment posed by on-site hazardous substances, pollutants, and contaminants at the Lane Plating facility. EPA accomplished the project objective through removal and off-site disposal of on-site accumulated, containerized waste.

The objectives were achieved by monitoring removal activities, coordinating with EPA OSC Hayes, and providing written and photographic documentation of site removal activities.

1.2 SCOPE OF WORK

The Removal Action scope of work included the following activities:

- Containerized on-site waste materials were segregated into compatible waste streams; bulked, as applicable; transferred or over-packed into appropriate shipping containers; and transported off-site for treatment and/or disposal.
- Conducted indoor air monitoring during removal activities.
- Provided oversight and documentation of removal activities.
- Coordinated with EPA OSC and ERRS contractors.

1.3 REPORT FORMAT

This report has been organized as follows:

Section 1 - Introduction
Section 2 - Site Background
Section 3 - Actions Taken
Section 4 – Summary

Additional information is provided in the appendices following the text of this report. The appendices are as follows:

Appendix A Site Logbook
Appendix B Digital Photographs
Appendix C Waste Manifests
Appendix D Pollution Reports
Appendix E TDD No. 5/WESTON-042-16-010

2 SITE BACKGROUND

Information regarding site location, site description, potential sources of hazardous material, operational and regulatory history, and summary of previous investigations is presented in the following subsections.

2.1 SITE LOCATION AND DESCRIPTION

The site is located at 5322 Bonnie View Road in Dallas, Dallas County, Texas, within a mixed commercial and residential area. The approximate center of the site is located at Latitude 32.6878557° North and Longitude 96.7692897° West. The site consists of a 15,452-square foot electroplating process building, a waste storage shed, a former wastewater treatment building, and miscellaneous tractor trailers. The site encompasses approximately 4.655 acres according to the Dallas County Central Appraisal District. A relative of the owner resides in a home located adjacent to the north side of the site; a residential area is located 0.25-mile northwest; to the east approximately 7 miles is H. Grady Spruce High School; and 0.3 mile to the south is Five Mile Creek that discharges into the Trinity River. A barbed-wire fence and locked chain-link fence surrounds the property, and the building is locked with the windows boarded up. There is no access to the site except by key at the locked gate. Site topography and surface water drainage appears to slope to the south-southeast. A Site Area Map is provided as Figure 2-1. A Site Property Map is provided as Figure 2-2.

Lane Plating Works, Inc. is an abandoned electroplating facility and contains electroplating wastes from operations that ended in 2015. The property is currently controlled by Stag Management, Inc., a court-appointed trustee. Typical electroplating process waste identified on-site includes acids, bases, flammables, oxidizers, cyanides, chromium-contaminated solids (sludge) and liquids, and Resource Conservation Recover Act (RCRA) non-hazardous solids and liquids.

2.2 POTENTIAL SOURCES OF HAZAROUS MATERIALS

Information concerning the known or potential hazardous substance source areas at the site are presented in the following section.

Based on the Texas Commission on Environmental Quality (TCEQ) investigation conducted on

04 November 2015 and on TCEQ sampling activities on 19 November 2015, former site activities that contributed to potential sources include the following:

- Stripping metal parts of dirt, oil, grease, and scale in acid.
- Grinding and buffing metal parts smooth prior to and during plating.
- Pretreatment of metal parts using sodium hydroxide and sulfuric acid.
- Copper plating using copper cyanide.
- Zinc plating aluminum using nitric acid and zinc cyanide.
- Nickel plating using nickel sulfate.
- Chrome plating using chromic acid.
- Electroplating wastewater treatment.
- Generation and storage of solid waste.

2.3 OPERATIONAL AND REGULATORY HISTORY

Lane Plating was in operation for over 50 years at the site as an electroplating facility, conducting primarily (60% to 70%) hard chromium plating and cadmium plating. Processes performed at the facility included chromate dips, chromic acid anodizing, hard chrome plating, cadmium plating, black oxide coating, electroless nickel plating, passivation, machining, and grinding. In addition to electroplating, the facility also operated a lead melting pot used to repair anodes used in the plating baths. The facility housed two chrome tanks, and according to TCEQ Air Compliance Section reports, the emission from the tanks was controlled by a mesh-pad scrubber and mist eliminator fume hood system. The last updated Notice of Registration (NOR), dated 18 January 2011, listed 10 hazardous wastes and 3 Class II Industrial Solid Wastes.

2.4 SUMMARY OF PREVIOUS INVESTIGATIONS

Information regarding previous on-site investigations conducted by state and federal regulatory agencies are summarized in this section.

In February 2010, the TCEQ Dallas/Fort Worth (Region 4) office conducted an unannounced investigation at the facility. Sixteen 55-gallon drums of hazardous plating waste were observed unlabeled and missing necessary identification and accumulation dates. A Notice of Violation (NOV) letter was transmitted to the facility on 24 February 2010 for alleged violations of *30 Texas*

Administrative Code (TAC) 35.69 for failure to properly label hazardous waste containers.

On 19 January 2011, the TCEQ conducted an Industrial and Hazardous Waste (IHW) Compliance Evaluation Investigation (CEI) at the facility. Based on observations made during the CEI, it was determined that soil sampling was necessary. As a result of the CEI, five alleged violations and one additional issue regarding the rules for IHW were documented and formal enforcement action was initiated.

A proposed Agreed Order was issued to the facility on 5 July 2011. This Agreed Order directed the facility to complete technical requirements, including immediately:

- Ceasing any additional unauthorized discharges
- Removing all discharged industrial solid waste, visibly impacted soils, and waste containers from the facility.
- Disposing of waste properly at an authorized facility.
- Developing and implementing procedures to ensure that all containers storing hazardous waste were removed within the allotted accumulation time limit and transported to a facility authorized to accept the waste.
- Submitting annual waste summaries for calendar years 2008 and 2009.
- Begin maintaining all records of all hazardous and industrial solid waste activities.
- Submitting an Affected Property Assessment Report (APAR).

On 16 September 2014, the TCEQ Enforcement Division requested the TCEQ Region 4 office to conduct an on-site investigation at Lane Plating to determine if the facility had complied with the Agreed Order.

On 23 March 2016, EPA, TCEQ, and START-3 conducted a preliminary reconnaissance to observe current site conditions and to discuss project objectives for the initial RA (TDD No. 5/WESTON-042-16-004). START-3 conducted air monitoring within the building for acid gas, volatile organic compounds (VOCs), and mercury vapors during the site visit. During the preliminary reconnaissance, soil and liquid waste sampling strategies were discussed between EPA and START-3.

Following the preliminary reconnaissance, EPA and START-3 developed a sampling strategy that included establishing a 50-foot by 50-foot sampling grid surrounding the footprint of the facility.

On 05 April 2016, START-3 mobilized to the site and established 50-foot by 50-foot grids around the exterior facility utilizing a Trimble Pro-XRT Global Positioning System (GPS) unit. The corner points of each grid were marked with pin flags and labeled.

START-3 conducted soil and liquid waste sampling activities from 12 through 13 April 2016. All sampling activities were completed in accordance with the START-3 Quality Assurance Sampling Plan. During field assessment activities, a total of 36 soil samples (30 composite samples and six grab samples) including duplicate samples were collected and analyzed to determine nature and extent of hazardous substances in soil. A review of the soil analytical results indicated that two prevalent hazardous substances, hexavalent chromium and lead, were detected at levels exceeding EPA Regional Screening Levels (RSLs) criteria (Industrial Soil [THQ = 1.0], May 2016). Four liquid waste samples (including three normal samples and one duplicate sample) were collected from totes located within the facility to confirm the presence of hazardous substances. The four liquid waste samples were identified as hazardous waste based on the characteristic of corrosivity and elevated total chromium results.

On 19 September 2016, the EPA Team returned to the site to conduct additional soil sampling (TDD No. 5/WESTON-042-16-008) to further characterize the property and to further determine the nature and extent of site-related hazardous constituents associated with electroplating waste (plating waste) in on-site soils.

From 20 through 23 September 2016, the EPA Team collected composite five-point soil samples from within approximately 76 grids, an additional 33 grids from the previous sampling event conducted in April 2016. Samples were collected at three depth intervals: 0 to 6 inches below ground surface (bgs), 6 to 12 inches bgs, and 12 to 18 inches bgs. Soil samples were submitted for analysis of metals and hexavalent chromium (Cr [VI]). A total 216 samples (192 normal and 20 duplicate) were collected during this sampling event. Samples collected at the 6 to 12 inch bgs interval were placed on hold pending analytical results from the 0 to 6 inch bgs and 12 to 18 inch bgs intervals.

3 ACTIONS TAKEN

During this Lane Plating Removal Action, EPA removed accumulated on-site waste identified during the removal assessment and transported it off-site for disposal. Containerized waste materials found within plating vats, drums, pails, and tote tanks were field tested for hazardous waste characteristics and compatibility, as needed; segregated into compatible waste streams; bulked, as applicable; transferred or over-packed into U.S. Department of Transportation (DOT) shippable containers; and transported off-site for treatment and/or disposal. Site soils identified during the Removal Assessment (TDD No. 5/WESTON-042-16-008) as containing elevated concentrations of hexavalent chromium and lead and/or mercury were not addressed during this removal action. Site soil previously excavated by the property owner at the direction of TCEQ was transported and disposed off-site as part of this removal action.

On 3 October 2016, the EPA Team mobilized to the site to begin waste characterization of liquid waste found in various totes, drums, and buckets within the facility, and to consolidate remaining liquid waste into appropriate containers. From 4 October through 18 October 2016, the EPA Team conducted the hazardous characterization identification of approximately 153 containers. Drums and containers were grouped by waste streams and compatibility for future transport and disposal at an authorized facility. In addition to consolidating waste streams, vats and sumps were pumped of their contents and transferred into compatible containers. Field tested waste stream inventory included the following:

- Cyanide (CN) Solution
  - 23 55-gallon drums
  - 1 275-gallon tote
- Cyanide (CN) Solids
  - 2 55-gallon drums
- Acid/Oxidizer (chromic acid)
  - 21 55-gallon drums
  - 39 275-gallon totes
  - 1 330-gallon tote
- Acid/Oxidizer sludge (chromic acid sludge and solids)
  - 22 55-gallon drum

  - 1 95-gallon overpack
  - 1 cubic-yard box (bricks from vat bottom)
- Sulfuric Acid
  - 2 55-gallon drums
  - 9 30-gallon drums
- Flammable Paint
  - 2 55-gallon drum loose pack
- Latex paint
  - 2 55-gallon drum loose pack
- Flammable Aerosol
  - 2 5-gallon pails
- Acid Solids
  - 2 55 gallon drums
- Acid Liquids
  - 4 55-gallon drums
- Neutral Liquids
  - 1 275-gallon tote
  - 9 55-gallon drums
- Neutral Solids
  - 2 cubic yard boxes
- Elemental Mercury
  - 1 5-gallon pail
- Waste Oil
  - 2 55-gallon steel drums
  - 1 330-gallon tote
- Waste Oil Filters
  - 1 55-gallon steel drum
- Flammable Liquids
  - 1 55-gallon steel drum
- Caustic Solids
  - 4 55-gallon drums
  - 1 cubic yard box

- Caustic Liquids
  - 12 55-gallon drums
  - 1 30-gallon drum (ammonia hydroxide)
- Soil
  - 12 cubic-yard bulk bags
  - 2 55-gallon drums

From 14 through 18 November 2016, the EPA Team returned to the site to coordinate and arrange for the transportation of on-site waste containers to an authorized facility for final disposal. Table 3-1 provides a summary of waste disposal. Each waste manifest is listed and the associated waste stream, disposal volume and designated disposal facility are documented.

Table 3-1
Summary of Waste Disposal

Date	Designated Facility	Manifest Tracking Number	Waste Description	Containers		Approximate Total Quantity (lb)
				No.	Type	
11/16/2016	Clean Harbors Deer Trail Landfill, Deer Trail, CO	9776314	UN1755, Waste Chromic Acid Solution	15	TP	43,000
11/17/2016	Clean Harbors Deer Trail Landfill, Deer Trail, CO	9776315	UN1755, Waste Chromic Acid Solution	14	TP	43,000
			UN1755, Waste Chromic Acid Solution	3	DF	1,500
		9776316	UN1755, Waste Chromic Acid Solution	11	TP	34,000
			UN3077, Waste Solid N.O.S. (contaminated soil)	5	BA	5,800
		9776313	UN3077, Waste Solid N.O.S. (contaminated soil)	7	BA	7,000
			UN3082, Waste Liquid N.O.S. (Cadmium/Chromium)	1	TP	3,000
			UN3077, Waste Solid N.O.S. (Chromium)	9	CF	1,350
			UN3077, Waste Solid N.O.S. (Contaminated Soil)	2	DF	600
			UN3262, Waste Corrosive Solid, Basic (Sodium Hydroxide)	1	CF	900
		9776307	UN3260, Waste Corrosive Solid, Acidic, N.O.S. (Sulfuric Acid/Cadmium)	2	DF	300
			UN3262, Waste Corrosive Solid, Basic, N.O.S. (Sodium Hydroxide/Cadmium)	4	DF	550
			UN3264, Waste Corrosive Liquid, Acidic (Hydrochloric Acid, Sulfuric Acid)	4	DF	2,000
			UN3082, Waste Liquid, N.O.S. (Cadmium/Chromium)	9	DF	2,400
			UN3082, Waste Liquid, N.O.S. (Cadmium/Chromium)	1	DF	410
			UN1755, Waste Chromic Acid Solution	18	DF	9,000
			UN1755, Waste Chromic Acid Solution	22	DF	8,800

Date	Designated Facility	Manifest Tracking Number	Waste Description	Containers		Approximate Total Quantity (lb)
				No.	Type	
11/17/2016	Clean Harbors Deer Trail Landfill, Deer Trail, CO	9776307	UN1755, Waste Chromic Acid Solution	1	DF	400
			UN1830, Waste Sulfuric Acid	9	DF	1,350
			UN1830, Waste Sulfuric Acid	2	DF	415
			Non-RCRA hazardous Waste Solid (Oil Filters)	1	DF	61
			UN3260 Waste Corrosive Solid, Acidic (Chromic Acid)	2	CF	3,000
	Veolia ES Technical Solution, Henderson, CO	9776310	UN3506, Waste Mercury	1	DF	9
11/18/2016	Clean Harbors La Porte, La Porte, TX	9776312	UN1001, Acetylene, Dissolved	1	CY	150
	Clean Harbors Environmental Services, Kimball, NE	9776308	UN1993, Waste Flammable Liquids, N.O.S. (Methyl Ethyl Ketone)	1	DM	67
			UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide)	12	DF	4,800
			UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide)	1	DF	116
			UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide)	23	DF	6,900
	Clean Harbors Spring Grove Resource Recovery, Cincinnati, OH	9776309	UN1993, Waste flammable Liquids, N.O.S. (Methyl Ethyl Ketone)	2	DM	850
			UN1993, Waste flammable Liquids, N.O.S. (Methyl Ethyl Ketone)	1	DM	2,950
	Clean Harbor Deer Trail Landfill, Deer Trail, CO	9776110	UN3077, Waste Solid, N.O.S. (Silver)	2	CF	3,000
	Twin Enviro Services Phantom Landfill, Penrose, CO	Non-Hazardous Waste Manifest	Non-Hazardous Liquid (Latex Paint)	2	DF	190
			Approximate Total Quantity (lb):			**187,868**

- BA Burlap, cloth, paper, or plastic bag
- TP Portable Tanks
- CF Fiber or plastic boxes, cartons, cases
- CY Cylinders
- DF Fiberboard or plastic drums, barrels, kegs
- DM Metal drums, barrels, kegs
- lb pound

3.1 AIR MONITORING RESULTS

The EPA Team utilized a THERMO Data Ram DR-4000 to conduct air monitoring for particulate matter during removal activities. Air monitoring equipment was utilized in active work areas and was programed to log particulate concentrations throughout the day. Readings were analyzed to determine average concentrations, peaks, and exceedances of particulates in the air at each sampling location. No readings above action levels were detected.

4 SUMMARY

From 4 October to 18 November 2016, EPA conducted and successfully completed a time-critical removal action at the Lane Plating Site. Removal Actions consisted of the removal and off-site disposal of accumulated, containerized on-site waste materials that comprised of hazardous substances, pollutants, or contaminants. From 4 October through 18 October 2016, the EPA team conducted the hazardous characterization identification of approximately 189 containers. Drums and containers were grouped by waste streams and compatibility for future transport and disposal at an authorized facility. From 14 through 18 November 2016, the EPA Team returned to the site to coordinate and arrange for the transportation of on-site waste containers to an authorized facility for final disposal. During the removal action, EPA characterized, transported, and disposed of on-site waste in the following waste streams and associated volumes.

- UN1755, Waste Chromic Acid Solutions – 121,500 lb
- UN3077, Waste Solid N.O.S. (contaminated soil) – 17,750 lb
- UN3082, Waste Liquid N.O.S. (Cadmium/Chromium) – 5,810 lb
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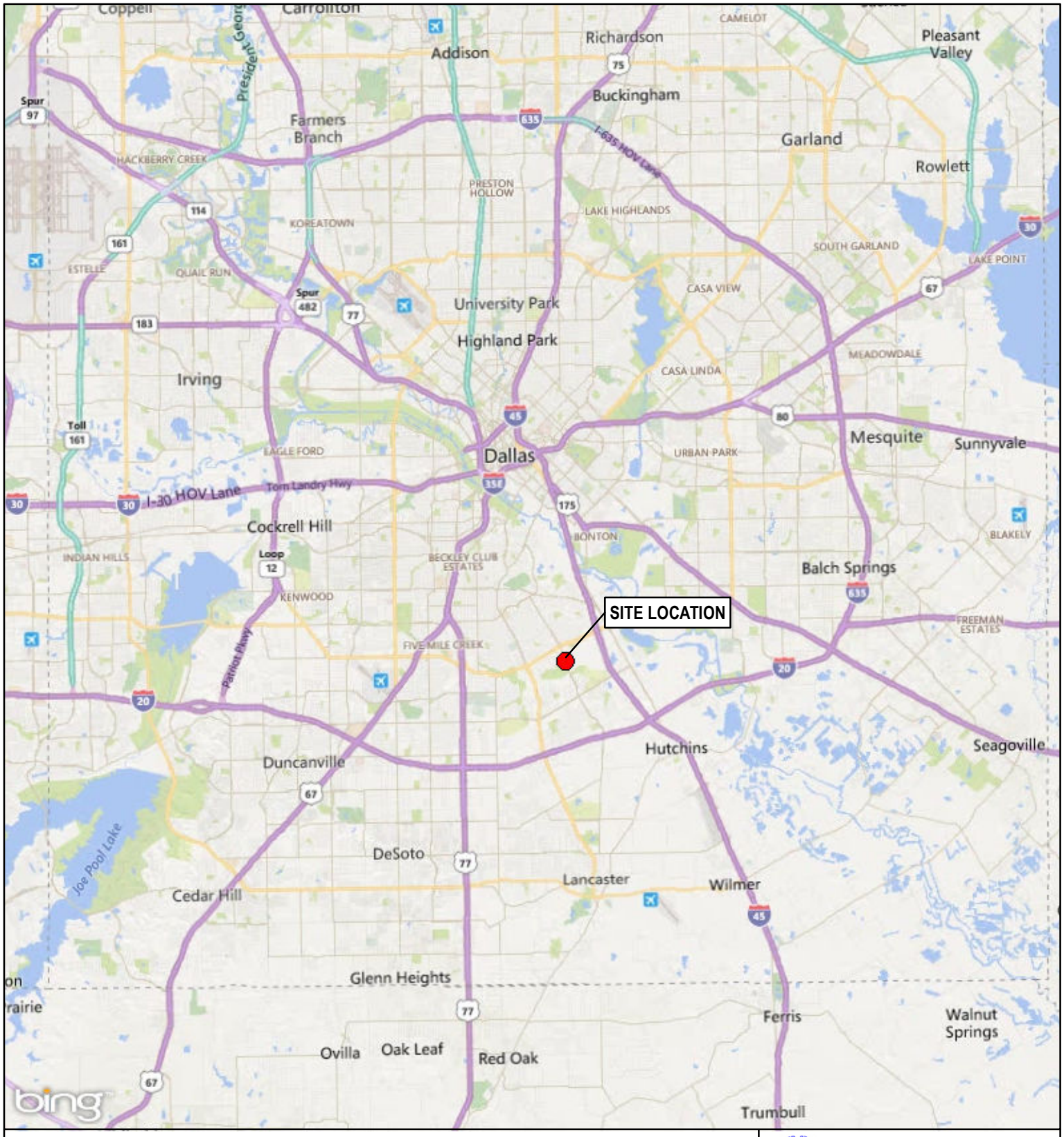
- Non-Hazardous Liquid (Latex Paint) – 190 lb

On 18 November 2016, the EPA Team completed field activities and demobilized from the site.



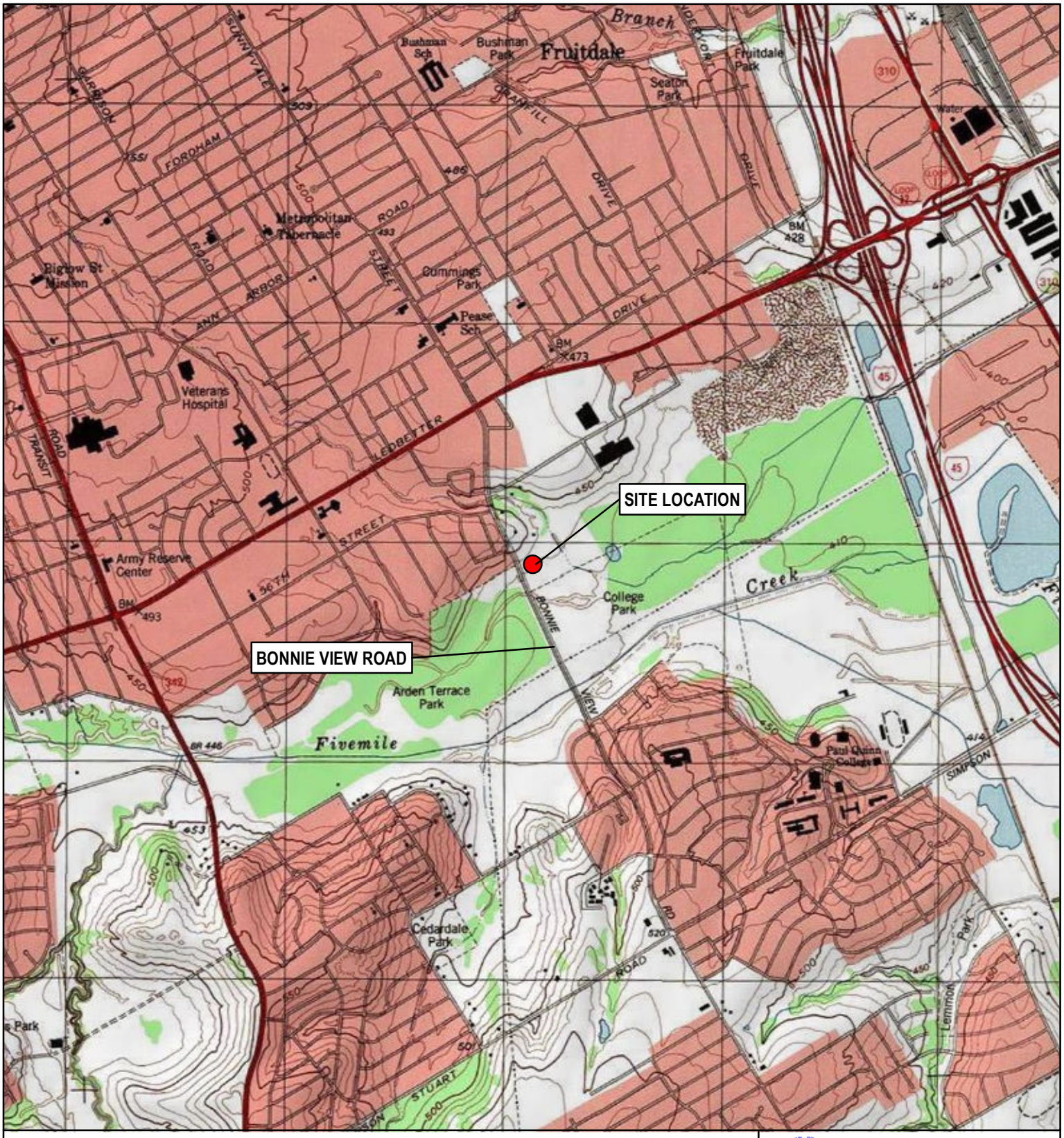
US EPA REGION 6

FIGURE 1-1
SITE LOCATION MAP
LANE PLATING REMOVAL ACTION
5322 BONNIE VIEW ROAD
DALLAS, DALLAS COUNTY, TEXAS

DATE	PROJECT NO	SCALE
DECEMBER 2016	20406.012.005.1039.01	AS SHOWN

TDD No: 5/WESTON-042-16-010
EPA ID: TXN000605240
SOURCE: 2010 Microsoft Corporation and its data suppliers

FILE: C:\Users\laraa\Documents\EPA Projects\Lane Plating Works - 20406.012.005.0922.01\Lane_Plating\GIS\MXD\REMOVAL ACTION\FIGURE_1-1_SITE_LOCATION_MAP.mxd 3:36:45 PM 12/20/2016 laraa


SITE LOCATION
BONNIE VIEW ROAD
Fruitdale
Bushman Park
Seaton Park
Fruitdale Park
Metropolitan Tabernacle
Cummings Park
Pease Sch.
Veterans Hospital
Army Reserve Center
College Park
Arden Terrace Park
Fivemile
Cedardale Park
Paul Quinn College
Creek
Branch
LEDBETTER
BONNIE VIEW
SIMPSON
STUART
ROAD
STREET
DRIVE
FORDHAM
ANN ARBOR
TRANSIT
0
2,000
4,000
Feet
Legend
SITE LOCATION
N
US EPA REGION 6
FIGURE 2-1
SITE AREA MAP
LANE PLATING REMOVAL ACTION
5322 BONNIE VIEW ROAD
DALLAS, DALLAS COUNTY, TEXAS
DATE
DECEMBER 2016
PROJECT NO
20406.012.005.1039.01
SCALE
AS SHOWN
TDD No: 5/WESTON-042-16-010
EPA ID: TXN000605240
SOURCE: 2010 Microsoft Corporation and its data suppliers
FILE: C:\Users\laraa\Documents\EPA Projects\Lane Plating Works - 20406.012.005.0922.01\Lane_Plating\GIS\MXD\REMOVAL ACTION\FIGURE_2-1_SITE_AREA_MAP.mxd 3:37:29 PM 12/20/2016 laraa

0 125 250

Feet

Legend

Property Boundary

N

US EPA REGION 6

FIGURE 2-2
SITE PROPERTY MAP
LANE PLATING REMOVAL ACTION
5322 BONNIE VIEW ROAD
DALLAS, DALLAS COUNTY, TEXAS

DATE	PROJECT NO	SCALE
DECEMBER 2016	20406.012.005.1039.01	AS SHOWN

TDD No: 5/WESTON-042-16-010
EPA ID: TXN000605240
SOURCE: 2010 Microsoft Corporation and its data suppliers

FILE: C:\Users\laraa\Documents\EPA Projects\Lane Plating Works - 20406.012.005.0922.01\Lane_Plating\GIS\MXD\REMOVAL ACTION\FIGURE_2-2_SITE_PROPERTY_MAP.mxd 3:38:55 PM 12/20/2016 laraa

APPENDIX A

SITE LOGBOOK

=DEFYING=
MOTHER NATURE™

SINCE 1916

RECYCLABLE

All components of this product are recyclable

Rite in the Rain

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

Using a pencil or all-weather pen, *Rite in the Rain* ensures that your notes survive the rigors of the field, regardless of the conditions.

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Item No. 391FX
ISBN: 978-1-60134-188-4

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Rite in the Rain®

ALL-WEATHER

JOURNAL

№ 391FX

Lane Plating Removal Action

20406.012.005.1039.01

Weston Solutions, Inc.
3900 Dallas Parkway, Suite 175
Plano, TX 75093
619-817-3298

Logbook 1 of _

Name

Ad

Ph

Pr

WESTON SOLUTIONS

JOSE L. OJEDA
SENIOR PROJECT LEADER
START TEAM

The Trusted Integrator for Sustainable Solutions

469-666-5506
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Weston Solutions, Inc.
Suite 175
3900 Dallas Parkway
Plano, TX 75093

an employee-owned company

CONTENTS

PAGE	REFERENCE	DATE

START PTL - Jose' Ojeda
619-417-3298

EPA OSC Mark Hayes
214-232-7134

ERRS Rafa Aguero (ER, LLC)
281-844-9197

EPA OSC Mike McAteer
214-354-9371

Environmental Restoration, LLC
Evan Wortman
303-518-7339

October 4, 2016

Cane Plating Removal 20406.012.005.1039.01

0600 START-3 departs to project site.
0720 START-3 arrives onsite.
2 ERRS personnel onsite setting generator to portable office.
Weather: 71° F; Cloudy; Wind from SE 12 mph 72% humidity; Anticipated high 88° F.
START-3 onsite: Jose Ojeda
Health & Safety: Entry into building; slips & trips; low light visibility
EPA OSC Mark Hayes & Mike McAteer onsite
0955 ERRS work crew arrived onsite
1100 ERRS began setting work lights within building.
ERRS having issues with generator
ERRS currently onsite: 1 response manager; 3 labor
1300 ERRS suiting up to make entry.
ERRS crew to sweep areas to clear debris from walking pathways. Spaced downs to allow access for sampling scheduled to begin 5 Oct.
1730 Depart site
1835 Arrive @ Weston Office

Ojeda

October 5, 2016

20406.012.005.1039.01 Cane Plating Removal

0600 START-3 departs to project site
0640 START-3 arrives onsite
0650 ER personnel arrive onsite
Weather: 75° F; Mostly Cloudy; Winds from the SE 10 mph; 100% humidity; Expected high 90° F.
ER personnel onsite: 3 laborers; 1 RM; 1 chemist; 1 forklift operator; 1 accountant;
0700 Data RAM; Area RAE; MultiRAE; and Driger Pac III started for air monitoring.
MultiRAE sensors = O_2; LEL; CO; H_2S; VOC
AreaRAE sensors = NO_2, VOC; SO_2; LEL; O_2
Pac III = HCl
Data RAM; Action Level = 4400 ug/m^3
0800 Conducted site walk through w/ ERRS and showed Areas of Concern. Provided the RM a copy of the TCEQ/SWS report
ERRS having issues with power to provide lights inside building.
1030 ERRS collected samples from tinning room in Level C PPE.
After samples collected ERRS chemist HAZCAT samples
1400 ERRS prepping to collect samples from

Josh

October 5, 2016

20406.02.005.1037.01 Lane Plating Removal

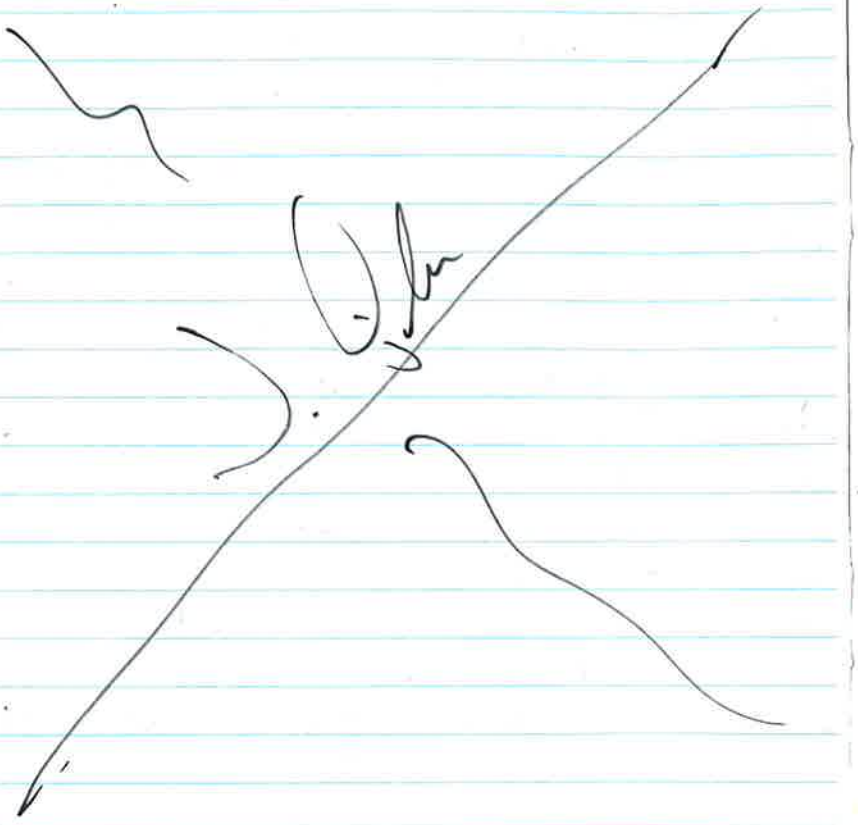
machine shop. Entry will be made in Level B PPE.

1500 Completed sampling Machine Shop.

1600 HAZCAT from Tinning Room & Machine Shop still needs to be completed.

1730 Depart site

1830 Arrive @ Weston Office.



October 6, 2016

20406.02.005.1039.01 Lane Plating Removal

0600 START-3 departs for site

0715 START-3 arrives @ site

ERRS prepping to sample Chemical Storage Area.

Weather: 77°F; Cloudy; Winds from the S @ 12mph; 81% humidity; High of 90°F

0800 Started & warmed-up monitoring equipment. Source 1 on Data RAM shows a Failure. Source 2 & Detector are Normal

0920 ERRS begin Level B sampling in Chemical Storage Area.

Personnel On-site: START-3; Jose Ojeda; EPA OSC: Mark Hayes.; ERRS: 1 RM; 1 Accountant; 1 Fork lift operator; 3 Labor; 1 Chemist.

1115 Sampling in Chemical Storage Area completed.

ERRS to begin consolidating containers and complete HAZCAT of samples.

1530 ERRS begin transferring contents from tanks in Tinning Room into poly drums.

1645 ERRS stopped pumping and began end of day activities.

Depart site @ 1730

Arrive @ Weston @ 1830

J. Ojeda

October 7, 2016

20406.012.005.1039.01 Lane Plating Removal

0600 START-3 mobilizes to site

0645 START-3 arrives onsite.

Weather: 70°F; Heavy Thunderstorm; Wind from N @ 15 mph; 89% humidity; Expected high of 74°F; Thunderstorm expected to stop @ ~10 am.

0700 ERRS crew onsite: 1 RM; 1 Accountant; 1 chemist; 1 Operator

START-3 onsite: Jose Ojeda & Sean Hettinger

Health & Safety: Wet conditions. Slippery walking conditions.

0710 Started DataRAM & PAC III.

DataRAM Source 1 Failure. Source 2 Normal

0810 ERRS begins transferring liquids from tanks in Tinning Room into poly drums.

EPA OSC Mark Hayes on site

1045 ERRS begins transferring liquid from Tank 1 in the Chemical Storage Area into Poly totes

1510 ERRS begins draining cyanide tanks on North wall of tinning rooms into poly drums

1715 ERRS completes draing of cyanide from tank on North wall and begins end of day activities

1730 Depart site

1830 Arrive at Weston Office

October 8, 2016

20406.012.005.1039.01 Lane Plating Removal

0600 START-3 mobilizes to site

0645 START-3 arrives on site

Weather: 79°F, Sunny, Wind N@5mph 89% Humidity

0700 ERRS crew on site: 1 RM; 1 accountant, 1 operator; 3 labor.

START-3 on site: Sean Hettinger

Health and Safety: Slips, Trips, and Falls, working with cyanide

0715 Started DataRAM and PAC III

DataRam: Calibrated OK, Source 1 and 2 Normal

0730: ERRS begins transferring liquids from vats in tinning rooms into totes.

1715 ERRS completes draining of vats in tinning rooms and begins end of day activities.

1730 Depart site

1830 Arrive at weston office

October 9, 2016

20406.012.005.1037.01 Lane Plating Removal

0600 START-3 departs from site to site

0645 START-3 arrives on site

Weather: Currently, 53°F, High of 80°F, Clear skies

Winds ENE at 5-10 mph. Humidity 81%

0700 ERRS crew on site; 1RM; 1 Accountant; 1 chemist; 1 operator; 3 labor

START-3 on site: Sean Hettinger

Health and Safety: Slips trips, and falls; Dangerous chemicals

0710 Calibrated DataRAM and turned on PAC III's

DATARAM calibrated OK

Planned activities for the day include transferring materials in drums in machine shop room into new poly drums in preparation for shipment

0930 ERRS completing transferring drums in machine shop room and will begin removing sodium ash and remaing material from Tank 1 in the chemical storage area

1300 ERRS began pumping Material out of Tank 3 in the Chemical Storage area into poly totes.

1715 ERRS stopped pumping Tank 3 and began end of day activities.

1730 Depart Site

1830 Arrive @ Hueston office.

October 10, 2016

20406.012.005.1037.01 Lane Plating Removal

0600 START-3 departs to site

0645 START-3 arrives on site

Weather: Currently 54°F, High of 83°F, Partly cloudy

Winds ENE @ 3 mph, Humidity 82%

0700 ERRS crew on site; 1RM; 1 accountant; 1 chemist; 1 operator, 3 labor

START-3 on-Site: Sean Hettinger

Health and Safety: Slips, Trips, and falls; Dangerous Chemicals

0715 Calibrated DataRAM and turned on PAC III's

DataRAM calibrated OK

ERRS will resume removing material from Tank 3 in the Chemical Storage area and sampling and Incerating drums in chemical storage area.

1500 ERRS completed cleaning of Tank 3. ERRS will continue with sampling drums and Incerating

1600 ERRS are cleaning drums and preparing for potential shipping.

1730 ERRS completed end of day activities and all parties departed site.

1830 Arrive @ Western office

October 11, 2016 20406.012.005.1037.01 Lane Plating Removal

0600 START-3 Departs to site

0645 START-3 arrives on site

Weather: Currently 57°F, High of 87°F, Clear Skies

Wind: SE@ 6mph, Humidity 76%

0700 ERRS on site, 1RM, 1 accountant, 1 chemist, 1 operator, 3 labor

START-3 on site: Sean Hettinger

Health and Safety: Slips, Trips, and Falls

Todays site activities include cleaning out large Vats in south area of chemical storage area and consolidating neutral drums in chemical storage area.

1130 ERRS begins removing bricks from the bottom of Tank 3 in the storage area.

1515 ERRS begins cleaning and cutting empty drums for disposal.

1600 START-3 took down DataRam to charge.

Drum cutting is being conducted outside

1645 ERRS stopped drum cutting and began end of day activities

1730 Depart Site

1830 Arrive at Weston Office

20406.012.005.1039.01 Lane Plating Removal

0600 START-3 departs to site — dr

0645 START-3 arrives onsite — dr

0705 ERRS arrives onsite. Conduct daily briefing — dr

Personnel onsite: START-3 Jose Ojeda; — dr

ERRS: 1RM; 1 Accountant; 1 Operator; — dr

3 Labor; 1 Chemist. — dr

Weather: 74°F; cloudy; Expected high 89°F

Wind from S @ 10mph; 65% humidity; — dr

0715 Started DataRam & Pac-In — dr

0930 Tour facility w/ OSC Hayes & — dr

Madison Baxter; — dr

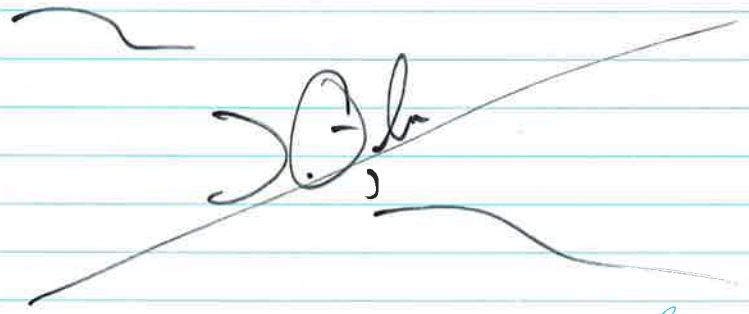
ERRS continued consolidating drums, and organizing drums into waste streams. — dr

1700 All HAZCAT completed. — dr

ERRS began end of day duties. — dr

0730 START-3 departs site. — dr

1830 Arrive @ Weston Office — dr



October 13, 2016

20466.012.005.1039.01 Lane Plating Removal

0600 START-3 departs for site

0645 START-3 arrives onsite

Personnel Onsite: START-3 Jose Ojeda;

ERRS: 3 Labor; 1 RM; 1 Operator; 1 chemist; 1 Accountant

Weather: 60°F; Cloudy; Expected high 79°F

Wind from NNW @ 7mph; 69% humidity

ERRS to continue consolidating waste streams.

0730 DataRAM started and zeroed.

All sources normal.

1013 Background sample collected @ property North of facility

Collected sample @ 0-6", & 12"-18"

1425 Background sample shipped via Fed Ex # 777460308750

1730 Depart Site.

1830 Arrive @ Weston Office.

October 14, 2016

20466.012.005.1039.01 Lane Plating Removal

0600 START-3 departs for site.

0645 START-3 arrives onsite

Personnel Onsite: START-3 Jose Ojeda;

ERRS: 3 Labor; 1 RM; 1 Operator; 1 Chemist; 1 Accountant

Weather: 63°F; Cloudy; Scattered thunderstorms; Expected High 82°F; Wind from SE @ 4mph

Humidity 76%

Anticipated Ops: Confined space work in main sump scheduled for afternoon.

Health & Safety: Confined Space.

0720 DataRAM, Multi-RAE & Area RAE started & warmed-up.

DataRAM Source 1 & 2 Normal

0820 Calibrate Multi-RAE

Fresh Air: All sensors PASS

O_2 Pass; LEL Pass; CO Pass

H_2S Pass; VOC Pass;

0829 Calibrate Area RAE

Fresh Air: All sensors 0.0 ppm

VOC 100 ppm; LEL 58%; O_2 NA

5 Onsite trailers opened. Further investigation of their contents will need to be conducted.

1019 Polydrums delived to site

Joseph

Oct. 14, 2016

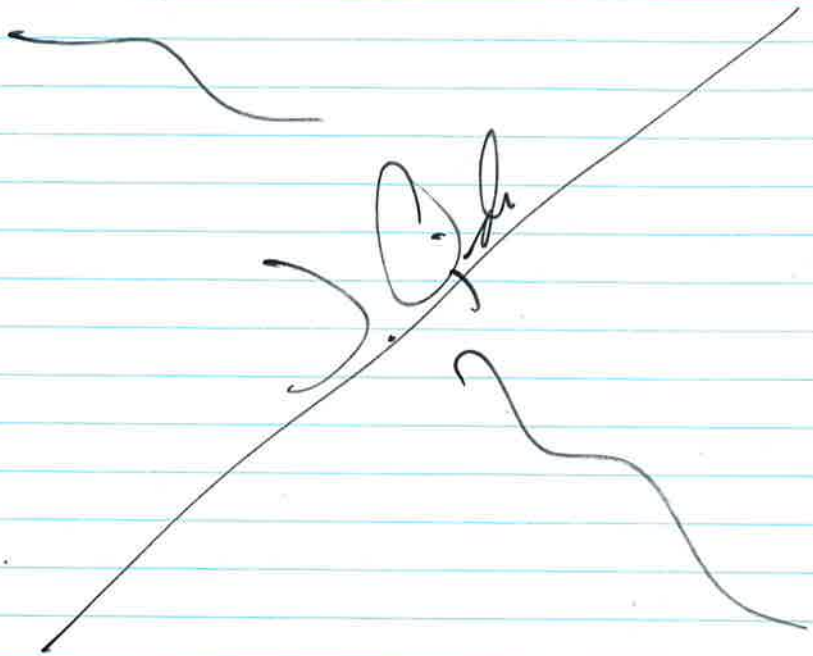
20466.012.005.1039.01 Lane Plating Removal

1439 ERRS continues destroying poly / steel drums for disposal.

Conducting cleanout of large poly tanks in Chemical Storage Area.

1700 Overhead hazard removed from min sump area in preparation for Confined Space work scheduled for Friday, Oct. 15, 2016

1708 ERRS begins end of day activities. Crew scheduled to continue work through weekend.



20406.012.005.1039.01 Lane Plating Removal

0600 START-3 depart ~~from~~ to site.

0645 START-3 arrives on site

Personnel onsite: Sean Hettinger

ERRS: 3 Labor; 1 RM; 1 chemist; 1 operator, 1 accountant

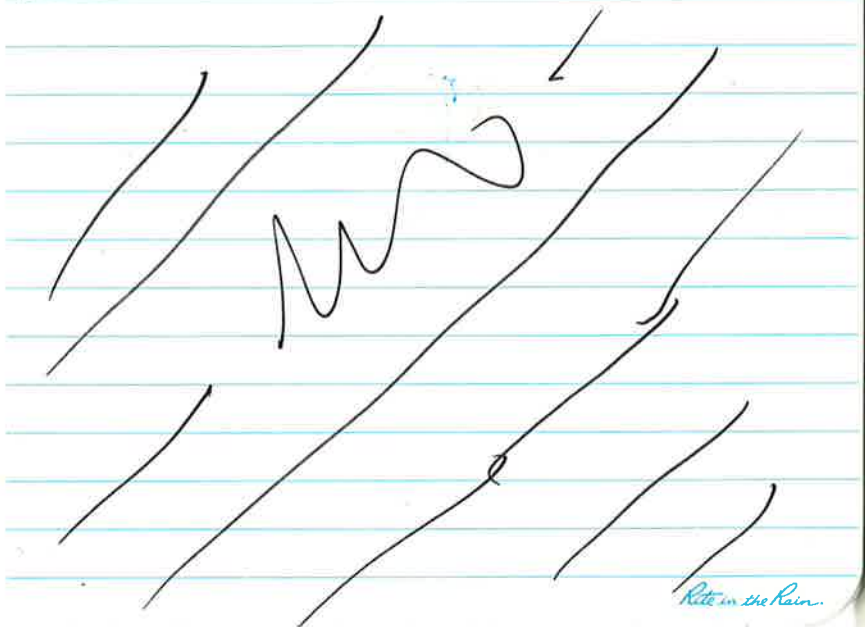
Weather: ~~Intect~~ Currently 71°F, 94% Humidity, High of 88°F, Wind 10 mph S

Planned site activities include confined space cleaning in tank on south side of rectifier room and inventory containers in chemical storage area

1645 ERRS Begins end of day activities

1730 Depart S; Jc

1830 Arrive @ Weston Offices



October 16, 2016 20406.012.005.1039.01 Lane Plating Removal

0600 Start-3 Depart to site

0645 Start-3 Arrive on site

Personnel on-site: Sean Hettinger

ERRS: 1 RM; 1 accountant; 1 chemist; 3 labor; 1 operator

Weather: Currently 79°F, High of 89°F, Humidity 9%, cloudy

Wind SSE 11mph

Anticipated Site Activities: Cleaning of pit of south side of Rectifier room; continuing hazcating containers in Machine shop chemical storage area

ERRS completed cleaning of pit and will pumpout vat in Chemical storage area and remove lead smelter on north side of building

1415 ERRS was unable to remove smelter and it was decided by OSC to leave it. ERRS will continue pumping vat in chemical storage area

1700 ERRS begins end of site activities

1730 Depart Site

1830 Arrive @ Weston office

20406.012.005.1039.01 Lane Plating Removal

0600 START-3 Depart to site

0645 START-3 Arrive on site

Personnel on Site: Sean Hettinger

ERRS: 1 RM; 1 accountant; 1 chemist; 1 operator; 3 labor

Weather: Currently 73°F, Partly Cloudy, High of 90°F

Humidity 89%, Wind S 11mph

Today's site activities: Cleaning tanks outside south of building. Sampling materials in chemical storage room

ERRS conducted Health and safety meeting

1130 ERRS completed cleaning tanks outside and will start packaging items in chemical storage area for shipment

1430 Vac truck arrives to clear rinse water vat in chemical storage area

1445 Fire Shell arrives to dispose of fire extinguishers. ERRS is having difficulty pumping the sludge out of the vat due to its thickness. They will try and mix the sludge with water tomorrow to try and remove it.

1730 Depart Site

1830 Arrive @ Weston offices

Oct 18, 2016

20406.012.005.1039.01 Lane Plating Removal

0600 START-3 departs to site

0645 START-3 arrive on site

Personnel: Sean Hettinger

ERRS: 1 RM; 1 Accountant; 1 chemist; 1 operator; 3 labor

Weather: Currently 73°F, High of 90°F, Humidity 91%

Wind 5 11 mph; Mostly Cloudy.

ERRS plans on making another attempt to clean the vat from yesterday; using a pressure washer to skim the material

ERRS was not able to remove all material from vat, they will remove the rest of the material when they return in November

ERRS cleaned floor vents in the ground below

Rinse water tank in chemical storage area.

ERRS placed material from Rinse water vat into plastic totes

ERRS begins removing material from vats in storage area outside of building on the south side of the property. and sampling materials stayed in chemical storage area

ERRS begin consolidating materials and cutting empty drums for disposal

1615 ERRS begins end of site activities.

November 14, 2016

20406.012.005.1039.01 Lane Plating Removal

0800 START-3 departs Weston Office

START-3 = Jose Ojeda PTL

0830 START-3 arrives at EPA Cool to retrieve Data Ram; Area RAE & MultiRae.

0930 START-3 arrives onsite @ Lane Plating

1045 Evan Wortman; Project Manager for Environmental Restoration, arrives onsite.

Weather: 66°F; Winds from the SSW @ 8mph Humidity 72%; 40% cloud cover.

Safety: Driving safety to & from jobsite.

1130 Equipment delivered: Mini Excavator; Fork loft; Generator and Power Washer.

1545 Additional supplies arrived onsite.

1655 Portable toilets arrived onsite.

Began pouring lime in the "rinse water" tank. Liquids started heating up and evaporating. Fans were turned on and steam blown out bay doors

Personnel onsite:

START-3 - Jose Ojeda; OSC - Mark Hayes; RM - 1; Machine Operator - 1; Laborers - 2.

1730 Depart site

1830 Arrive @ Weston office.

Rite in the Rain

November 15, 2016

26406.012.005.1039.01 Lane Plating Removal

0600 START-3 departs to site — dr

0700 START-3 arrives onsite — dr

ERRS conducts safety meeting. Respiratory protection required during lime operations — dr

Monitoring equipment calibration: — dr

AreaRAE: Will not turn on (BZ7004)

MultiRAE: Oxy sensor failed and will not calibrate. All other sensors passed. — dr

DataRAM: Zero initiated. All sensors — dr passed. — dr

Planned operations: Solidify liquids in sumps

0945 Replacement AreaRAE & MultiRAE — dr arrived. Attempted calibration. — dr

MultiRAE: H_2S & HCN failed. All other — dr sensors passed. — dr

AreaRAE: All sensors passed. — dr

1520 Air monitors removed from within the facility and placed in office for charging. — dr

ERRS continued adding Calcium Quicklime and mixing w/ sludge in "Rinse Water" tank — dr

1730 START-3 departs site — dr

1845 START-3 arrives @ Weston Office. — dr

— dr

— dr

— Josh

November 16, 2016

26406.012.005.1039.01 Lane Plating Removal

0600 START-3 departs to site — dr

0645 START-3 arrives onsite — dr

Anticipated work for the day: Load solidified contents of "Rinse Water" tank into yd^3 — dr box. Truck scheduled to arrive @ 10am. — dr

ERRS conducts safety meeting: Level C — dr PPE during loading operations. Do not load — dr box if material is still hot. — dr

Personnel onsite: START-3: Jose "Q", Josh; — dr OSC: Randy Guidry; 1-RM; 1-Operator; — dr 2-ERRS Labor.

Weather: 55° F; 77% humidity; Winds @ 1mph from SSW; Expected high of 85°

0925 Waste Specialist arrived onsite.

1019 Truck arrived onsite — dr

1115 Truck left site to be weighed — dr

Truck loaded w/ 14 loads of chromatic acid liquid waste. — dr

1140 Truck returned to site. Need to — dr rearrange load inside trailer. Weight — dr distribution was not correct. — dr

1300 Truck departed site. Final load count = 15 totes of chromatic acid liquid waste.

1525 Truck arrived onsite for 2nd load.

1630 Truck departed for weigh station — Josh

Rite in the Rain

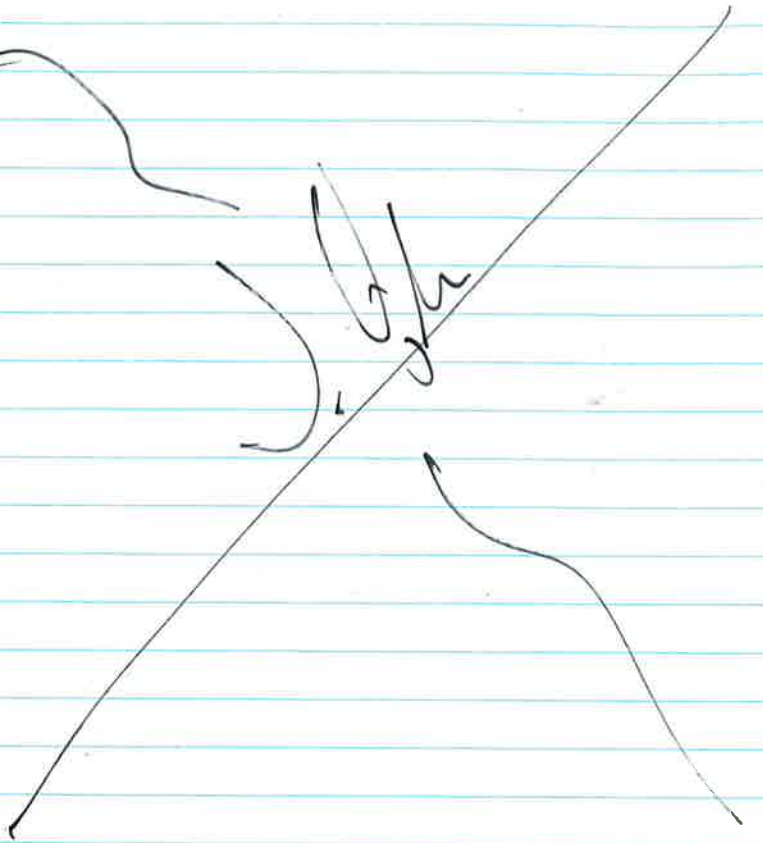
20406.012.005.1035.01 Lane Plating Removal

1706 Truck returned to offload excess weight. —dr

1740 Truck departs site. Updated load: 14 totes and 3 drums with chromatic acid liquid. —dr

1800 Depart site —dr

1915 Arrive @ Weston Office —dr



20406.012.005.1035.01 Lane Plating Removal

0600 START-3 departs to site —dr

0645 Arrive onsite —dr

ERRS conducts safety meeting: Loading trailer with drums and super sacks. —dr

Personnel onsite: START-3 - Jose Ojeda; - dr

OSC - Randy Guidry; RM-1; Operator-1; Labor-2; Waste Specialist-1 —dr

Weather: 61°F; Winds from SSE @ 10mph; 82% Humidity; Expected high of 78°F

0712 Truck arrived —dr

0825 Truck departs site loaded w/: —dr

11 totes w/ chromatic acid liquid. —dr

5 supersacks w/ contaminated soil —dr

0901 2nd truck arrived onsite —dr

1130 2nd truck departed site loaded w/: —dr

7 supersacks w/ contaminated soil; —dr

1 tote w/ chromatic acid liquid; —dr

9 boxes of chromium solids —dr

1 box of sodium hydroxide solids —dr

2 drums w/ contaminated soils —dr

1444 Truck arrived onsite. —dr

1805 Loaded truck leaves site. —dr

1830 Depart site —dr

1930 Arrive @ Weston —dr

—dr

—dr

November 18, 2016

2016012.005.1039.01 Cone Plating Removal

0600 Depart to site ——— dr

0645 Arrive @ site ——— dr

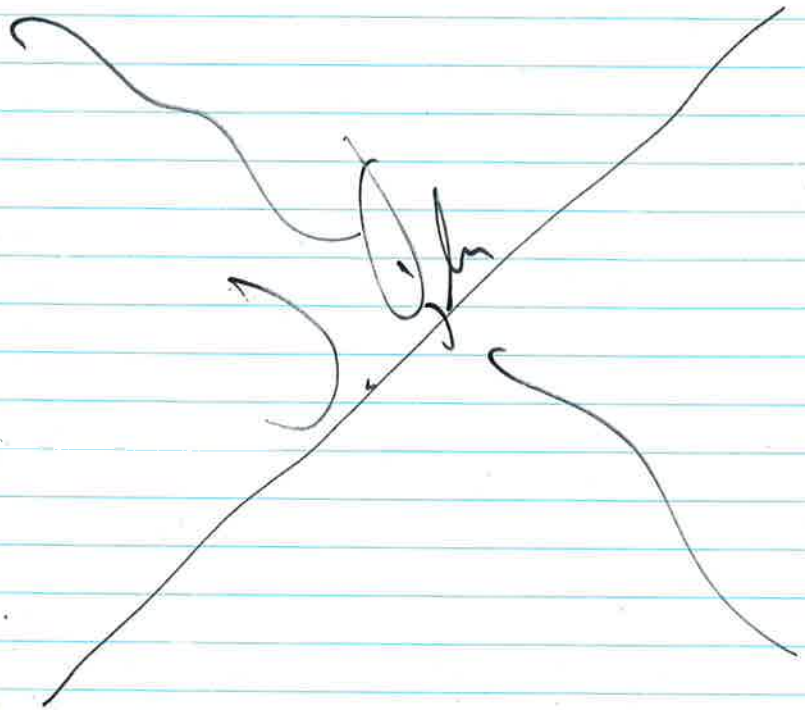
Anticipated work for the day: Load remaining containers; demobe mobile office and equipment

Weather: 59°F; Cloudy; Wind from NW @ 13mph 58% humidity; High of 64°F ——— dr

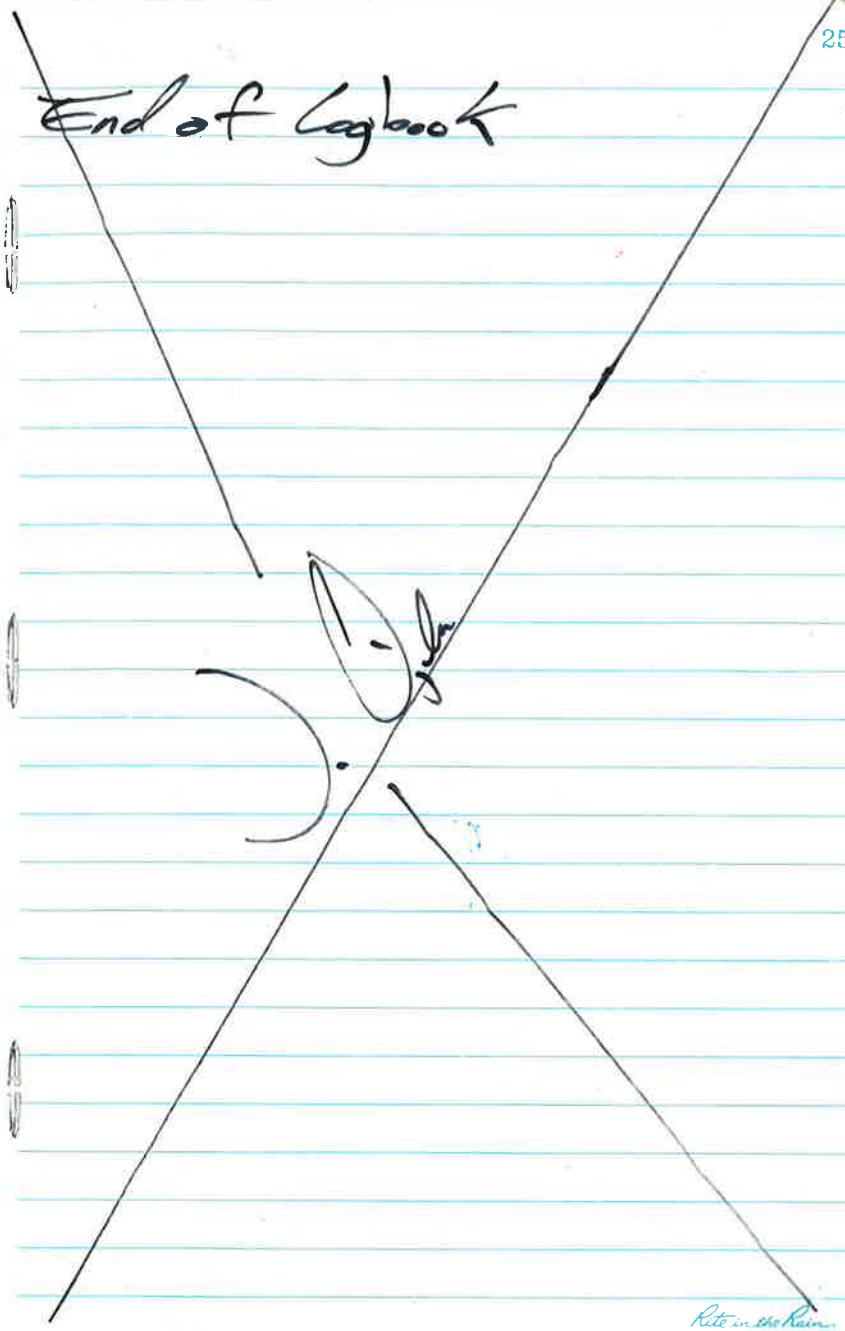
0715 Truck arrived. ——— dr

0745 Truck departs site with last load of waste. ——— dr

1015 TEQ arrived onsite. ——— dr



End of Logbook



APPENDIX C

WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD007336571	1	1-888-785-7225	009776314 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN HARBORS DEER TRAIL LANDFILL
108555 E US HIGHWAY 36
DEER TRAIL, CO 80105
Facility's Phone: (970) 386-2293
U.S. EPA ID Number: COD991300484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. ~~RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.14]~~	~~015~~ 014	~~TP~~	~~43000~~	~~P~~	~~D002 D006 D007~~ ~~D008 D010 D011~~
X	2. RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.14]	015	TP	43000	P	D002 D006 D007 D008 D010 D011
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132317
~~1) ERG#154; F006, F019 ACT58307 USC~~
2) ERG#154; F006, F019 ACT58307 USC 14x275g 1x330g

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Guidry For EPA — Signature: Randy Guidry — Month 11 Day 16 Year 2016

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dennis Hickman — Signature: Dennis Hickman — Month 11 Day 16 Year 16
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

GENERATOR NAME	MANIFEST NUMBER
US EPA REGION 6 / LANE PLATING SITE	009776314FLE

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
~~1~~	~~ACT58307 / ACT58307~~	~~F019~~			NWW	
		~~D002~~				
		~~D008~~				
		~~D010~~				
		~~D006~~				
		~~D011~~				
		~~D007~~				
		~~F006~~				

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
2	ACT58307 / ACT58307	F019			NWW	
		D002				
		D008				
		D010				
		D006				
		D011				
		D007				
		F006				

SPECIAL CONDITIONS:

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49
Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	DATE
Ramy Lucky	OSC EPA	Nov 16, 2016

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD007336571	1	1-888-785-7225	009776315 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CLEAN HARBORS DEER TRAIL LANDFILL
108555 E US HIGHWAY 36
DEER TRAIL, CO 80105
Facility's Phone: (970) 386-2293
U.S. EPA ID Number: COD991300484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.14]	014 ~~015~~	TP	43000	P	D002 D006 D007 D008 D010 D011
X	2. ~~RQ UN1755 WASTE CHROMIC ACID SOLUTION, 8, PG II (ITEM 1.14)~~	~~004~~ 002	DF	~~16000~~ 8000	P	~~D002 D006 D007~~ D008 D010 D011
X	3. RQ UN1755 WASTE CHROMIC ACID SOLUTION, 8, PGII (ITEM 1.14)	003	DF	1500	P	D002 D006 D007 D008 D010 D011
	4.					

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132318
1) ERG#154; F006, F019 ACT58307 USC 15X275 3) ERG#154 ACT 58037 3X55
~~2) ERG#154 ACT 58307 4X55~~

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: FOR EPA — Signature: [signature] — Month 11 Day 16 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dennis Hickman — Signature: Dennis Hickman — Month 11 Day 16 Year 16
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

GENERATOR NAME	MANIFEST NUMBER
US EPA REGION 6 / LANE PLATING SITE	009776315FLE

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
1	ACT58307 / ACT58307	F019	D011		NWW	
		D002	D007			
		D008	F006			
		D010				
		D006				
2	ACT 58307 /	D011	F019 D006		NWW	
3	ACT 58307	D007	D002 D008			
		F006	D010			

SPECIAL CONDITIONS:

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49

Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	DATE

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD007336571	1	1-888-785-7225	009776316 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN HARBORS DEER TRAIL LANDFILL
108555 E US HIGHWAY 36
DEER TRAIL, CO 80105
Facility's Phone: (970) 386-2293
U.S. EPA ID Number: COD991300484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.14]	011	TP	34000	P	D002 D006 D007 D008 D010 D011
X	2. UN3077 WASTE Environmentally Hazardous Substances Solid N.O.S (CONTAMINATED ~~SOLID~~ SOIL) 9 PG III (Item 1.4)	005	BA	5800	P	F006 F009 F019
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132319
1) ERG#154; F006, F019 ACT58307 USC 11X275
2) ERG#171 ACT 58290 5X Super Sack

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month 11 Day 17 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name — Signature — Month 11 Day 17 Year 16
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

GENERATOR NAME	MANIFEST NUMBER
US EPA REGION 6 / LANE PLATING SITE	009776316FLE

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
1	ACT58307 / ACT58307	F019 D006 D002 D011 D008 D007 D010 F006			NWW	
2 ACT58293		~~D006~~ F009 ~~D011~~ F019 ~~D007~~ F006				

SPECIAL CONDITIONS:

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49
Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	DATE

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD007336571
2. Page 1 of: 2
3. Emergency Response Phone: 1-888-785-7225
4. Manifest Tracking Number: 009776313 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation
U.S. EPA ID Number: NED 986 382 133

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN HARBORS DEER TRAIL LANDFILL
108555 E US HIGHWAY 36
DEER TRAIL, CO 80105
Facility's Phone: (970) 386-2293
U.S. EPA ID Number: COD991300484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
~~X~~	1. ~~UN3077, Waste Environmentally hazardous substances, solid, n.o.s. (SILVER), 9 , PGIII [Item 1.2]~~		~~CF~~		~~P~~	~~D011 F006 F019~~
~~X~~	2. ~~UN3262, Waste Corrosive solid, basic, inorganic, n.o.s.(SODIUM HYDROXIDE/CADMIUM), 8 , PGII [Item 1.3]~~		~~CF~~		~~P~~	~~D006 F006~~ F019
X	3. UN3077, Waste Environmentally hazardous substances, solid, n.o.s.(CONTAMINATED SOIL), 9 , PGIII [Item 1.4]	001 ~~0006~~	~~CF~~ BA	07000	P	F006 F009 F019
X	4. UN3082, Waste Environmentally hazardous substances, liquid, n.o.s. (CADMIUM/CHROMIUM), 9 , PGIII [Item 1.6]	001	TP	03000	P	D006 D007 F006 F019

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132316
~~1) ERG#171; ACT58296 USC~~
~~2) ERG#154; ACT58297 USC~~
3) ERG#171; ACT58298 USC- TX Super Sack
4) ERG#171; ACT58300 USC- IX275

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Guidry for EPA
Signature: Randy Guidry
Month 11 Day 17 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jimmy Davis
Signature
Month 11 Day 17 Year 16
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: TXD007336571

22. Page: 2 of 2

23. Manifest Tracking Number: 009776313FLE

24. Generator's Name
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
~~X~~	~~5) UN3260, Waste Corrosive solid, acidic, inorganic, n.o.s.(CHROMIC ACID), 8, PGII [Item 1.16]~~		~~ERC~~		~~P~~	~~D007 F006 F019~~
~~X~~	~~6) UN3077, Waste Environmentally hazardous substances, solid, n.o.s.(LEAD), 9, PGIII [Item 1.23]~~		~~CW~~		~~P~~	~~D008~~
X	~~13)~~ UN3077 WASTE ENVIRONMENTALLY HAZARD 7) OUS SUBSTANCES, SOLID, N.O.S (Chromium) 9 PG III 1.16	009	CF	1350	P	D007 F006 F019
X	~~14)~~ UN3077, WASTE ENVIRONMENTALLY 8) HAZARDOUS SUBSTANCES SOLID, N.O.S (CONTAMINATED SOIL), 9 (1.4)	002	DF	0600	P	F006 F009 F019
X	9) UN3262 WASTE CORROSIVE SOLID BASIC INORGANIC (SODIUM HYDROXIDE) 8, PG II 1.3	001	CF	0900	P	D006 F006 F019

32. Special Handling Instructions and Additional Information

~~5) ERG#154, ACT58308 USC~~ ~~6) ERG#171, ACT58318 USC~~ 7) ERG # 171 ACT 58432 9X CYB

8) ERG # 171 ACT 58318 2X55 9) ERG # 154 ACT 58297 1X CYB

GENERATOR

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal and recycling systems)

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

GENERATOR NAME	MANIFEST NUMBER
US EPA REGION 6 / LANE PLATING SITE	009776313FLE

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
~~1~~	~~ACT58296 / ACT58296~~	~~F019~~ ~~D011~~ ~~F006~~			NWW	
~~2~~	~~ACT58297 / ACT58297~~	~~F019~~ D006 ~~F006~~			NWW	
3	ACT58298 / ACT58298	F019 F009 F006			NWW	
4	ACT58300 / ACT58300	F019 D006 D007 F006			NWW	
~~5~~ 7	~~ACT58308 / ACT58308~~ ACT 58432	F019 D007 F006			NWW	
~~6~~ 8	~~ACT58310 / ACT58310~~ ACT 58298	~~D008~~ F006 F009 F019			NWW	
9	ACT 58297	D006 F006 F019			NWW	

ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

SPECIAL CONDITIONS:

DATE

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49

Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	
EPA	OSC EPA	11/17/16

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION A

I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I have submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION B

I certify under penalty of law that I personally have examined and am familiar with the waste and that lab pack contains only wastes which have not been excluded under appendix iv to 40 CFR 268. I am aware that there are significant penalties for submitting a false certification, including fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION F

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 286.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION G

I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 286.40 to remove the hazardous characteristic, and that the underlying hazardous constituents, as defined in 268.2 have been treated on site to the 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION I

I certify under penalty of law that I personally have examined this contaminated soil and it [DOES/DOES NOT] contain listed hazardous waste and [DOES/DOES NOT] exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 268.49(c).

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION J

I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD007336571	1	1-888-785-7225	009776310 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name: Advanced Chemical Transport, Inc (CO) — U.S. EPA ID Number: CAR000070540

8. Designated Facility Name and Site Address
Veolia ES Technical Solution
9131 East 96th Avenue
Henderson, CO 80640
Facility's Phone: 303 289 4827
U.S. EPA ID Number: COD980591184

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3506, Waste Mercury [contained in manufactured articles], 8 (6.1), PGIII [Item 1.21]	001	DF	0009	P	D009
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) ERG#172; USV- 1x2
Project Number 112105 Document #: D132311

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Lewis For EPA — Signature: Randy Lewis — Month/Day/Year: 11 17 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name — Signature — Month/Day/Year: 11 17 16
Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month/Day/Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

GENERATOR NAME	MANIFEST NUMBER
US EPA REGION 6 / LANE PLATING SITE	009776310FLE

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
1	ACT58314 /	D009	High Mercury Inorganic Subcategory		NWW	

SPECIAL CONDITIONS:

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49
Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	DATE
[signature]	OSC EPA	11/17/16

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION A
I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I have submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION B
I certify under penalty of law that I personally have examined and am familiar with the waste and that lab pack contains only wastes which have not been excluded under appendix iv to 40 CFR 268. I am aware that there are significant penalties for submitting a false certification, including fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION F
I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 286.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION G
I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 286.40 to remove the hazardous characteristic, and that the underlying hazardous constituents, as defined in 268.2 have been treated on site to the 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION I
I certify under penalty of law that I personally have examined this contaminated soil and it [DOES/DOES NOT] contain listed hazardous waste and [DOES/DOES NOT] exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 268.49(c).

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION J
I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD007336571	2	1-888-785-7225	009776307 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CLEAN HARBORS DEER TRAIL LANDFILL
108555 E US HIGHWAY 36
DEER TRAIL, CO 80105
Facility's Phone: (970) 386-2293
U.S. EPA ID Number: COD991300484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN3260, Waste Corrosive solid, acidic, inorganic, n.o.s(SULFURIC ACID/CADMIUM), 8, PGII [Item 1.1]	002	DF	0300	P	D006 F006 F019
X	2. RQ, UN3262, Waste Corrosive solid, basic, inorganic, n.o.s.(SODIUM HYDROXIDE/CADMIUM), 8, PGII [Item 1.3]	004	DF	0550	P	D006 F006 F019
X	3. UN3077, Waste Environmentally hazardous substances, solid, n.o.s.(CONTAMINATED SOIL), 9, PGIII [Item 1.4]		DF		P	F006 F009 F019
X	4. RQ, UN3264, Waste Corrosive liquid, acidic, inorganic, n.o.s. (HYDROCHLORIC ACID,SULFURIC ACID), 8, PGII [Item 1.5]	004	DF	2000	P	D002 D006 D007 D008 F006 F019

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132308
1) ERG#154; ACT58295 USC- 2X55
2) ERG#154; ACT58297 USC- 4X55
3) ERG#171; ACT58298 USC- 4X55
4) ERG#154; ACT58299 USC-

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Guidry For EPA — Signature: [signature] — Month 11 Day 17 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month 11 Day 17 Year 16

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number	22. Page	23. Manifest Tracking Number
TXD007336571	2 of 2	009776307FLE

24. Generator's Name
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

25. Transporter _____ Company Name — U.S. EPA ID Number

26. Transporter _____ Company Name — U.S. EPA ID Number

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
X	5) UN3082, Waste Environmentally hazardous substances, liquid, n.o.s. (CADMIUM/CHROMIUM), 9, PGIII [Item 1.6]	009	DF	2400	P	D006 D007 F006 F019
X	6) UN3082, Waste Environmentally hazardous substances, liquid, n.o.s. (CADMIUM/CHROMIUM), 9, PGIII [Item 1.7]	001	DF	0410	P	D006 D007 F006 F019
X	7) RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.14]	0018	DF	9000	P	D002 D006 D007 D008 D010 D011
X	8) RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.15]	022	DF	8800	P	D002 D006 D007 D008 D010 D011
X	9) RQ, UN1755, Waste Chromic acid solution, 8, PGII [Item 1.15]	001	DF	0400	P	D002 D006 D007 D008 D010 D011
X	10) RQ, UN1830, Waste Sulfuric acid, 8, PGII [Item 1.17]	009	DF	1350	P	D002
X	11) RQ, UN1830, Waste Sulfuric acid, 8, PGII [Item 1.17]	002	DF	0415	P	D002
	12) Non-RCRA Hazardous Waste Solid (OIL FILTERS) [Item 1.10]	001	DF	0061	P	
X	13) UN3260 WASTE CORROSIVE SOLID ACIDIC, INORGANIC N.O.S (CHROMIC ACID) 8, PG II [ITEM 1.16]	002	CF	3000	P	D007 F006 F019

32. Special Handling Instructions and Additional Information
5) ERG#171; ACT58300 USC- 9X3055 6) ERG#171; ACT58300 USC- 1X55 7) ERG#154; F006,F019 ACT58307 USC- 18X55 8) ERG#154; F006,F019 ACT58430 USC- 22X55 9) ERG#154; F006,F019 ACT58430 USC- 1X95 10) ERG#137; ACT58309 USC- 9X30 11) ERG#137; ACT58309 USC- 2X55 12) ERG#; ACT58303 USC- _____
13) ERG # 154 ACT 58308

TRANSPORTER

33. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

34. Transporter _____ Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal and recycling systems)

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

SPECIAL CONDITIONS:

DATE

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49
Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	
Randy Lewis	OSC EPA	11/17/16

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION A
I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR part 268 subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I have submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION B
I certify under penalty of law that I personally have examined and am familiar with the waste and that lab pack contains only wastes which have not been excluded under appendix iv to 40 CFR 268. I am aware that there are significant penalties for submitting a false certification, including fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION F
I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 286.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION G
I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 286.40 to remove the hazardous characteristic, and that the underlying hazardous constituents, as defined in 268.2 have been treated on site to the 268.48 Universal Treatment Standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION I
I certify under penalty of law that I personally have examined this contaminated soil and it [DOES/DOES NOT] contain listed hazardous waste and [DOES/DOES NOT] exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 268.49(c).

WASTE STREAMS IDENTIFIED BY SPECIAL CONDITION J
I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment.

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD007336571	1	1-888-785-7225	009776312 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation
U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors La Porte, L.P.
500 Independence Pkwy South
La Porte, TX 77571
Facility's Phone: 281-884-5500
U.S. EPA ID Number: TXD 982 290 140

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. UN1001, Acetylene, dissolved, 2.1 [Item 1.22]	001	CY	0150	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132314
1) ERG#116; ACT58315 USC-_____

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Guidry For EPA
Signature: [signature]
Month 11 Day 18 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jimmy Davis
Signature: [signature]
Month 11 Day 18 Year 16
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD007336571	2	1-888-785-7225	009776308 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors Environmental Services, Inc. (KP)
2247 South Highway 71
Kimball, NE 69145
Facility's Phone: 308-235-4012
U.S. EPA ID Number: NED981723513

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1993, Waste Flammable liquids, n.o.s.(METHYL ETHYL KETONE), 3, PGII [ITEM 1.8]	001	DM	0067	P	D001 D005 D006 D008 F005
X	2. RQ, UN2922, Waste Corrosive liquids, toxic, n.o.s. (SODIUM HYDROXIDE/SODIUM CYANIDE), 8 (6.1), PGII [Item 1.11]	012	DF	4800	P	D002 D003 D006 D007 D008 F008
X	3. RQ, UN2922, Waste Corrosive liquids, toxic, n.o.s. (SODIUM HYDROXIDE/SODIUM CYANIDE), 8 (6.1), PGII [Item 1.11]	001	DF	0116	P	D002 D003 D006 D007 D008 F008
X	4. RQ, UN2922, Waste Corrosive liquids, toxic, n.o.s. (SODIUM HYDROXIDE/SODIUM CYANIDE), 8 (6.1), PGII [Item 1.12]	023	DF	6900	P	D002 D003 D006 D007 D011 F008

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132309
1) ERG#128; ACT58301 USC- 1X55
2) ERG#154; ACT58304 USC- 2X55
3) ERG#154; ACT58304 USC- 1X15
4) ERG#154; ACT58305 USC- 22X55 1X30

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Guidry For EPA — Signature: Randy Guidry — Month 11 Day 18 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jimmy Davis — Signature — Month 11 Day 18 Year 16
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
5	ACT58305 / ACT58305	D002			NWW	
		F008				
		D003				
		D006				
		D007				
		D011				

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
6	ACT58306 / ACT58306	D003			NWW	
		P106				

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
7	ACT58313 / ACT58313	D001			NWW	

8 D001 ACT58311 NWW

SPECIAL CONDITIONS:

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49
Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	DATE
[signature]	OSC EPA	11/18/16

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD007336571	1	1-888-785-7225	009776309 FLE

GENERATOR

5. Generator's Name and Mailing Address
US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)
US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name: Smith Systems Transportation — U.S. EPA ID Number: NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors - Spring Grove Resource Recovery Inc
4879 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: 513-681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, UN1993, Waste Flammable liquids, n.o.s. (METHYL ETHYL KETONE,BARIUM), 3 , PGIII [Item 1.9]	002	DM	0850	P	D001 D005 D007 F005
X	2. RQ, UN1993, Waste Flammable liquids, n.o.s. (METHYL ETHYL KETONE,BARIUM), 3 , PGIII [Item 1.9]	001	TP	295	P	D001 D005 D007 F005
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Project Number 112105 Document #: D132310
1) ERG#128; ACT58302 USC- 2X55
2) ERG#128; ACT58302 USC- 1X330

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Guidry for EPA — Signature: [signature] — Month 11 Day 18 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jimmy Davis — Signature: [signature] — Month 11 Day 18 Year 16
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

LAND DISPOSAL RESTRICTION NOTIFICATION FORM FOR WASTES SUBJECT TO THE TREATMENT STANDARDS FOUND IN 40 CFR 268

GENERATOR NAME	MANIFEST NUMBER
US EPA REGION 6 / LANE PLATING SITE	009776309FLE

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
1	ACT58302 / ACT58302	F005			NWW	
		D005				
		D001				
		D007				

Line	TSD Approval #	Waste Code(s)	Subcategory	UHC'S	NWW or WW	Special Conditions
2	ACT58302 / ACT58302	F005			NWW	
		D005				
		D001				
		D007				

SPECIAL CONDITIONS:

A. Waste Requiring No Further Treatment
B. Lab Pack Waste Qualifying for Alternative Treatment und 40 CFR 268.40
C. Hazardous Waste Debris subject to standard treatment requirements, 40 CFR 268.40
D. Hazardous Waste Debris subject to alternative standards in 40 CFR 268 (list contaminants)
E. Waste Qualifying for Exemption and not subject to Land Disposal Restriction (Explain)
F. Characteristic waste that are subject to the treatment standards in 268.40 (other than those expressed as a required method of treatment) that are reasonably expected to contain underlying hazardous constituents as defined in 268.2(i); are treated on-site to remove hazardous characteristic; and are sent off-site for treatment underlying hazardous constituents (list constituents)
G. Characteristic wastes that contain underlying hazardous constituents as defined 268.2(i) that are treated on-site to remove the hazardous characteristic and the underlying hazardous constituents to levels in 268.48 Universal Treatment Standards.
H. For Chemical Manufacturers, Petroleum Refineries, Coke By-Product Facilities and RCRA TSDF handling wastes subject to 40 CFR 61 subpart FF ONLY. This waste is "Controlled Benzene Waste" which is subject to the notification requirements of 40 CFR subpart FF.
I. Certification for contaminated soil indicating the presence or absence of characteristic and / or listed hazardous wastes.
J. Certification for contaminated soil treated in accordance with 40 CFR 268.49
Waste analysis is attached where available; otherwise the information contained herin is based upon my thorough knowledge of the waste(s).

I hereby certify that I believe that the information I have submitted is true, accurate and complete.

SIGNATURE	TITLE	DATE
Ramy Lucio	OSC EPA	

*****ORIGINAL SIGNATURE PAGE TO ACCOMPANY MANIFEST*****

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	TXD007336571	1	1-888-785-7225	

GENERATOR

5. Generator's Name and Mailing Address

US EPA REGION 6 / LANE PLATING SITE
1445 ROSS AVENUE, STE 1200
DALLAS, TX 75202
Generator's Phone: (214) 232-7134

Generator's Site Address (if different than mailing address)

US EPA REGION 6 / LANE PLATING SITE
5322 BONNIE VIEW ROAD
DALLAS, TX 75241

6. Transporter 1 Company Name — U.S. EPA ID Number

Smith Systems Transportation — NED986382133

7. Transporter 2 Company Name — U.S. EPA ID Number

Advanced Chemical Transport, Inc (CO) — CAR000070540

8. Designated Facility Name and Site Address — U.S. EPA ID Number

TWIN ENVIRO SERVICES - PHANTOM LANDFILL
2500 FREMONT COUNTY ROAD 67
PENROSE, CO 81240
Facility's Phone: 719-372-6671

COR000208454

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-Hazardous Liquid (LATEX PAINT) [Item 1.19]	002	~~DM~~ DF	0190	P
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Project Number 112105 Document#: D132313

1) UST- 2x55

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Randy Landry For EPA — Signature: [signature] — Month: 11 Day: 18 Year: 16

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jimmy Davis — Signature: [signature] — Month: 11 Day: 18 Year: 16

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD007336571	1	1-800-7225	009776110 FLE

GENERATOR

5. Generator's Name and Mailing Address
USEPA REGION 6 / LANE Plating Site
1445 ROSS AVENUE STE 1200
Generator's Phone: (214) 232-7134 Dallas TX 75202

Generator's Site Address (if different than mailing address)
USEPA REGION 6/LANE PLATING SITE
5322 BONNIE VIEW RD
DALLAS TX 75241

6. Transporter 1 Company Name
Smith Systems Transportation
U.S. EPA ID Number
NED 986382133

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN HARBORS DEER TRAIL LANDFILL
10855 E US Highway 36
Facility's Phone: Deer Trail Co. 80105 (970)386-213
U.S. EPA ID Number
COD 991300484

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ X	1. UN3077 WASTE ENVIRONMENTALLY HAZARDOUS, Substances Solid, N.O.S (Silver) 9 PGIII [Item 1.2]	002	CF	03000	P	D011	F006	F019
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1) ERG # 171 ACT 59296

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Randy Smith For EPA
Signature:
Month 11 Day 18 Year 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Jimmy Davis
Signature:
Month 11 Day 18 Year 16
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
LAND DISPOSAL RESTRICTION FORM LDR-1

MANIFEST NO 009776110 FLE

SECTION III. CALIFORNIA LIST WASTES

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
_____	Hazardous waste containing one or more of the following California List constituents:	[ ] WW [ ] Non-WW	1 2 3 (4) 6

[ ] ALL CALIFORNIA LIST CONSTITUENTS
[ ] Liquids with nickel greater than or equal to 134 mg/l
[ ] Liquids with thallium greater than or equal to 130 mg/l
[ ] Liquids with PCB's > or = 50 ppm
[ ] Waste containing HOC's > or = 1,000 mg/kg

SECTION IV. OTHER LISTED WASTES (F006-12, F019-F028, F037-38, F039, K-, U-, AND P-CODES)

COLUMN 1: LINE ITEM SEE MANIFEST	COLUMN 2: WASTE CODE / SUBCATEGORY	COLUMN 3: WASTEWATER/ NON-WASTEWATER	COLUMN 4: HANDLING CODE
1	F006	[ ] WW [X] Non-WW	3 (4) 5 6
1	F019	[ ] WW [X] Non-WW	3 (4) 5 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6
_____	_____	[ ] WW [ ] Non-WW	3 4 5 6

[ ] CHECK HERE IF ADDITIONAL LISTED WASTE CODES ARE PRESENT. COMPLETE AND ATTACH LDR-1 CONTINUATION SHEET.
[ ] CHECK HERE IF WASTE CODE F039 (MULTISOURCE LEACHATE) IS PRESENT. IDENTIFY F039 CONSTITUENTS BY COMPLETING SECTIONS II AND IV OF CHI FORM LDR-1 ADDENDUM AND ATTACH COMPLETED ADDENDUM TO THIS FORM.

SECTION V. CONTACT NAME AND DATE

Print Name: Randy Lividay For EPA Date: 11/18/16

KEY TERMS/DEFINITIONS

CLASS I SDWA SYSTEM means a Class I deep well facility regulated under the Safe Drinking Water Act (SDWA).

CWA SYSTEM means a centralized wastewater treatment facility discharging under a Clean Water Act (CWA) permit. For example, a CWA facility would treat organic or inorganic aqueous wastes and discharge the treated effluent to the local sewer system. Examples of CWA treatment systems owned and operated by Clean Harbors include the wastewater treatment operations at Baltimore (including the CES system), Bristol, Chicago, Cincinnati and Cleveland.

CWA-EQUIVALENT SYSTEM means a "zero discharge system" that engages in "CWA-equivalent" treatment before land disposal. Zero-discharge facilities treat hazardous wastes using "CWA-equivalent" treatment methods, but do not discharge the treatment effluent to a sewer or water body (e.g., spray irrigation land farm). "CWA-equivalent" treatment methods means biological treatment for organics, alkaline chlorination, or ferrous sulfate precipitation for cyanide, precipitation/ sedimentation for metals, reduction of hexavalent chromium, or other treatment technology that can be demonstrated to perform equally or greater than these technologies.

HIGH TOC IGNITABLE LIQUIDS SUBCATEGORY means an ignitable liquid hazardous waste (waste code D001) which contains greater than or equal to 10% total organic carbon (TOC). Pursuant to 40 CFR 268.40, such wastes must be treated using organic recovery (RORGS) or combustion (CMBST) technology. Examples of RORGS technologies include the CES unit at Clean Harbors of Baltimore. Examples of CMBST technologies include hazardous waste fuel blending and subsequent reuse at a cement kiln, or destruction at a RCRA incinerator.

WASTEWATERS are wastes that contain less than 1% by weight total organic carbon (TOC) and less than 1% by weight total suspended solids (TSS). [See 40 CFR 268.2(f)]

APPENDIX D

POLLUTION REPORTS

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Lane Plating Works - Removal Polrep
Initial Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #1**
Lane Plating Works
A6MS
Dallas, TX

To: Reggie Cheatham, EPA
Anthony Buck, TCEQ
Ronnie Crossland, USEPA Region 6
Mark Hayes, USEPA R6

From: William Rhotenberry, FOSC
Date: 4/27/2016
Reporting Period: April 2016

1. Introduction

1.1 Background

Site Number:	A6MS	**Contract Number:**	
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	4/12/2016	**Start Date:**	4/12/2016
Demob Date:	4/14/2016	**Completion Date:**	4/14/2016
CERCLIS ID:	TXN000605240	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

1.1.2.1 Location

The site is located in Dallas, Dallas County, Texas (32.6878557°N latitude, 96.7692897°W longitude) within a mixed commercial/residential area. The site encompasses approximately 4.655 acres according to the Dallas County Appraisal District.

A barbed wire fence and locked chain-link fence surrounds the property, and the building is locked with the windows boarded up; there is no access possible except by key at the locked gate. Site topography and surface water drainage appears to slope to the south-southeast.

1.1.2.2 Description of Threat

Lane Plating is an abandoned electroplating facility that currently contains an unknown number of drums, tanks, and vats containing electroplating wastes that ceased operations in 2015. After filing bankruptcy in late 2015, Lane Plating is now controlled by Stag Management, Inc. a court-appointed trustee. Electroplating process wastes include acids, bases, flammables, oxidizers, chromium-containing solids (sludge), and liquids, and other non-hazardous solids and liquids.

The site presents concerns in regards to public health and the environment. Based on the site history and current site conditions. The chemicals utilized in the electroplating process contain hazardous substances, contaminants and/or pollutants that potentially have impacted on-site soils. The contaminants of concern for the site are, but not limited to, cyanides, chromium, cadmium, lead, arsenic as well as other non-hazardous substances associated with electroplating processes.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On November 4, 2015, the Texas Commission on Environmental Quality (TCEQ) conducted a preliminary investigation of the site.

On November 19, 2015, TCEQ representatives met with their Emergency Response Contractor (SWS) at the site to develop a scope of work/work-plan to provide site security to prevent unauthorized access to the building, to provide haz-cat analysis and chemical characterization of chemicals in the onsite lab as well as re-packaging of select chemicals for disposal.

On December 1, 2015, SWS personnel mobilized to the site to stage poly totes for storing chromic acid wastes to be removed from the two main sump areas located in the facility.

On December 3, 2015, SWS personnel mobilized to the site to initiate the removal of chromic acid wastes from the two sumps and to conduct the haz-cat identification, lab-pack and over-packing of select

chemicals at the site. The wastes were pumped into 300 gallon poly totes staged adjacent to the sump/chrome tank and at the east loading dock. All chemical contents in the containers in the lab were identified and labeled for future disposal. The removal of the chromic acid from the main sump and the sump beneath the tank was continued and completed on December 7, 2015.

On December 18, 2015, six containers of cyanide containing materials were transported for disposal at the Chemical Reclamation Services Facility in Avalon, TX.

On March 17, 2016, 2016, TCEQ contacted EPA requesting EPA assistance with the site. Soil sampling and the sampling of liquids contained in totes previously pumped from the sump tanks below the plating areas have been conducted and are currently awaiting analyses.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On April 12, 2016, composite five-point soil sampling activities were conducted within thirty-seven 50 by 50 foot grids along the exterior of the facility. Within each grid, sample aliquots were collected from each corner and from the center of the grid at a depth of 0 to 6 inches below ground surface (bgs). The aliquots were then combined and containerized as a composite sample.

On April 13, 2016, five biased grab soil samples were collected in areas previously identified by TCEQ to have elevated concentrations of lead and chromium along the southeastern part of the site. In addition to the soil samples collected, three aqueous waste samples plus a duplicate and MS/MSD were collected using coliwasa tube samplers from within the building. Two samples were taken from the 300 gallon totes containing chromic acid waste from each of the two sumps and the other sample was taken from a rinse water tank.

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

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

Review the results of the samples collected and determine if a Removal Action is warranted at the Site.

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

No information available at this time.

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
Lane Plating Works - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #2**
Lane Plating Removal Assessment Phase II
Lane Plating Works
A6MS
Dallas, TX

To: Reggie Cheatham, EPA
Anthony Buck, TCEQ
Ronnie Crossland, USEPA Region 6
Mark Hayes, USEPA R6

From: Mark Hayes, FOSC
Date: 10/4/2016
Reporting Period: SEPTEMBER 2016

1. Introduction

1.1 Background

Site Number:	A6MS	**Contract Number:**	EP-W-06-042
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	9/19/2016	**Start Date:**	9/19/2016
Demob Date:	9/23/2016	**Completion Date:**	9/23/2016
CERCLIS ID:	TXN000605240	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

1.1.2.1 Location

The site is located in Dallas, Dallas County, Texas (32.6878557°N latitude, 96.7692897°W longitude) within a mixed commercial/residential area. The site encompasses approximately 4.655 acres according to the Dallas County Appraisal District.

A barbed wire fence and locked chain-link fence surrounds the property, and the building is locked with the windows boarded up; there is no access possible except by key at the locked gate. Site topography and surface water drainage appears to slope to the south-southeast.

1.1.2.2 Description of Threat

Lane Plating is an abandoned electroplating facility that currently contains an unknown number of drums, tanks, and vats containing electroplating wastes that ceased operations in 2015. After filing bankruptcy in late 2015, Lane Plating is now controlled by Stag Management, Inc. a court-appointed trustee. Electroplating process wastes include acids, bases, flammables, oxidizers, chromium-containing solids (sludge) and liquids, and other non-hazardous solids and liquids.

The site presents concerns in regards to public health and the environment. Based on the site history and current site conditions. The chemicals utilized in the electroplating process contain hazardous substances, contaminants and/or pollutants that potentially have impacted on-site soils. The contaminants of concern for the site are, but not limited to, cyanides, chromium, cadmium, lead, arsenic as well as other non-hazardous substances associated with electroplating processes.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On 4 November, 2015, the Texas Commission on Environmental Quality (TCEQ) conducted a preliminary investigation of the site.

On 19 November, 2015, TCEQ representatives met with their Emergency Response Contractor (SWS) at the site to develop a scope of work/work-plan to provide site security to prevent unauthorized access to the building, to provide haz-cat analysis and chemical characterization of chemicals in the onsite lab as well as re-packaging of select chemicals for disposal.

On 1 December, 2015, SWS personnel mobilized to the site to stage poly totes for storing chromic acid wastes to be removed from the two main sump areas located in the facility.

On 3 December, 2015, SWS personnel mobilized to the site to initiate the removal of chromic acid wastes from the two sumps and to conduct the haz-cat identification, lab-pack and over-packing of select

chemicals at the site. The wastes were pumped into 300 gallon poly totes staged adjacent to the sump/chrome tank and at the east loading dock. All chemical contents in the containers in the lab were identified and labeled for future disposal. The removal of the chromic acid from the main sump and the sump beneath the tank was continued and completed on 7 December, 2015.

On 18 December, 2015, six containers of cyanide containing materials were transported for disposal at the Chemical Reclamation Services Facility.

On 17 March, 2016, TCEQ contacted EPA requesting EPA assistance with the removal assessment..

On 12 April, 2016, composite five-point soil sampling activities were conducted within thirty-seven 50 by 50 foot grids along the exterior of the facility by the EPA Team. Within each grid, sample aliquots were collected from each corner and from the center of the grid at a depth of 0 to 6 inches below ground surface (bgs). The aliquots were then combined and containerized as a composite sample.

On 13 April, 2016, five biased grab soil samples were collected by the EPA Team in areas previously identified by TCEQ to have elevated concentrations of lead and chromium along the southeastern part of the site. In addition to the soil samples collected, three aqueous waste samples plus a duplicate and MS/MSD were collected using coliwasa tube samplers from within the building. Two samples were taken from the 300 gallon totes containing chromic acid waste from each of the two sumps and the other sample was taken from a rinse water tank.

A total of 36 soil samples and 4 liquid waste samples were collected by the EPA Team to determine the nature and extent of site-related, hazardous constituents associated with electroplating waste (plating waste) in on-site soils, and to verify if liquids, contained in an unknown number of drums and totes, were considered hazardous substances. Soil samples were submitted for analysis of Metals and Hexavalent Chromium [Cr (VI)]. Liquid waste samples were submitted for analysis of Metals, Hexavalent Chromium [Cr (VI)], Corrosivity (pH), and Sulfide and Cyanide Reactivity. Soil analytical data was compared to the EPA Regional Screening Levels (RSLs), Industrial Soil (THQ = 1.0), May 2016. The liquid waste characterization results were compared to 40 CFR Part 261.

Based on the analytical results, hexavalent chromium, lead, and mercury contaminated soil was present around the footprint of the building. Hexavalent chromium was reported in 17 grids exceeding the EPA RSL of 6.3 mg/Kg. Hexavalent chromium contaminated soil ranged in concentration from 167 mg/Kg (Grid E7) to 5,620 mg/Kg (Grid G7). Lead exceeded the EPARSL of 800 mg/Kg in six grids. Mercury was observed above instrument detection limits in several grids but only exceeded in one grid above the EPA RSL of 46 mg/Kg.

Four liquid waste samples were collected from two on-site totes and one tank labeled as a “rinse water tank” and analyzed to confirm the presence of hazardous substances. Based on the laboratory results, the liquid waste by definition is hazardous due to the characteristic of corrosivity with a pH less than 2. Concentrations ranged from 0.6 to 2.15. Total chromium present in the liquid samples ranged from 105,000 mg/Kg to 296,000 mg/Kg.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 19 September, 2016, the EPA Team returned to the site to conduct additional sampling to further characterize the property and to further determine the nature and extent of site-related hazardous constituents associated with electroplating waste (plating waste) in on-site soils.

From 20 September through 23 September, 2016, the EPA Team collected composite five-point soil samples from within approximately 72 grids. Samples were collected at three depth intervals: 0 to 6 inches below ground surface (bgs), 6 to 12 inches bgs, and 12 to 18 inches bgs. Soil samples were submitted for analysis of Metals and Hexavalent Chromium [Cr (VI)].

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

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

- Conduct data validation on samples submitted for analysis.
- Mobilize to the site and begin waste characterization of liquid waste found in various totes, drums, and buckets within the facility. Consolidate remaining liquid waste into appropriate containers.
- Remove waste containers from within the facility and transport to an authorized facility for

final disposal.

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

No information available at this time.

4. Personnel On Site

19 September, 2016

- START – 1
- Driller – 1
- Utility Locate – 1

20 September, 2016

- EPA OSC – 1
- START – 3
- Driller – 2

21 September, 2016

- EPA OSC – 1
- START – 3
- Driller - 2

22 September, 2016

- EPA OSC – 1
- START – 3
- Driller – 2

23 September, 2016

- EPA OSC – 1
- START – 3
- Driller – 2

4 October, 2016

- EPA OSC – 2
- START – 1
- Response Manager – 1
- ERRS – 3

5. Definition of Terms

bbls – barrels

EPA – Environmental Protection Agency

ERRS – Emergency and Rapid Response Services

LRV – Logistics Response Vehicle

NOI - Notice of Federal Interest

OSC – On-Scene Coordinator

PRP – Potentially Responsible Parties

START – Superfund Technical Assessment and Response Team

TCEQ - Texas Commission on Environmental Quality

yd3 – cubic yard

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/laneplating

6.2 Reporting Schedule

7. Situational Reference Materials

For additional information, please refer to “Documents” on www.epaosc.org/CobbWellSite.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Lane Plating Works - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #3**
Progress
Lane Plating Works
A6MS
Dallas, TX

To: Reggie Cheatham, EPA
Anthony Buck, TCEQ
Ronnie Crossland, USEPA Region 6
Mark Hayes, USEPA R6

From: Mark Hayes, FOSC
Date: 10/19/2016
Reporting Period: October 3, 2016 through October 18, 2016

1. Introduction

1.1 Background

Site Number:	A6MS	**Contract Number:**	EP-W-06-042
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	10/3/2016	**Start Date:**	10/4/2016
Demob Date:	10/19/2016	**Completion Date:**	10/18/2016
CERCLIS ID:	TXN000605240	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

1.1.2.1 Location

The site is located in Dallas, Dallas County, Texas (32.6878557°N latitude, 96.7692897°W longitude) within a mixed commercial/residential area. The site encompasses approximately 4.655 acres according to the Dallas County Appraisal District.

A barbed wire fence and locked chain-link fence surrounds the property, and the building is locked with the windows boarded up; there is no access possible except by key at the locked gate. Site topography and surface water drainage appears to slope to the south-southeast.

1.1.2.2 Description of Threat

Lane Plating is an abandoned electroplating facility that currently contains an unknown number of drums, tanks, and vats containing electroplating wastes that ceased operations in 2015. After filing bankruptcy in late 2015, Lane Plating is now controlled by Stag Management, Inc. a court-appointed trustee. Electroplating process wastes include acids, bases, flammables, oxidizers, chromium-containing solids (sludge) and liquids, and other non-hazardous solids and liquids.

The site presents concerns in regards to public health and the environment. Based on the site history and current site conditions. The chemicals utilized in the electroplating process contain hazardous substances, contaminants and/or pollutants that potentially have impacted on-site soils. The contaminants of concern for the site are, but not limited to, cyanides, chromium, cadmium, lead, arsenic as well as other non-hazardous substances associated with electroplating processes.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On 4 November 2015, the Texas Commission on Environmental Quality (TCEQ) conducted a preliminary investigation of the site.

On 19 November 2015, TCEQ representatives met with their Emergency Response Contractor (SWS) at the site to develop a scope of work/work-plan to provide site security to prevent unauthorized access to the building, to provide haz-cat analysis and chemical characterization of chemicals in the onsite lab as well as re-packaging of select chemicals for disposal. On 1 December 2015, SWS personnel mobilized to the site to stage poly totes for storing chromic acid wastes to be removed from the two main sump areas located in the facility.

On 3 December 2015, SWS personnel mobilized to the site to initiate the removal of chromic acid wastes from the two sumps and to conduct the haz-cat identification, lab-pack and over – packing of select chemicals at the site. The wastes were pumped into 300 gallon poly totes staged adjacent to the

sump/chrome tank and at the east loading dock. All chemical contents in the containers in the lab were identified and labeled for future disposal. The removal of the chromic acid from the main sump and the sump beneath the tank was continued and completed on 7 December 2015.

On 18 December 2015, six containers of cyanide containing materials were transported for disposal at the Chemical Reclamation Services Facility.

On 17 March 2016, TCEQ contacted EPA requesting EPA assistance with the removal assessment.

On 12 April 2016, composite five-point soil sampling activities were conducted within thirty-seven 50 by 50 foot grids along the exterior of the facility by the EPA Team. Within each grid, sample aliquots were collected from each corner and from the center of the grid at a depth of 0 to 6 inches below ground surface (bgs). The aliquots were then combined and containerized as a composite sample.

On 13 April 2016, five biased grab soil samples were collected by the EPA Team in areas previously identified by TCEQ to have elevated concentrations of lead and chromium along the southeastern part of the site. In addition to the soil samples collected, three aqueous waste samples plus a duplicate and MS/MSD were collected using coliwasa tube samplers from within the building. Two samples were taken from the 300 gallon totes containing chromic acid waste from each of the two sumps and the other sample was taken from a rinse water tank.

A total of 36 soil samples and 4 liquid waste samples were collected by the EPA Team to determine the nature and extent of site-related, hazardous constituents associated with electroplating waste (plating waste) in on-site soils, and to verify if liquids, contained in an unknown number of drums and totes, were considered hazardous substances. Soil samples were submitted for analysis of Metals and Hexavalent Chromium [Cr (VI)]. Liquid waste samples were submitted for analysis of Metals, Hexavalent Chromium [Cr (VI)], Corrosivity (pH), and Sulfide and Cyanide Reactivity. Soil analytical data was compared to the EPA Regional Screening Levels (RSLs), Industrial Soil (THQ = 1.0), May 2016. The liquid waste characterization results were compared to 40 CFR Part 261.

Based on the analytical results, hexavalent chromium, lead, and mercury contaminated soil was present around the footprint of the building. Hexavalent chromium was reported in 17 grids exceeding the EPA RSL of 6.3 mg/Kg. Hexavalent chromium contaminated soil ranged in concentration from 167 mg/Kg (Grid E7) to 5,620 mg/Kg (Grid G7). Lead exceeded the EPARSL of 800 mg/Kg in six grids. Mercury was observed above instrument detection limits in several grids but only exceeded in one grid above the EPA RSL of 46 mg/Kg.

Four liquid waste samples were collected from two on-site totes and one tank labeled as a “rinse water tank” and analyzed to confirm the presence of hazardous substances. Based on the laboratory results, the liquid waste by definition is hazardous due to the characteristic of corrosivity with a pH less than 2. Concentrations ranged from 0.6 to 2.15. Total chromium present in the liquid samples ranged from 105,000 mg/Kg to 296,000 mg/Kg.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 19 September 2016, the EPA Team returned to the site to conduct additional sampling (Phase II) to further characterize the property and to further determine the nature and extent of site-related hazardous constituents associated with electroplating waste (plating waste) in on-site soils.

From 20 September through 23 September 2016, the EPA Team collected composite five-point soil samples from within approximately 72 grids. Samples were collected at three depth intervals: 0 to 6 inches below ground surface (bgs), 6 to 12 inches bgs, and 12 to 18 inches bgs. Soil samples were submitted for analysis of Metals and Hexavalent Chromium [Cr (VI)]. A total 216 samples (192 normal, 20 duplicate, and 4 equipment) were collected during this sampling event. Samples collected at the 6 to 12 inch interval were placed on hold pending analytical results from the 0 to 6 inch and 12 to 18 inch interval.

Based on the analytical results, hexavalent chromium, lead, and mercury contaminated soil was present around the footprint of the building. Hexavalent chromium was reported in three grids exceeding the EPA RSL of 6.3 mg/Kg. Hexavalent chromium contaminated soil ranged in concentration from 9.69 mg/Kg (Grid H4 at a depth of 18 inches) to 203 mg/Kg (Grid E6 at a depth of 6 inches). Lead exceeded the EPA RSL of 800 mg/Kg in one grid at a concentration of 3740 mg/Kg (E6 at a depth of 6 inches). Mercury was reported in two grids exceeding the EPA RSL of 46 mg/Kg, ranging from 46.2 mg/Kg (I10 at a depth of 6 inches) to 77.8 mg/Kg (E6 at a depth of 6 inches).

Due to analytical results that exceeded EPA RSLs, the laboratory was instructed by the EPA Team to analyze the 6 to 12 inch interval for grids C2, D2, D6, E6, D7, F1, F7, G5, G7, and I10.

On 3 October 2016, the EPA Team returned to the site to begin waste characterization of liquid waste found in various totes, drums, and buckets within the facility, and to consolidate remaining liquid waste into appropriate containers. From 4 October through 18 October 2016, ERRS contractors conducted the haz-cat identification of approximately 153 containers. Drums and containers were grouped by waste streams and compatibility for future transport and disposal at an authorized facility. In addition to consolidating waste streams, vats and sumps were pumped of their contents and transferred into compatible containers.

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

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

- Continue to conduct data validation on samples submitted for analysis.
- Remove waste containers from within the facility and transport to an authorized facility for final disposal. Tentatively scheduled 14 November 2016.

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

No information available at this time.

4. Personnel On Site

19 September 2016

- START – 1
- Driller – 1
- Utility Locate – 1

20 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

21 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

22 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

23 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

4 October 2016

- EPA OSC – 2
- START – 1
- Response Manager – 1
- ERRS – 3

5 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

6 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

7 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

8 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

9 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

10 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

11 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

12 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

13 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

14 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

15 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

16 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1

- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

17 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

5. Definition of Terms

- bbls – barrels
- EPA – Environmental Protection Agency
- ERRS – Emergency and Rapid Response Services
- LRV – Logistics Response Vehicle
- NOI - Notice of Federal Interest
- OSC – On-Scene Coordinator
- PRP – Potentially Responsible Parties
- START – Superfund Technical Assessment and Response Team
- TCEQ - Texas Commission on Environmental Quality
- yd3 – cubic yard

6. Additional sources of information

6.1 Internet location of additional information/report
www.epaosc.org/laneplating

6.2 Reporting Schedule

7. Situational Reference Materials

For additional information, please refer to “Documents” on www.epaosc.org/laneplating.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Lane Plating Works - Removal Polrep

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: **POLREP #4**
Progress - Removal Action
Lane Plating Works
A6MS
Dallas, TX

To: Reggie Cheatham, EPA
Anthony Buck, TCEQ
Ronnie Crossland, USEPA Region 6
Mark Hayes, USEPA R6

From: Mark Hayes, FOSC
Date: 11/22/2016
Reporting Period: 14 November - 18 November 2016

1. Introduction

1.1 Background

Site Number:	A6MS	**Contract Number:**	EP-W-06-042
D.O. Number:		**Action Memo Date:**	
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Assessment
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	11/14/2016	**Start Date:**	11/14/2016
Demob Date:	11/18/2016	**Completion Date:**	11/18/2016
CERCLIS ID:	TXN000605240	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

1.1.2 Site Description

1.1.2.1 Location

The site is located in Dallas, Dallas County, Texas (32.6878557°N latitude, - 96.7692897˚ W longitude) within a commercial/residential area. The site encompasses approximately 4.655 acres according to the Dallas County Appraisal District. _

A barbed wire fence and locked chain-link fence surrounds the property, and the building is locked with the windows boarded up; there is no access except by key at the locked gate. Site topography and surface water drainage appears to slope to the south-southeast.

1.1.2.2 Description of Threat

Lane Plating is an abandoned electroplating facility that contained an unknown number of drums, tanks and vats containing electroplating wastes that ceased operations in 2015. After filing bankruptcy in late 2015, Lane Plating is now controlled by Stag Management, Inc. a court-appointed trustee. Electroplating process wastes include acids, bases, flammables, oxidizers, chromium-containing solids (sludge), and liquids, and Resources Conservation Recovery Act (RCRA) nonhazardous solids and liquids.

The site presents concerns in regards to public health and the environment. Based on the site history and site conditions. The chemicals utilized in the electroplating process contain hazardous substances, contaminants and/or pollutants that potentially have impacted on-site soils. The contaminants of concern for the site are, but not limited to, cyanides, chromium, cadmium, lead and other hazardous substances associated with electroplating the plating process.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On 4 November 2015, the Texas Commission on Environmental Quality (TCEQ) conducted a preliminary investigation of the site.

On 19 November 2015, TCEQ representatives met with their Emergency Response Contractor (SWS) at the site to develop a scope of work/work-plan to provide site security to prevent unauthorized access to the building, to provide haz-cat analysis and chemical characterization of chemicals in the onsite lab as well as re-packaging of select chemicals for disposal. On 1 December 2015, SWS personnel mobilized to the site to stage poly totes for storing chromic acid wastes to be removed from the two main sump areas located in the facility.

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sump/chrome tank and at the east loading dock. All chemical contents in the containers in the lab were identified and labeled for future disposal. The removal of the chromic acid from the main sump and the sump beneath the tank was continued and completed on 7 December 2015.

On 18 December 2015, six containers of cyanide containing materials were transported for disposal at the Chemical Reclamation Services Facility.

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A total of 36 soil samples and 4 liquid waste samples were collected by the EPA Team to determine the nature and extent of site-related, hazardous constituents associated with electroplating waste (plating waste) in on-site soils, and to verify if liquids, contained in an unknown number of drums and totes, were considered hazardous substances. Soil samples were submitted for analysis of Metals and Hexavalent Chromium [Cr (VI)]. Liquid waste samples were submitted for analysis of Metals, Hexavalent Chromium [Cr (VI)], Corrosivity (pH), and Sulfide and Cyanide Reactivity. Soil analytical data was compared to the EPA Regional Screening Levels (RSLs), Industrial Soil (THQ = 1.0), May 2016. The liquid waste characterization results were compared to 40 CFR Part 261.

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On 19 September 2016, the EPA Team returned to the site to conduct additional sampling (Phase II) to further characterize the property and to further determine the nature and extent of site-related hazardous constituents associated with electroplating waste (plating waste) in on-site soils.

From 20 September through 23 September 2016, the EPA Team collected composite five-point soil samples from within approximately 72 grids. Samples were collected at three depth intervals: 0 to 6 inches below ground surface (bgs), 6 to 12 inches bgs, and 12 to 18 inches bgs. Soil samples were submitted for analysis of Metals and Hexavalent Chromium [Cr (VI)]. A total 216 samples (192 normal, 20 duplicate, and 4 equipment) were collected during this sampling event. Samples collected at the 6 to 12 inch interval were placed on hold pending analytical results from the 0 to 6 inch and 12 to 18 inch interval.

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Due to analytical results that exceeded EPA RSLs, the laboratory was instructed by the EPA Team to analyze the 6 to 12 inch interval for grids C2, D2, D6, E6, D7, F1, F7, G5, G7, and I10.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On 3 October 2016, the EPA Team returned to the site to begin waste characterization of liquid waste found in various totes, drums, and buckets within the facility, and to consolidate remaining liquid waste into appropriate containers. From 4 October through 18 October 2016, ERRS contractors conducted the haz-cat identification of approximately 153 containers. Drums and containers were grouped by waste streams and compatibility for future transport and disposal at an authorized facility. In addition to consolidating waste streams, vats and sumps were pumped of their contents and transferred into compatible containers. Waste stream inventory included the following:

- Cyanide (CN) Solution
    - 23 x 55 gallon drums
    - 1 x 275 gallon tote
- Cyanide (CN) Solids
    - 2 x 55 gallon drums
- Acid/Oxidizer (chromic acid)
    - 21 x 55 gallon drums

- 39 x 275 gallon totes
- 1 x 330 gallon tote

· Acid/Oxidizer sludges (chromic acid sludges and solids)
- 22 x 55 gallon drums
- 1 x 95 gallon overpack
- 1 x cubic yard box (bricks from vat bottom)

· Sulfuric Acid
- 2 x 55 gallon drums
- 9 x 30 gallon drums

· Flammable Paint
- 2 x 55 gallon drum loose pack

· Latex paint
- 2 x 55 gallon drum loose pack

· Flammable Aerosol
- 2 x 5 gallon pails

· Acid Solids
- 2 x 55 gallon drums

· Acid Liquids
- 4 x 55 gallon drums

· Neutral Liquids
- 1 x 275 gallon tote
- 9 x 55 gallon drums

· Neutral Solids
- 2 x cubic yard boxes

· Elemental Mercury
- 1 x 5 gallon pail

· Waste Oil
- 2 x 55 gallon steel drums
- 1 x 330 gallon tote

· Waste Oil Filters
- 1 x 55 gal steel drum

· Flammable Liquids
- 1 x 55 gallon steel drum

· Caustic Solids
- 4 x 55 gallon drums
- 1 x cubic yard box

· Caustic Liquids
- 12 x 55 gallon drums
- 1 x 30 gallon drum (ammonia hydroxide)

· Soil
- 12 x cubic yard bulk bags
- 2 x 55 gallon drums

From 14 October through 18 October 2016, the EPA Team returned to the site to remove waste containers for transportation at an authorized facility for final disposal.

· 16 November 2016
- Manifest 009776314 – Clean Harbors Deer Trail Landfill, Deer Trail, CO
  - § RQ, UN1755, Waste Chromic acid solution - 15 Portable Tanks (TP)

· 17 November 2016
- Manifest 009776315 – Clean Harbors Deer Trail Landfill, Deer Trail, CO

- § RQ, UN1755, Waste Chomic acid solution – 14 Portable Tanks (TP)
- § RQ, UN1755, Waste Chomic acid solution – 3 Fiber/Plastic Drums (DF)

- o Manifest 009776316 – Clean Harbors Deer Trail Landfill, Deer Trail, CO
  - § RQ, UN1755, Waste Chomic acid solution – 11 Portable Tanks (TP)
  - § UN3077, Waste Solid N.O.S. (contaminated soil) – 5 Burlap Sack (BA)

· 17 November 2016

- o Manifest 009776313 – Clean Harbors Deer Trail Landfill, Deer Trail, CO
  - § UN3077, Waste Solid N.O.S. (contaminated soil) – 7 Burlap Sack (BA)
  - § UN3082, Waste Liquid N.O.S. (Cadmium/Chromium) – 1 Portable Tanks (TP)
  - § UN3077, Waste Solid N.O.S. (Chromium) – 9 CF
  - § UN3077, Waste Solid N.O.S. (Contaminated Soil) – 2 Fiber/Plastic Drums (DF)
  - § UN3262, Waste Corrosive Solid, Basic (Sodium Hydroxide) – 1 Fiber/Plastic Box (CF)

· 17 November 2016

- o Manifest 009776310 – Veolia ES Technical Solution, Henderson, CO
  - § UN3506, Waste Mercury – 1 Fiber/Plastic Drum (DF)
- o Manifest 009776307 – Clean Harbors Deer Trail Landfill, Deer Trail, CO
  - § UN3260, Waste Corrosive Solid, Acidic, N.O.S. (Sulfuric Acid/Cadmium) – 2 Fiber/Plastic Drums (DF)
  - § UN3262, Waste Corrosive Solid, Basic, N.O.S. (Sodium Hydroxide/Cadmium) – 4 Fiber/Plastic Drums (DF)
  - § UN3264, Waste Corrosive Liquid, Acidic (Hydrochloric Acid, Sulfuric Acid) – 4 Fiber/Plastic Drums (DF)
  - § UN3082, Waste Liquid, N.O.S. (Cadmium/Chromium) – 9 Fiber/Plastic Drums (DF)
  - § UN3082, Waste Liquid, N.O.S. (Cadmium/Chromium) – 1 Fiber/Plastic Drums (DF)
  - § UN1755, Waste Chromic Acid Solution – 18 Fiber/Plastic Drums (DF)
  - § UN1755, Waste Chromic Acid Solution – 22 Fiber/Plastic Drums (DF)
  - § UN1755, Waste Chromic Acid Solution – 1 Fiber/Plastic Drums (DF)
  - § UN1830, Waste Sulfuric Acid – 9 Fiber/Plastic Drums (DF)
  - § UN1830, Waste Sulfuric Acid – 2 Fiber/Plastic Drums (DF)
  - § Non-RCRA hazardous Waste Solid (Oil Filters) – 1 Fiber/Plastic Drums (DF)
  - § UN3260 Waste Corrosive Solid, Acidic (ChromiC Acid) – 2 Fiber/Plastic Box (CF)

· 18 November 2016

- o Manifest 009776312 – Clean Harbors La Porte, La Porte, TX
  - § UN1001, Acetylene, Dissolved – 1 Cylinder (CY)
- o Manifest 009776308 – Clean Harbors Environmental Services, Kimball, NE
  - § UN1993, Waste Flammable Liquids, N.O.S. (Methyl Ethyl Ketone) – 1 Metal Drum (DM)
  - § UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide) – 12 Fiber/Plastic Drums (DF)
  - § UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide) – 1 Fiber/Plastic Drums (DF)
  - § UN2922, Waste Corrosive Liquids, N.O.S. (Sodium Hydroxide/Sodium Cyanide) – 23 Fiber/Plastic Drums (DF)
- o Manifest 009776309 – Clean Harbors Spring Grove Resource Recovery, Cincinnati, OH
  - § UN1993, Waste flammable Liquids, N.O.S. (Methyl Ethyl Ketone) – 2 Metal Drum (DM)
  - § UN1993, Waste flammable Liquids, N.O.S. (Methyl Ethyl Ketone) – 1 Metal Drum (DM)
- o Manifest 009776110 – Clean Harbor Deer Trail Landfill, Deer Trail, CO
  - § UN3077, Waste Solid, N.O.S. (Silver) – 2 Fiber/Plastic Box (CF)
- o Non-Hazardous Waste Manifest – Twin Enviro Services Phantom Landfill, Penrose, CO
  - § Non-Hazardous Liquid (Latex Paint) – 2 Fiber/Plastic Drums (DF)

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

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

- Continue to conduct data validation on samples submitted for analysis.
- Complete Removal Assessment Reports

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

No information available at this time.

4. Personnel On Site

19 September 2016

- START – 1
- Driller – 1
- Utility Locate – 1

20 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

21 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

22 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

23 September 2016

- EPA OSC – 1
- START – 3
- Driller – 2

4 October 2016

- EPA OSC – 2
- START – 1
- Response Manager – 1
- ERRS – 3

5 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

6 October 2016

- EPA OSC – 1
- START – 1

- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

7 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

8 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

9 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

10 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

11 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

12 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

13 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

14 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

15 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1

- Machine Operator – 1
- Accountant – 1

16 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

17 October 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 3
- Chemist – 1
- Machine Operator – 1
- Accountant – 1

14 November 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 2
- Machine Operator – 1

15 November 2016

- EPA OSC – 1
- START – 1
- Response Manager – 1
- ERRS – 2
- Machine Operator – 1

16 November 2016

- EPA OSC – 2
- START – 1
- Response Manager – 1
- ERRS – 2
- Machine Operator – 1

17 November 2016

- EPA OSC – 2
- START – 1
- Response Manager – 1
- ERRS – 2
- Machine Operator – 1

18 November 2016

- EPA OSC – 2
- START – 1
- Response Manager – 1
- ERRS – 2
- Machine Operator – 1

5. Definition of Terms

- BA – Burlap, cloth, paper, or plastic bags
- bbls – barrels
- CF - Fiber or plastic boxes, cartons, cases
- CM - Metal boxes, cartons, cases (including roll-offs)
- CY – Cylinders
- DF - Fiberboard or plastic drums, barrels, kegs
- DM - Metal drums, barrels, kegs
- EPA – Environmental Protection Agency
- ERRS – Emergency and Rapid Response Services
- LRV – Logistics Response Vehicle
- NOI - Notice of Federal Interest
- N.O.S. – Not Otherwise Specified
- OSC – On-Scene Coordinator

- PRP – Potentially Responsible Parties
- START – Superfund Technical Assessment and Response Team
- TCEQ - Texas Commission on Environmental Quality

yd3 – cubic yard

6. Additional sources of information

6.1 Internet location of additional information/report
www.epaosc.org/laneplating

6.2 Reporting Schedule

7. Situational Reference Materials

For additional information, please refer to “Documents” on www.epaosc.org/laneplating.

APPENDIX E

TDD NO. 5/WESTON-042-16-010

U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Vendor : WESTON SOLUTIONS, INC.

TDD # : 5/WESTON-042-16-010
Amendment # :
Contract # : EP-W-06-042

TDD Title : Lane Plating Removal Action
Purpose : TDD INITIATION

Verbal Date :
Start Date : 08/22/2016
Completion Date : 01/22/2017
Effective Date : 08/22/2016

Priority : HIGH
Overtime Authorized : No
Invoice Unit :

SSID : A6MS
Project/Site Name : Lane Plating R/A Phase I
Project Address : 5322 Bonnie View Road
County : Dallas
City : Dallas
State : TX
Zip Code : 75218

Work Area : Response / Removal
Work Area Code :
Activity : Fund Lead Removal
Activity Code : RV
Operable Unit :
Emergency Code :
FPN :
Performance Based : No

Authorized TDD Ceiling :

	Amount	LOE (Hours)
Previous Action(s) :	$0.00	0.00
This Action :	$50,000.00	0.00
New Total :	$50,000.00	0.00

Specific Elements :

Description of Work :

See Schedule

Region Specific :

CERCLIS: :

Misc 2 :

Accounting and Appropriation Information:

SFO:

Line	Budget / FY	Approp.	Budget Org	Program Element	Object Class	Site Project	Cost Org	DCN Line-ID	Funding Category	TDD Amount
1	15	T	6A00	303DC6	2505	06WQWQ00	C001	166ARSC010-001	REMOVAL SUPPORT	$49,999.65
2	09	T	6A00	302DC6C	2505	A6K6RS00	C001	096ARSC047-*	REMOVAL SUPPORT	$.35

U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Vendor : WESTON SOLUTIONS, INC.

TDD # : 5/WESTON-042-16-010
Amendment # :
Contract # : EP-W-06-042

Project Officer : Will LaBombard (Signature) (Date)		**Branch Mail Code:** **Phone Number :** 214-665-7199 **Fax Number :**
Contracting Officer Representative William Rhotenberry (Signature) (Date)		**Branch Mail Code :** **Phone Number :** 214-665-8372 **Fax Number :**
Contract Specialist: Michael J. Pheeny (Signature) (Date)		**Branch Mail Code :** **Phone Number :** 214-665-2798 **Fax Number :**
Contracting Officer : Michael J. Pheeny Electronically Signed by Michael J. Pheeny (Signature)	08/23/2016 (Date)	**Branch Mail Code :** **Phone Number :** 214-665-2798 **Fax Number :**
Other Agency Official (Signature) (Date)		**Branch Mail Code :** **Phone Number :** **Fax Number :**

Description of Work:The initial TDD funding ceiling is set at $50,000.

The Contractor shall document all removal activities at Lane Plating taken by Environmental Restoration ERRS Contractor). The Contractor shall utilize the existing Health and Safety Plan generated under a previous TDD and if needed modify it to protect against exposure of workers to dust created by waste disposal activities. Modifications to the HASP and dust monitoring will be coordinated with the OSC. The Contractor will utilize a logbook, photographs, website and other means as discussed with the OSC to document removal activities at the Site. The Contractor will keep a file of all records (manifests, BOL's)generated during the Removal Action. At the completion of the Removal Action the Contractor will generate a Final Report documenting site activities in a format to be determined with the OSC.

Mike McAteer will be an alternate COR on this TDD.
214.665.7157

Technical Direction Document

U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Vendor : WESTON SOLUTIONS, INC.

TDD # : 5/WESTON-042-16-010
Amendment # : 001
Contract # : EP-W-06-042

TDD Title : Lane Plating Removal Action
Purpose : TDD INITIATION

Verbal Date :
Start Date : 08/22/2016
Completion Date : 01/22/2017
Effective Date : 08/22/2016

Priority : HIGH
Overtime Authorized : No
Invoice Unit :

SSID : A6MS
Project/Site Name : Lane Plating R/A Phase I
Project Address : 5322 Bonnie View Road
County : Dallas
City : Dallas
State : TX
Zip Code : 75218

Work Area : Response / Removal
Work Area Code :
Activity : Fund Lead Removal
Activity Code : RV
Operable Unit :
Emergency Code :
FPN :
Performance Based : No

Authorized TDD Ceiling :

	Amount	LOE (Hours)
Previous Action(s) :	$50,000.00	0.00
This Action :	$0.00	0.00
New Total :	$50,000.00	0.00

Specific Elements :

Description of Work :

See Schedule

Region Specific :

CERCLIS: :

Misc 2 :

Accounting and Appropriation Information:

SFO:

Line	Budget / FY	Approp.	Budget Org	Program Element	Object Class	Site Project	Cost Org	DCN Line-ID	Funding Category	TDD Amount

U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Vendor : WESTON SOLUTIONS, INC.

TDD # : 5/WESTON-042-16-010
Amendment # : 001
Contract # : EP-W-06-042

Project Officer : Will LaBombard (Signature) (Date)	**Branch Mail Code:**	
	Phone Number :	214-665-7199
	Fax Number :	
Contracting Officer Representative William Rhotenberry (Signature) (Date)	**Branch Mail Code :**	
	Phone Number :	214-665-8372
	Fax Number :	
Contract Specialist: Michael J. Pheeny (Signature) (Date)	**Branch Mail Code :**	
	Phone Number :	214-665-2798
	Fax Number :	
Contracting Officer : Michael J. Pheeny (Signature) (Date)	**Branch Mail Code :**	
	Phone Number :	214-665-2798
	Fax Number :	
Other Agency Official (Signature) (Date)	**Branch Mail Code :**	
	Phone Number :	
	Fax Number :	

Description of Work:
Amendment 001 - No change in Ceiling or the POP.
This amendment is to add OSC Mark Hayes as an alternate
COR on this TDD.
Base ORIG - The initial TDD funding ceiling is set at $50,000.

The Contractor shall document all removal activities
at Lane Plating taken by Environmental Restoration
ERRS Contractor). The Contractor shall utilize the
existing Health and Safety Plan generated under a previous
TDD and if needed modify it to protect against exposure of
workers to dust created by waste disposal activities.
Modifications to the HASP and dust monitoring will be coordinated
with the OSC. The Contractor will utilize a logbook,
photographs, website and other means as discussed with
the OSC to document removal activities at the Site. The
Contractor will keep a file of all records
(manifests, BOL's)generated during the
Removal Action. At the completion of the Removal Action
the Contractor will generate a Final Report documenting
site activities in a format to be determined with the OSC.

Mike McAteer will be an alternate COR on this TDD.
214.665.7157