January 17, 2014

Mr. Steve Faryan  
On-Scene Coordinator  
U.S. Environmental Protection Agency Region 5 (SC-5J)  
77 W. Jackson Blvd.  
Chicago, IL 60604

Re: Remediation Activities  
City Right of Way  
947 W. Cullerton Street  
Chicago IL 60604

Dear Mr. Faryan  

The City of Chicago (the City) is submitting a combined work plan and summary report for the above referenced parcel located adjacent to the former Loewenthal Metals site. The document provides detail of a limited removal activity in the City’s right of way to address elevated lead levels identified by the U.S Environmental Protection Agency (USEPA) during its activities on the Loewenthal Metals Site. At the USEPA’s request and with its technical assistance, the City performed a limited soil removal beginning on September 30, 2013 and completed onsite work October 11, 2013.

The City of Chicago’s Department of Fleet and Facility Management provided technical assistance to the Chicago Department of Transportation and secured an emergency contractor to conduct sampling and soil disposal activities.

The attached summary provides details of the sampling and remediation work completed. If you have any questions, please feel free to call me 312-745-4034.

Sincerely,

Dave Graham
City Right of Way Work Adjacent to Former Lowenthal Metals Site

The following is a summary of the work performed by the City’s Department of Fleet and Facility Management (2FM) on behalf of the Chicago Department of Transportation (CDOT) to address elevated levels of lead in City right of way. CDOT is responsible for the maintenance and use of the City’s rights of way and requested 2FM’s expertise in evaluation and remediation required to mitigate hazardous waste lead in soil identified by USEPA during its work on the former Lowenthal Metal Site (LMS).

Background
Based on USEPA documents, the Loewenthal Metals property historically operated as a lead smelting facility during the 1940’s. The company is also listed in the 1948-49 Standard Metal Directory under aluminum and lead smelter, scrap iron, and metal importers, and exporters of scrap metal. The lead smelter ceased operations in the early 1950’s.

Based on USEPA sampling originating on the LMS, it collected additional soil samples east of LMS and west of City of Chicago pedestrian path. The analytical results (see Attachment 1) were reviewed and indicated the potential for characteristically hazardous lead in the soil. USEPA provided its available data, survey and ownership information, via email on August 27, 2013. Based on property ownership records and survey information, the City confirmed the following soil samples collected by USEPA are on City right of way: LM-SB24, LM-SB26, LM-SB28 and LM-SB28. Presumably, lead contamination on the City right of way is due to historical operations on the Loewenthal Metals site.

The City (2FM and its Department of Law) participated in numerous discussions with the USEPA and evaluated the existing site conditions, activity by USEPA contractors and its schedule for mobilization and demobilization from the Lowenthal Metals site. Based on levels of lead contamination observed in soil samples collected in the City’s right of way, the City determined it would initiate a limited removal activity on September 23, 2013. SET Environmental Inc (SET), an emergency contractor for the City of Chicago, was procured to complete all sampling, monitoring and soil removal activities. At USEPA’s request, based on discussions with Steve Faryan (On Scene Coordinator for the LMS) and Thomas Williams (attorney for USEPA), the City agreed to delay its removal activities until September 30th, 2013 to accommodate USEPA concerns with respect to having multiple active contractors working on or near LMS.
**Scope of Work**

**Task 1 – Pre-excavation and Mobilization Activities**

**Subcontractor Procurement and Health and Safety Plan**

2FM emergency contractor (SET) provided a quote for sampling, construction activities related to remediation activities, oversight, ambient air monitoring and landfill disposal coordination. As part of its normal site mobilization, a standard health and safety was used and a pre-safety meeting was performed prior to starting onsite activities.

**Define Extent of Excavation** – 2FM met onsite with USEPA (Steve Faryan) to define the proposed extent of excavation based on existing information (see Attachment 2). Excavation activities were planned to remove soil to an approximate depth of two or three feet, dependent on the field screening and laboratory analysis of soil conditions. Field screening with an X-Ray fluorescence (XRF) analyzer was completed to measure the total lead concentrations in soil and evaluate the presence of characteristically hazardous waste levels for lead (5 mg/l) based on observations from soil removal activities by USEPA on the LMS. The final depth of excavation was determined based on soil sample collection and analysis by an approved and accredited laboratory. Soil analysis included total lead, toxicity characteristic leaching procedure (TCLP) and analysis for lead in resultant TCLP extraction. STAT Analysis Corporation (the same laboratory used by USEPA in its evaluation of LMS) conducted laboratory analysis of soil samples.

**Onsite Meeting with Contractor** – On September 17th, 2013, the City met with its removal contractor SET Environmental Inc. to perform a site walk and confirm extent of the proposed excavation. During the site walk, it was determined overhead electrical lines and an apparent subsurface utility cable would necessitate smaller sized excavation equipment and additional safety precautions to avoid overhead and buried utilities. It was assumed a limited amount of hand digging would be necessary to locate potential utility vaults.

**Landfill Disposal Authorizations** – SET Environmental Inc. used existing data collected by USEPA to complete landfill acceptance authorization documentation and arranged for disposal of excavated soil, prior to beginning excavation activities:

Characteristically Hazardous Waste Lead Impacted soil was approved for treatment by:

Envirite of Illinois
16435 Center Avenue
Harvey Illinois 60426
USEPA ID Number: ILD 000666206
Non-Hazardous Lead Impacted Soil (non-special waste classification) was approved for landfill disposal by:

Republic Services
EnvironTech Landfill
1800 Ashley Rd
Morris Illinois 60450

Utility Survey – Public utilities were notified using the Illinois Joint Utility Locating Information for Excavators (Julie) locating services and a confirmation number was assigned (376140578) on September 18th, 2013. Based on discussions with an ATT representative, a utility vault was present within the right of way and directly below areas of anticipated excavation. The ultimate depth of excavation was anticipated to limited by the actual depth of the utility vault. Handing digging and other safety measures were planned to limit any potential of damaging utilities.

Temporary Construction Fence Construction – Based on discussions with USEPA on September 16th and 17th, 2013, a portion of the temporary construction fencing used by its contractors to secure the site was under lease by the City. As part of the USEPA contractor’s demobilization, the fencing was relocated from the public was and stored onsite during the week of September 30th, 2013. Before starting work, SET planned to install the fence on the perimeter of the excavation area in the City’s right of way. The public pedestrian/bike path were planned to be enclosed, as required to ensure public safety.

Task 2 – Screening and Removal of Lead Impacted Soil
Soils in the area of sample LM-SB24 were field screened with an X-Ray Fluorescence (XRF) in 1-foot depth intervals and initially in an area of 3-feet by 3-feet. XRF and laboratory sample results for lead were compared to USEPA Removal Management Levels (RML) for industrial soil of 800 mg/kg and to the 40 Code of Federal Regulations (CFR) Part 745 Unoccupied Residential Soil Level (URSL) of 1,200 mg/kg.

Based on the results, soil was evaluated for removal and offsite disposal. Additional screening was completed as material was removed and loaded into trucks for landfill disposal or placed in roll-off boxes for offsite treatment.

Task 3 – Ambient Air Monitoring
During active site operations, SET operated a DataRam air unit to monitor all dust/particulates on Site. The unit was placed near the open excavation and mounted on the fence interior. The action level for nuisance dust was 500 ug/m3. If exceeded, all excavation activities were to stop and amendment of dust control activities were made before continuation of work.

Task 4 – Dust Control
Temporary fencing consisting of six foot high chain-link fabric with wind screen was placed around the perimeter of the site. A plastic carboy was kept on site to store water from a local fire hydrant for wetting of the excavation. Water was applied to open the
excavation and stockpiled material via a pressure washer during excavation activities to minimize the creation of wind borne soil.

**Task 5 - Confirmation Sampling**
XRF screening was used to determine excavation depths, define aerial extent and determine locations for soil collection and laboratory analysis. In order to confirm remediation was completed, soil samples were collected (based on XRF measurements) and submitted to STAT to evaluate total lead and TCLP lead remaining in soil. A total of five soil sample locations were planned to a depth of 3-foot based on USEPA’s previous soil sample locations (LM-SB-24, LM-SB-26, LM-SB-28, LM-SB-30 and west of LM-SB-32). Field decisions were made based on XRF screening results to determine locations of soil sample collection for laboratory analysis.

**Task 6 – Geotextile Installation/Backfill**
Excavation backfilling occurred after review of XRF field screening and soil analytical data. Prior to backfilling, a bright orange geotextile was placed at the base of the excavation. Daylight® Orange nonwoven geotextile was used as a visual and physical barrier to remaining soils. Technical specifications are included in Attachment 3.

Depth of backfill ranged from 3-foot on the north end of the excavation (near soil samples exceeding characteristically hazardous waste criteria for lead) to 2-foot on the south end of the excavation.

**Summary of Field Activities and Observations**
The following is a summary of field activities completed between September 30th and October 11th 2013. All work was performed under contract with SET Environmental Inc., under the direction of 2FM. SET completed all required activities for sampling, monitoring, excavation, backfilling and waste disposal in the City right of way for a total of seven working days. A photolog of field activities is included in Attachment 4. SET’s daily field logs are included in Attachment 5

**Field Screening and Confirmation Sample Results**
Attachment 6 includes final XRF field screening readings and confirmation sample results. Based on USEPA field screening activities and soil sample data, the XRF was used to evaluate lead in the soil, determine extent of require excavation and define confirmation sample locations. A total of seven soil samples were collected (see Attachment 7) and submitted for laboratory analysis; STAT Analysis completed the soil analysis and the laboratory results are provided in Attachment 8.

Based on USEPA sampling data (SB24), it was anticipated soil meeting characteristically hazardous waste criteria could be encountered on the northern portion of excavation. SET initially collected the following samples and were analyzed for lead:

<table>
<thead>
<tr>
<th>Sample Location</th>
<th>Depth</th>
<th>Soil Sample Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB24ROW</td>
<td>Depth - 2 feet</td>
<td>Soil Sample Results: 2,800 mg/kg; 8.5 mg/l TCLP</td>
</tr>
<tr>
<td>SB26ROW</td>
<td>Depth – 2 feet</td>
<td>Soil Sample Results: 25,000 mg/kg</td>
</tr>
</tbody>
</table>
Sample SB24ROW results indicated at a depth of 2-feet, lead was identified above the 5 mg/l criteria of characteristically hazardous waste. Sample SB26ROW was analyzed only for the total lead. However, it was assumed the high concentration would be hazardous.

Prior to excavating additional depth at the locations of samples SB24ROW and SB26ROW, hand digging was conducted to ensure heavy excavation equipment would not contact and potentially damage underground utilities. A light-brown, native clay was encountered several inches below the active excavation (approximately 24 to 30-inches below the original grade) and the final excavation was completed to approximately 3-feet. Soil samples were collected at the bottom of the final excavation (SB24(2)ROW and SB26(2)ROW) based on XRF screening measurements. The results of the soil samples are as follows:

<table>
<thead>
<tr>
<th>Sample</th>
<th>Depth</th>
<th>Soil Sample Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB24(2)ROW</td>
<td>3 feet</td>
<td>100 mg/kg; 0.47 mg/l</td>
</tr>
<tr>
<td>SB26(2)ROW</td>
<td>3 feet</td>
<td>36 mg/kg; 0.053 mg/l</td>
</tr>
</tbody>
</table>

Based on these results, lead in soil meeting characteristically hazardous waste criteria was removed from the City right of way.

Additional confirmation sampling was completed in the City right of way, south of the final hazardous waste removal. Based on the results, no soil remains in the City right of way meeting the criteria for characteristically hazardous waste.

**Soil Excavation**

Location of Soil Excavation – Attachment (2) provides the extent and depth of excavated soil. The final depth of excavation was determined based on XRF field screening and results of confirmation soil samples.

Due to several conditions identified in the field, the excavation was limited to a depth of 2-foot on the portion of the right of way extending beyond the southernmost boundary LMS. First, excavation around an existing utility pole was limited as a protective precaution. Second, an AT&T utility vault and shallow manhole was identified in the area of excavation and visually confirmed at a depth between 3 and 4-foot below grade. Since the XRF readings taken from areas south of the SB24(2)ROW and SB26(2)ROW did not indicate the potential for characteristically hazardous waste lead, limiting the soil excavation to a 2-foot depth was considered appropriate.

Soil tested and confirmed to be hazardous were stored in roll-off boxes, pending final acceptance for treatment and disposal; the remaining non-hazardous soil was loaded directly into trucks for immediate landfilling. The roll-off boxes were removed during completion of excavation backfilling activities. Attachment 9 includes the waste manifests for the soil meeting characteristically hazardous waste for lead.
The total tonnage of material includes:
Special waste – 210 tons
Hazardous waste – 63 tons

**Geotextile Installation and Backfilling operations**
Excavation backfilling was completed in several stages during active excavation activities to minimize any tracking of soil by trucks on to the public streets. Crushed limestone was placed at the bottom of the 3-foot excavation as a haul road for truck traffic. The depth of stone varied from approximately 6 to 12-inches

Prior to final backfilling, an orange geotextile was rolled out on to the base of the excavation and overlapped in a manner to cover the entire excavation. The geotextile in combination with 2-feet of soil is acceptable engineered barrier for soil ingestion exposure. The Illinois Environmental Protection voluntary cleanup program (the Site Remediation Program) has previously approved this combination of soil and geotextile for other sites within the City.

Clean clay was place above the limestone to a depth of 1-foot below final existing grade and compacted by an excavator. The top 1-foot of the excavation was backfilled with topsoil.

**Ambient Air Monitoring and Dust Control Activities**
Monitoring during excavation activities did not observe measurements exceeding the level for nuisance dust of 500 ug/m³. Monitoring levels were between 1.7 ug/m³ and 59.6 ug/m³ for the duration of the work, well below the action level.
List of Attachments

Attachment 1 – USEPA Soil Sample Results
Attachment 2 – Extent and Depth of Excavation in Right of Way
Attachment 3 - Geotextile Technical Specifications
Attachment 4 – Photographic Log of Field Activities
Attachment 5 – SET Daily Field Logs
Attachment 6 – XRF Field Screening Measurements and Soil Sampling Results
Attachment 7 – Confirmation Soil Sample Locations
Attachment 8 – Soil Sample Analytical Results
Attachment 9 – Hazardous Waste Manifests
Attachment 2
Soil Excavation Area and Depths

Figure 1
Sampling Location and Results Map
Railway Area
Loewenthal Metals
Chicago, Cook County, Illinois

Legend

- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Former Railroad
- Expanded Site Boundary
- Initial Site Boundary

Units:
- Total Metals = mg/kg
- TCLP Metals = mg/l

Prepared By:
WESTON SOLUTIONS, INC.
750 E. Bunker Ct, Suite 500
Vernon Hills, Illinois 60061

Prepared For:
US EPA Region V
Contract No.: EP-L06-04
TDD: 501-0001-1201-003
DCA: 1714

Imagery Source: ESRI Bing Maps

FILE: D:\Loewenthal_Metals\mxd\Railway_SB_Excds_RML3.mxd 7/3/2013 8:58:44 AM wojdakon
Daylight® Orange Nonwoven Geotextile
Used for soil separation and drainage. Combines high durability with peak physical and hydraulic properties. Manufactured from polypropylene staple fibers, which allows high water flow rates plus durability while still providing excellent soil separation and retention.

- Performs as highly visible nonwoven geotextile
- Resists biological degradation
- Resists naturally encountered chemicals, alkalis, and acids
- Creates separation, filtration and protection
- Useful for "brownfields" and urban gardens
- Meets EPA requirements

KEY INFORMATION:
Daylight Orange® is chemically stable in a wide range of aggressive environments and provides cost effective solutions where soil separation and high permittivity are required. The properties of this geosynthetic allows fluids to pass through while preventing the migration of soil particles. This allows for water to flow freely downward while discouraging water absorption upward.

**BENEFITS:**
- Transforms unusable areas
- Sold in 15' widths
- Allows for faster installation than other like products
- Has excellent physical and hydraulic properties
- Promotes superb soil retention and subsurface drainage
- Acts as visual barrier

<table>
<thead>
<tr>
<th>Mechanical Properties</th>
<th>Test Method</th>
<th>Unit</th>
<th>Minimum Average Roll Value</th>
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</thead>
<tbody>
<tr>
<td>Grab Tensile Strength</td>
<td>ASTM D 4832</td>
<td>N (lbs)</td>
<td>401 (90) 401 (90)</td>
</tr>
<tr>
<td>Grab Tensile Elongation</td>
<td>ASTM D 4832</td>
<td>%</td>
<td>50 50</td>
</tr>
<tr>
<td>Trapezoid Tear Strength</td>
<td>ASTM D 4533</td>
<td>N (lbs)</td>
<td>178 (40) 178 (40)</td>
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<tr>
<td>CBR Puncture Strength</td>
<td>ASTM D 6241</td>
<td>N (lbs)</td>
<td>9113 (250)</td>
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<tr>
<td>Apparent Opening Size (AOS)¹</td>
<td>ASTM D 4751</td>
<td>mm (U.S. Sieve)</td>
<td>0.25 (60)</td>
</tr>
<tr>
<td>Permeability</td>
<td>ASTM D 4491</td>
<td>sec⁻¹</td>
<td>2.0</td>
</tr>
<tr>
<td>Flow Rate</td>
<td>ASTM D 4491</td>
<td>l/min/m²</td>
<td>5907 (145)</td>
</tr>
<tr>
<td>UV Resistance (at 500 hours)</td>
<td>ASTM D 4355</td>
<td>% strength</td>
<td>70</td>
</tr>
</tbody>
</table>

¹ ASTM D 4751: AOS is a Maximum Opening Diameter Value

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<th>Physical Properties</th>
<th>Test Method</th>
<th>Unit</th>
<th>Typical Value</th>
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<tr>
<td>Weight</td>
<td>ASTM D 5261</td>
<td>g/m² (oz/yd²)</td>
<td>136 (4.0)</td>
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<tr>
<td>Thickness</td>
<td>ASTM D 5199</td>
<td>mm (mils)</td>
<td>0.9 (35)</td>
</tr>
<tr>
<td>Roll Dimensions (width x length)</td>
<td>--</td>
<td>m x m (ft)</td>
<td>3.8 x 110 4.5 x 110</td>
</tr>
<tr>
<td>Roll Area</td>
<td>--</td>
<td>m² (yd²)</td>
<td>418 (600) 502 (600)</td>
</tr>
<tr>
<td>Estimated Roll Weight</td>
<td>--</td>
<td>kg (lb)</td>
<td>60 (133) 70 (160)</td>
</tr>
</tbody>
</table>

Available at

- 1810 W. Lake Street - Chicago, IL 60612 - Phone (312) 226-0760 - Fax (312) 226-0761 - www.lakestreetsupply.com -
Attachment 4
Geotextile Technical Specifications

Truck loading activities
(facing south west)
Picture 1

Truck loading activities behind perimeter fencing
(facing south east, viewed from the street)
Picture 2

Truck loading activities
(facing north west)
Picture 3
Trucking activities
(southern portion of excavation facing north towards Cullerton Ave)

Picture 5

Dataram air monitor within perimeter fencing during excavation activities
(east perimeter of excavation)

Picture 4

Excavation activities on north end of right-of-way
(facing northwest towards Cullerton Ave)

Picture 6
Excavation activities along asphalt path; hand digging in preparation for sawcutting of abandoned rail spur. (facing northwest)

Picture 8

Excavation Activities on northend of right-of-way, initial removal of abandoned rail spur. Note orange markings for utility locations

(facing north towards Cullerton Ave)

Picture 7

Initial excavation activities along asphalt path. Note proximity to utility manhole (AT&T vault) and electrical pole.

(facing north towards Cullerton Avenue)

Picture 9
Initial excavation activities along asphalt path.

(facing west)

Picture 10

Initial excavation activities along asphalt path, south of former Lowenthal Metals Site.

(facing west)

Picture 11

Excavation activities along asphalt path, south of former Lowenthal Metals Site. Note gravel placed for trucks hauling soil.

(facing northwest)

Picture 12
Excavation facing south, XRF measuring activities.  
(facing south)  
Picture 13

Hand digging on north end of site to evaluate potential depth of utility vault. Note presence of native clay in shallow hole.  
Picture 14

Continued excavation along asphalt path and directly above utility vault.  
(facing south)  
Picture 15
Excavated area of hazardous material on north end, along Cullerton Ave.

(facing west)

Picture 16

Bottom of final excavation prior to installation of geotextile.

(facing north)

Picture 17

Beginning installation of geotextile.

(facing south)

Picture 18
Continued installation of geotextile.  
(facing north)  
Picture 19

Placement of clean soil above geotextile.  
(facing north)  
Picture 20

Grading of clean soil to final grade.  
(facing northwest)  
Picture 21
Final site grade.
(facing south)
Picture 22
## Field Activity Log

### Project Information
- **Project Name:** City of Chicago
- **Project #:** 1309 1180
- **Date:** 07/30/13
- **Address:** 947 W. Cullerton
- **City:** Chicago
- **State:** IL

### Weather Conditions
- Temperature: 50 - 70°F
- Wind Direction/Speed: 5 - 10
- Precipitation: None
- Cloudy or Foggy: Clear

### Specific Tasks to Complete by End of Shift
- [ ] Review Hi's Plan & Area of Pb. Contamination
- [ ] Secure Site From Public
- [ ] Unload Equipment
- [ ] Start to Dig Area

### Time | Project Notes
--- | ---
0653 | Wheel loader being dropped
0745 | Arrive at site; Loader is too big for our work area
0750 | Review Hi's Plan & Area of Contamination to be removed
0755 | Pattern called to pull loader and drop 17k 600 excavator
0800 | Fence started to be moved to isolate and contain work area
0805 | Fence provided by COC
1030 | Equipment continues from pattern area to be dug out is started at back or south end along bike path.
1200 | Lunch
1230 | Digging continues fence still being moved.
1330 | Port a pot dropped
1430 | Digging for today complete area approx. 20' x 20' dug out 2'
1530 | Crew leaves site site stuff & locked up
1545 | Crew back to shop
# FIELD ACTIVITY LOG

**Project Name:** Chicago Rd Soils  
**Project #:** 1207-Q180  
**Date:** 10/1/13  
**Address:** 9617 W. Lawrence  
**City:** Chicago  
**State:**  

<table>
<thead>
<tr>
<th>Weather Conditions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature:</td>
<td>50-80°F</td>
</tr>
<tr>
<td>Wind Direction/Speed:</td>
<td>10-15</td>
</tr>
<tr>
<td>Precipitation:</td>
<td>Cloudy/Foggy</td>
</tr>
</tbody>
</table>

- **Check:** Specific Tasks to Complete by End of Shift

- Air Monitoring - dust monitoring of ambient air
- XRF Sampling @ base of excavation
- Excavate Soils / Load into End Dump Semis to Morris IC
- Wet Soils to Inhibit Dust

<table>
<thead>
<tr>
<th>Time</th>
<th>Project Notes</th>
<th>TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:40</td>
<td>First truck loaded. Air monitoring. 0 ug/m³</td>
<td>0.91 ug/m³</td>
</tr>
<tr>
<td>9:45</td>
<td>Second truck loaded.</td>
<td>0, 26.6</td>
</tr>
<tr>
<td>10:13</td>
<td>3rd truck arrives 1845 leaves</td>
<td>42.1</td>
</tr>
<tr>
<td>11:15</td>
<td>4th truck arrives 1150 leaves</td>
<td>47.2</td>
</tr>
<tr>
<td>12:15</td>
<td>5th truck arrives 1845 leaves</td>
<td>49.0</td>
</tr>
<tr>
<td>12:45</td>
<td>6th truck arrives 1315 leaves</td>
<td></td>
</tr>
<tr>
<td>13:30</td>
<td>7th truck arrives</td>
<td>17.1</td>
</tr>
<tr>
<td>14:10</td>
<td>7th truck leaves</td>
<td>21.2</td>
</tr>
<tr>
<td>14:20</td>
<td>Off Site</td>
<td>TWA over 6 hours 25.3</td>
</tr>
<tr>
<td>15:15</td>
<td>Back on Site</td>
<td></td>
</tr>
<tr>
<td>15:30</td>
<td>Off clock</td>
<td></td>
</tr>
</tbody>
</table>

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**Signature:**

Mike Longton  
PRINT NAME AND SIGN  

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PAGE ___ OF ___
# FIELD ACTIVITY LOG

**Project Name:** City of Chicago Pb Soils  
**Project #:** 1309-0150  
**Date:** 10/2/13  
**Address:** 947 W. Cullerton  
**City:** Chicago  
**State:** IL  
**Weather Conditions:**  
- **Temperature:** 60 - 70°F  
- **Wind Direction/Speed:** 5-10  
- **Precipitation:** None  
- **Cloudy or Foggy:** Yes  

<table>
<thead>
<tr>
<th>Check</th>
<th>Specific Tasks to Complete by End of Shift</th>
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<tbody>
<tr>
<td></td>
<td>EXCAVATE BOTH HAZ &amp; NON-HAZ Pb SOILS FOR DISPOSAL</td>
</tr>
<tr>
<td></td>
<td>MONITOR AIR QUALITY &amp; WET SOILS FOR DUST CONTROL</td>
</tr>
<tr>
<td></td>
<td>SPOT CHECK SOILS FOR TOTAL METALS</td>
</tr>
<tr>
<td></td>
<td>ASSIST C &amp; C DILIGENTLY PASS 2ND PHASE OF DIG AREA</td>
</tr>
</tbody>
</table>

### Time Log

- **0530:** C Shop and Load Up Misc. Equipment  
  - **Air Quality:** 0.9 ppm
- **0630:** C Site Prep Work Area
- **0645:** Start Air Pump for Dust Monitoring  
  - **Air Quality:** 20.1 ppm
- **0725:** First Truck Arrives to Load Up  
  - **Air Quality:** 19.6 ppm
- **0800:** First Truck Leaves  
  - **Air Quality:** 8.1 ppm
- **0820:** Air Monitor CK  
  - **Air Quality:** 9.6 ppm

**Note:** Date from C & C is 7.9 measured possible next dig area to the south of area being worked on now all the way down to the next R. D. W. 12' west of railroad to pathway, average width of 11' spot locations picked for XRF. Spot samples to be checked.

- **1000:** Predicting higher concentration area prior to roll-off.
- **1010:** Motor问题;  
  - **Air Quality:** 59.6 ppm
- **1030:** Roll-off arrives
- **1040:** Loading begins  
  - **Air Quality:** 38.8 ppm
- **1120:** Load Leaving
- **1221:** Motor remains  
  - **Air Quality:** 21.3 ppm
- **1400:** 2nd Roll-off arrives  
  - **Air Quality:** 17.1 ppm
- **1410:** Motor remains
- **1430:** 2nd Roll-off leaves
- **1500:** 3rd Roll-off arrives  
  - **Air Quality:** 6.2 ppm
<table>
<thead>
<tr>
<th>Time</th>
<th>Project Notes</th>
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<tbody>
<tr>
<td>1530</td>
<td>START METAL READING</td>
</tr>
<tr>
<td>16:15</td>
<td>OFF SITE</td>
</tr>
<tr>
<td>16:30</td>
<td>OFF CLOCK</td>
</tr>
<tr>
<td>17:20</td>
<td></td>
</tr>
</tbody>
</table>
**FIELD ACTIVITY LOG**

Project Name: City of Chicago Pb Soils  
Project #: 1309-0180  
Date: 1/9/13  
Address: 947 W. Collingwood  
City: Chicago  
State: IL

**Weather Conditions**  
Temperature: 60 - 80°F  
Wind Direction/Speed: 5/10  
Precipitation: ☃️

**Check [ ] Specific Tasks to complete by end of shift**  
- EVACUATE Soils & LOAD out for DISPOSAL
- MONITOR AIR QUALITY
- SPOT CHECK Soils w/ XRF

**Time | Project Notes**
--- | ---
0530 | START LOAD UP
0545 | LEAVE S/N & STOCK
0630 | ON SITE
0645 | AIR MONITOR STARTED REVIEW 1 1/2 S PLAN 14 DAYS 0.7 ACTIVITIES, SET SITE up READY FOR TRUCKS of STONE to BUILD up FOR FURTHER EXCAVATING.
0720 | MONITOR CHECK
0800 | FIRST TRUCK of 3" STONE Arrives 3.2
0915 | 2ND TRUCK of STONE DUMPED & Placed 6.7
0945 | 3RD TRUCK DUMPED & Placed and LOADED w/ SoIL
1030 | 2ND TRUCK LOADED AND GONE 17.6
1100 | 3RD TRUCK LOADED AND GONE 22.7
## FIELD ACTIVITY LOG

<table>
<thead>
<tr>
<th>Time</th>
<th>Project Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>0630</td>
<td>E-Shop Load up HARD TOOLS, P-WEAR, ETC.</td>
</tr>
<tr>
<td>0800</td>
<td>Leave Shop</td>
</tr>
<tr>
<td>0700</td>
<td>ARRIVE ON SITE &amp; OPEN SITE FOR WORK - SET UP AIR METAL</td>
</tr>
<tr>
<td>0730</td>
<td>RENT RATE ARRIVES W/ MAN &amp; 6000 LB BUCKET EXCAVATOR</td>
</tr>
<tr>
<td></td>
<td>SPOT CHECK THE HOT SPOTS FROM THURS, 10/3/13, AND</td>
</tr>
<tr>
<td></td>
<td>MONDAY &amp; TUES 14 STILL PREDICTED 6:00 AM FOR PB</td>
</tr>
<tr>
<td>0830</td>
<td>FIRST ROLL-OFF STARTS BEING LOADED</td>
</tr>
<tr>
<td>1000</td>
<td>FIRST ROLL-OFF JUST DURING EXCAVATION CLAY BEEN FOUND</td>
</tr>
<tr>
<td></td>
<td>ABOUT 1' LOWER THAN PREVIOUS DUG OUT WILL CONTINUE TO</td>
</tr>
<tr>
<td></td>
<td>DUG DOWN TO CLAY ~ ROADWAYS FROM XRF AREA IN THE</td>
</tr>
<tr>
<td></td>
<td>20'-100' RPM RANGE</td>
</tr>
<tr>
<td>1030</td>
<td>RE-DIGGING DOWN TO CLAY BEAM</td>
</tr>
<tr>
<td>1045</td>
<td>PB SPILL CHECKED, W/ XRF</td>
</tr>
<tr>
<td>1240</td>
<td>2ND ROLL-OFF ARRIVES</td>
</tr>
<tr>
<td>1340</td>
<td>ROLL-OFF FULL AND GONE</td>
</tr>
<tr>
<td>1345</td>
<td>SAMPLING OF AREA</td>
</tr>
<tr>
<td>1430</td>
<td>SAMPLING COMPLETE ALONG W/ DECOM OF EQUIPMENT</td>
</tr>
<tr>
<td>1445</td>
<td>OFF SITE TO STORE LAB TO DROP SAMPLES</td>
</tr>
<tr>
<td>1545</td>
<td>BACK TO SHOP CLEAN UP &amp; RESTORE</td>
</tr>
<tr>
<td>1600</td>
<td>OFF CLOCK</td>
</tr>
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SIGNATURE: ____________________________

PRINT NAME AND SIGN
## FIELD ACTIVITY LOG

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<tr>
<th>Project Name:</th>
<th>COC</th>
<th>Project #:</th>
<th>1369-1180</th>
<th>Date:</th>
<th>10/10/13</th>
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<tbody>
<tr>
<td>Address:</td>
<td>497 W. Fullerton</td>
<td>City:</td>
<td>Chicago</td>
<td>State:</td>
<td>IL</td>
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</table>

### Weather Conditions

<table>
<thead>
<tr>
<th>Temperature:</th>
<th>Wind Direction/Speed:</th>
<th>Precipitation:</th>
<th>Cloudy or Foggy:</th>
</tr>
</thead>
</table>

### Specific Tasks to Complete by End of Shift

- [X] Place & compact clay backfill

### Time | Project Notes
--- | ---
0725 | 1st Truck arrives
0730 | 2nd
0745 | 3rd
0750 | 4th
0800 | Kent 8k arrives with tracked skid loader
1035 | 5th
1100 | 6th
1105 | 7th
1145 | 8th

1400 | Leaving site
1500 | Crew off clock

---

*Kyle Carter
*Kyle Carter

PRINT NAME AND SIGN
<table>
<thead>
<tr>
<th>Check</th>
<th>Specific Tasks to Complete by End of Shift</th>
</tr>
</thead>
<tbody>
<tr>
<td>☑</td>
<td>Place top soil live to site</td>
</tr>
<tr>
<td></td>
<td>Demobilize</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Project Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>0630</td>
<td>Arrive on site, move barricades, have 8+3 briefing</td>
</tr>
<tr>
<td>0725</td>
<td>2 trucks 129, 131</td>
</tr>
<tr>
<td>0800</td>
<td>1 truck 140</td>
</tr>
<tr>
<td>0830</td>
<td>City inspector arrives, asks for our permit. Call Dave Graham &amp; they work it out!</td>
</tr>
</tbody>
</table>
FIELD CALIBRATION

SPOT SAMPLE READINGS:

SS#1 350 ppm
SS#2 160 ppm
SS#3 450 ppm
SS#4 376 ppm
SS#5 5/6 ppm
SS#6 1245 ppm
SS#7 342
SS#8 639
SS#9 1386
SS#10 687
SS#11 1716
SS#12 1910
SS#13 672
SS#14 6640
SS#15 268
SS#16 2222

APPROXIMATE LOCATION:
C.O.C. Prop. Line

AREA OF CONTAMINATION

EXPECTED HANFLE CONTAMINATION

COLLECTOR ROW

SAGAMON ROW
Attachment 6
XRF Field Screening
Final Results

Extent of ROW Remediation

Figure 1
Sampling Location and Results Map
Railway Area
Loewenthal Metals
Chicago, Cook County, Illinois

Legend

- Sampling Locations - At Least One Exceedance
- Sampling Locations - No Exceedances
- Former Railroad
- Expanded Site Boundary
- Initial Site Boundary

Units:
Total Metals = mg/kg
TCLP Metals = mg/l

Prepared For:
US EPA Region V
Contract No. EP-55-06-04
TDD: 501-0001-1201-003
DCN: 1714-

Prepared By:
WESTON SOLUTIONS, INC.
750 E. Bunker Ct, Suite 500
Vernon Hills, Illinois 60061
**Figure 1**

**Sampling Location and Results Map**

**Railway Area**
Loewenthal Metals
Chicago, Cook County, Illinois

*Imagery Source: ESRI Bing Maps*

**Legend**
- **Sampling Locations - At Least One Exceedance**
- **Sampling Locations - No Exceedances**
- **Former Railroad**
- **Expanded Site Boundary**
- **Initial Site Boundary**

**Units:**
- Total Metals = mg/kg
- TCLP Metals = mg/l

**Table:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Parameter</th>
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<td>[800]</td>
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<tr>
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<td>NA</td>
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<tr>
<td>1-2</td>
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<td>[800]</td>
</tr>
<tr>
<td>1-2</td>
<td>Lead, TCLP</td>
<td>56</td>
<td>[5]</td>
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<tr>
<td>3- foot</td>
<td>Lead, TCLP</td>
<td>100</td>
<td>[100]</td>
</tr>
<tr>
<td>2 - foot</td>
<td>Total Lead</td>
<td>2,800 mg/kg</td>
<td>8.5 mg/l</td>
</tr>
<tr>
<td>3 - foot</td>
<td>Total Lead</td>
<td>100 mg/kg</td>
<td>0.47 mg/l</td>
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<tr>
<td>SB 26(2)ROW</td>
<td>2 - foot</td>
<td>36 mg/kg</td>
<td>0.053 mg/l</td>
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<tr>
<td>SB 32ROW</td>
<td>Depth - 2 foot</td>
<td>2,300 mg/kg</td>
<td></td>
</tr>
<tr>
<td>SB 30ROW</td>
<td>Depth - 2 foot</td>
<td>870 mg/kg</td>
<td></td>
</tr>
<tr>
<td>SB28 ROW</td>
<td>- Lead Sample Result</td>
<td>Depth - 3 foot</td>
<td>930 mg/kg</td>
</tr>
<tr>
<td>SB30 ROW</td>
<td>- Lead Sample Result</td>
<td>Depth - 2 foot</td>
<td>870 mg/kg</td>
</tr>
</tbody>
</table>

**Approximate extent of ROW remediation by City of Chicago**
October 03, 2013

SET Environmental, Inc.
450 Sumac Road
Wheeling, IL  60090
Telephone: (847) 537-9221
Fax: (847) 537-9265

RE: City of Chicago, 947 W. Cullerton Ave, Chicago, IL

Dear SET Environmental, Inc.:

STAT Analysis received 4 samples for the referenced project on 10/2/2013 1:40:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.
## Work Order Sample Summary

<table>
<thead>
<tr>
<th>Lab Sample ID</th>
<th>Client Sample ID</th>
<th>Tag Number</th>
<th>Collection Date</th>
<th>Date Received</th>
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</thead>
<tbody>
<tr>
<td>13100052-001A SB24 R.O.W</td>
<td></td>
<td></td>
<td>10/2/2013 1:00:00 PM</td>
<td>10/2/2013</td>
</tr>
<tr>
<td>13100052-002A SB26 R.O.W</td>
<td></td>
<td></td>
<td>10/2/2013 1:10:00 PM</td>
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<tr>
<td>13100052-003A SB28 R.O.W</td>
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<td>10/2/2013 1:20:00 PM</td>
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</tr>
<tr>
<td>13100052-004A SB30 R.O.W</td>
<td></td>
<td></td>
<td>10/2/2013 1:30:00 PM</td>
<td>10/2/2013</td>
</tr>
</tbody>
</table>
**STAT Analysis Corporation**  
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766  
Tel: (312) 733-0551  Fax: (312) 733-2386  STATinfo@STATAnalysis.com  
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202.

Date Reported: October 03, 2013  
Date Printed: October 03, 2013

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<thead>
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<td><strong>Client Sample ID:</strong> SB24 R.O.W</td>
<td><strong>Matrix:</strong> Soil</td>
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</tbody>
</table>

<table>
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<tr>
<th>Analyses</th>
<th>Result</th>
<th>Qualifier</th>
<th>Units</th>
<th>Date Analyzed</th>
<th>Analyst</th>
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<tbody>
<tr>
<td>Metals by ICP/MS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>SW6020 (SW3050B)</td>
<td>2800</td>
<td>1.2</td>
<td>Prep Date: 10/3/2013</td>
<td>JG</td>
</tr>
<tr>
<td>TCLP Metals by ICP/MS</td>
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<td></td>
<td></td>
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<tr>
<td>Lead</td>
<td>SW1311/6020 (SW3005A)</td>
<td>8.5</td>
<td>0.005</td>
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<td>JG</td>
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<tr>
<td>Percent Moisture</td>
<td>D2974</td>
<td>22.1</td>
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<td><strong>Client Sample ID:</strong> SB26 R.O.W</td>
<td><strong>Matrix:</strong> Soil</td>
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<table>
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<tr>
<th>Analyses</th>
<th>Result</th>
<th>Qualifier</th>
<th>Units</th>
<th>Date Analyzed</th>
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<tr>
<td>Metals by ICP/MS</td>
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</tr>
<tr>
<td>Lead</td>
<td>SW6020 (SW3050B)</td>
<td>25000</td>
<td>51</td>
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<td>JG</td>
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<td>Percent Moisture</td>
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<tbody>
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<td><strong>Matrix:</strong> Soil</td>
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<th>Analyses</th>
<th>Result</th>
<th>Qualifier</th>
<th>Units</th>
<th>Date Analyzed</th>
<th>Analyst</th>
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<tr>
<td>Metals by ICP/MS</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>SW6020 (SW3050B)</td>
<td>930</td>
<td>5.2</td>
<td>Prep Date: 10/3/2013</td>
<td>JG</td>
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<td>Percent Moisture</td>
<td>D2974</td>
<td>19.0</td>
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<td>Prep Date: 10/2/2013</td>
<td>VA</td>
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</tbody>
</table>

**Qualifiers:**
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter
- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

3 of 6
**Client:** SET Environmental, Inc.  
**Project:** City of Chicago, 947 W. Cullerton Ave, Chicago, IL  
**Lab Order:** 13100052  
**Date Reported:** October 03, 2013  
**Date Printed:** October 03, 2013

<table>
<thead>
<tr>
<th>Analyses</th>
<th>Result</th>
<th>RL</th>
<th>Qualifier</th>
<th>Units</th>
<th>DF</th>
<th>Date Analyzed</th>
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</thead>
<tbody>
<tr>
<td><strong>Metals by ICP/MS</strong></td>
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</tr>
<tr>
<td>Lead</td>
<td>SW6020</td>
<td>SW3050B</td>
<td>Prep Date: 10/3/2013</td>
<td>Analyst: JG</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>870</td>
<td>5.3</td>
<td>mg/Kg-dry</td>
<td>100</td>
<td>10/3/2013</td>
<td></td>
</tr>
<tr>
<td><strong>Percent Moisture</strong></td>
<td>D2974</td>
<td>Prep Date: 10/2/2013</td>
<td>Analyst: VA</td>
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<tr>
<td>Percent Moisture</td>
<td>13.8</td>
<td>0.2</td>
<td>*</td>
<td>wt%</td>
<td>1</td>
<td>10/3/2013</td>
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</table>

Qualifiers:
- ND - Not Detected at the Reporting Limit
- RL - Reporting / Quantitation Limit for the analysis
- J - Analyte detected below quantitation limits
- S - Spike Recovery outside accepted recovery limits
- B - Analyte detected in the associated Method Blank
- R - RPD outside accepted recovery limits
- HT - Sample received past holding time
- E - Value above quantitation range
- * - Non-accredited parameter
- H - Holding time exceeded
**CHAIN OF CUSTODY RECORD**

<table>
<thead>
<tr>
<th>Client Sample Number/Description</th>
<th>Date Taken</th>
<th>Time Taken</th>
<th>Matrix</th>
<th>Comp.</th>
<th>Grab</th>
<th>Pres.</th>
<th>No. of Containers</th>
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<td>1300</td>
<td>X</td>
<td>O</td>
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<td>10/21/13</td>
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<td>X</td>
<td>O</td>
<td>X</td>
<td>X</td>
<td>2</td>
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<td>O</td>
<td>X</td>
<td>X</td>
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<td>SB 30 R.O.W</td>
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<td>1330</td>
<td>X</td>
<td>O</td>
<td>X</td>
<td>X</td>
<td>2</td>
</tr>
</tbody>
</table>

**Preservation Code:**
- A = None
- B = HNO₃
- C = NaOH
- D = H₂SO₄
- E = HCl
- F = 5035/EnCore
- G = Other

**Project Site:** 947 W. Cullerton Ave

**Laboratory Work Order No.:** 1300052

**Temperature:** 22.9 °C
Sample Receipt Checklist

Client Name: SET  
Work Order Number: 13100052

Checklist completed by: [Signature]
Date: 10/2/13

Matrix:  
Carrier name: Client Delivered

Shipping container/cooler in good condition? Yes [ ] No [ ] Not Present [ ]
Custody seals intact on shipping container/cooler? Yes [ ] No [ ] Not Present [ ]
Custody seals intact on sample bottles? Yes [ ] No [ ] Not Present [ ]
Chain of custody present? Yes [ ] No [ ]
Chain of custody signed when relinquished and received? Yes [ ] No [ ]
Chain of custody agrees with sample labels/containers? Yes [ ] No [ ]
Samples in proper container/bottle? Yes [ ] No [ ]
Sample containers intact? Yes [ ] No [ ]
Sufficient sample volume for indicated test? Yes [ ] No [ ]
All samples received within holding time? Yes [ ] No [ ]
Container or Temp Blank temperature in compliance? Yes [ ] No [ ] Temperature: 22.9 °C
Water - VOA vials have zero headspace? No VOA vials submitted [ ] Yes [ ] No [ ]
Water - Samples pH checked? Yes [ ] No [ ] Checked by:
Water - Samples properly preserved? Yes [ ] No [ ] pH Adjusted?

Any No response must be detailed in the comments section below.

Comments: LOC states unspecific TCLP analysis

Client / Person contacted: Mike Livingston  
Date contacted: 10/2/13  
Response: TCLP lead.

Contacted by: Frank C. (phone)
October 08, 2013

SET Environmental, Inc.
450 Sumac Road
Wheeling, IL 60090
Telephone: (847) 537-9221
Fax: (847) 537-9265

RE: 1309-01180, City of Chicago, 947 Cullerton

Dear SET Environmental, Inc.:  

STAT Analysis received 2 samples for the referenced project on 10/7/2013 2:50:00 PM. The analytical results are presented in the following report.  

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.  

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.  

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from STAT. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.
### Work Order Sample Summary

<table>
<thead>
<tr>
<th>Lab Sample ID</th>
<th>Client Sample ID</th>
<th>Tag Number</th>
<th>Collection Date</th>
<th>Date Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>13100203-001A 24(2)</td>
<td>R.O.W</td>
<td>10/7/2013 2:00:00 PM</td>
<td>10/7/2013</td>
<td></td>
</tr>
<tr>
<td>13100203-002A 26(2)</td>
<td>R.O.W</td>
<td>10/7/2013 2:10:00 PM</td>
<td>10/7/2013</td>
<td></td>
</tr>
</tbody>
</table>
### Analysis Details

**Client:** SET Environmental, Inc.  
**Project:** 1309-01180, City of Chicago, 947 Cullerton  
**Lab Order:** 13100203  
**Date Reported:** October 08, 2013  
**Date Printed:** October 08, 2013

### Analyses

<table>
<thead>
<tr>
<th>Analyses</th>
<th>Result</th>
<th>RL</th>
<th>Qualifier</th>
<th>Units</th>
<th>DF</th>
<th>Date Analyzed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Metals by ICP/MS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>SW6020</td>
<td>100</td>
<td>0.53</td>
<td>mg/Kg-dry</td>
<td>10</td>
<td>10/8/2013</td>
</tr>
<tr>
<td><strong>TCLP Metals by ICP/MS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>SW1311/6020</td>
<td>0.47</td>
<td>0.005</td>
<td>mg/L</td>
<td>5</td>
<td>10/8/2013</td>
</tr>
<tr>
<td><strong>Percent Moisture</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Moisture</td>
<td>D2974</td>
<td>17.5</td>
<td>0.2</td>
<td>wt%</td>
<td>1</td>
<td>10/8/2013</td>
</tr>
</tbody>
</table>

### Collection Details

**Client Sample ID:** 24(2) R.O.W  
**Collection Date:** 10/7/2013 2:00:00 PM  
**Matrix:** Soil

**Client Sample ID:** 26(2) R.O.W  
**Collection Date:** 10/7/2013 2:10:00 PM  
**Matrix:** Soil

### Qualifiers

- **J** - Analyte detected below quantitation limits  
- **B** - Analyte detected in the associated Method Blank  
- **S** - Spike Recovery outside accepted recovery limits  
- **R** - RPD outside accepted recovery limits  
- **ND** - Not Detected at the Reporting Limit  
- **E** - Value above quantitation range  
- ***** - Non-accredited parameter  
- **H** - Holding time exceeded  
- **RL** - Reporting / Quantitation Limit for the analysis  
- **HT** - Sample received past holding time
<table>
<thead>
<tr>
<th>Sample I.D. / Drum Numbers</th>
<th>Sample Type</th>
<th>Container Type</th>
<th>Sampling Temperature</th>
<th>Sampling Date</th>
<th>Sampling Time</th>
<th>Preservation</th>
</tr>
</thead>
<tbody>
<tr>
<td>24(2) ROW</td>
<td>Soil 402</td>
<td>G-Glass</td>
<td>197°F</td>
<td>1/17/1400</td>
<td>10:00</td>
<td>None</td>
</tr>
<tr>
<td>24(2) ROW</td>
<td>Soil 402</td>
<td>G-Glass</td>
<td>197°F</td>
<td>1/17/1400</td>
<td>10:00</td>
<td>None</td>
</tr>
<tr>
<td>24(2) ROW</td>
<td>Soil 402</td>
<td>G-Glass</td>
<td>197°F</td>
<td>1/17/1410</td>
<td>10:00</td>
<td>None</td>
</tr>
<tr>
<td>24(2) ROW</td>
<td>Soil 402</td>
<td>G-Glass</td>
<td>197°F</td>
<td>1/17/1410</td>
<td>10:00</td>
<td>None</td>
</tr>
</tbody>
</table>

Notes/Waste Generated:

SPECIAL INSTRUCTIONS:

Turnaround Time: 2 or 3 day TAT

Received On Ice: Yes ☑ No ☐

Temperature: Ambient °C

Due Date: _______
## Sample Receipt Checklist

### Client Information
- **Client Name:** SET
- **Work Order Number:** 13100203
- **Date and Time Received:** 10/7/2013 2:50:00 PM
- **Received by:** DO

### Checklist Completion
- **Checklist completed by:** [Signature] 10/7/13
- **Reviewed by:** [Signature] 12/8/13

### Matrix

<table>
<thead>
<tr>
<th>Item</th>
<th>Carrier name</th>
<th>Client Delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping container/cooler in good condition?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Custody seals intact on shipping container/cooler?</td>
<td>Yes ☐</td>
<td>No ☐</td>
</tr>
<tr>
<td>Custody seals intact on sample bottles?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Chain of custody present?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Chain of custody signed when relinquished and received?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Chain of custody agrees with sample labels/containers?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Samples in proper container/bottle?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Sample containers intact?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Sufficient sample volume for indicated test?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>All samples received within holding time?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Container or Temp Blank temperature in compliance?</td>
<td>Yes ✅</td>
<td>No ☐</td>
</tr>
<tr>
<td>Water - VOA vials have zero headspace?</td>
<td>No VOA vials submitted ☐</td>
<td>Yes ☑</td>
</tr>
<tr>
<td>Water - Samples pH checked?</td>
<td>Yes ☑</td>
<td>No ☐</td>
</tr>
<tr>
<td>Water - Samples properly preserved?</td>
<td>Yes ☑</td>
<td>No ☐</td>
</tr>
</tbody>
</table>

### Comments

Any No response must be detailed in the comments section below.

---

Any No response must be detailed in the comments section below.

---

**Client / Person contacted:**

**Date contacted:**

**Contacted by:**

**Response:**

---
October 04, 2013

SET Environmental, Inc.
450 Sumac Road
Wheeling, IL 60090
Telephone: (847) 537-9221
Fax: (847) 537-9265

RE: City of Chicago, 947 W. Cullerton, Chicago, IL

Dear SET Environmental, Inc.:

STAT Analysis received 1 sample for the referenced project on 10/3/2013 12:55:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Frank Capoccia
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.
## Work Order Sample Summary

<table>
<thead>
<tr>
<th>Lab Sample ID</th>
<th>Client Sample ID</th>
<th>Tag Number</th>
<th>Collection Date</th>
<th>Date Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>13100101-001A 32 ROW</td>
<td></td>
<td></td>
<td>10/3/2013 12:00:00 PM</td>
<td>10/3/2013</td>
</tr>
</tbody>
</table>
**Client:** SET Environmental, Inc.  
**Lab Order:** 13100101  
**Project:** City of Chicago, 947 W. Cullerton, Chicago, IL  
**Lab ID:** 13100101-001  
**Client Sample ID:** 32 ROW  
**Collection Date:** 10/3/2013 12:00:00 PM  
**Matrix:** Soil  
**Date Printed:** October 04, 2013  
**Date Reported:** October 04, 2013

<table>
<thead>
<tr>
<th>Analyses</th>
<th>Result</th>
<th>RL</th>
<th>Qualifier</th>
<th>Units</th>
<th>DF</th>
<th>Date Analyzed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metals by ICP/MS</td>
<td>SW6020 (SW3050B)</td>
<td>2300</td>
<td>1.5</td>
<td>mg/Kg-dry</td>
<td>10</td>
<td>10/4/2013</td>
</tr>
<tr>
<td>Lead</td>
<td></td>
<td></td>
<td>Analyst: BJA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percent Moisture</td>
<td>D2974</td>
<td>33.5</td>
<td>0.2</td>
<td>wt%</td>
<td>1</td>
<td>10/3/2013</td>
</tr>
<tr>
<td>Percent Moisture</td>
<td></td>
<td></td>
<td>Analyst: VA</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Qualifiers:**  
- ND - Not Detected at the Reporting Limit  
- RL - Reporting / Quantitation Limit for the analysis  
- J - Analyte detected below quantitation limits  
- S - Spike Recovery outside accepted recovery limits  
- B - Analyte detected in the associated Method Blank  
- R - RPD outside accepted recovery limits  
- HT - Sample received past holding time  
- E - Value above quantitation range  
- * - Non-accredited parameter  
- H - Holding time exceeded
### Special Instructions:

**Turnaround Time:**
- 1/2 or 3 day TAT
- Routine (5-10 days)

**Due Date:**

---

**Lab:**

**Relinquished By:**

**Date:**

**Time:**

**Received By:**

**Date:**

**Time:**

---

**Notes/Waste Generated:**

---

**Received On Ice:**

**Yes** ✔

**No**

---

**Temperature:**

**Ambient**

Rev. May 2007
## Sample Receipt Checklist

**Client Name:** SET  
**Work Order Number:** 13100101  
**Date and Time Received:** 10/3/2013 12:55:00 PM  
**Received by:** TJW

**Checklist completed by:** [Signature]  
**Date:** 10/3/13  
**Reviewed by:** EMUP  
**Date:** 10/3/13

### Matrix:

<table>
<thead>
<tr>
<th>Carrier name</th>
<th>Client Delivered</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Checks:

- **Shipping container/cooler in good condition?** Yes ✓ No □ Not Present □
- **Custody seals intact on shipping container/cooler?** Yes □ No □ Not Present ✓
- **Custody seals intact on sample bottles?** Yes □ No □ Not Present ✓
- **Chain of custody present?** Yes ✓ No □
- **Chain of custody signed when relinquished and received?** Yes ✓ No □
- **Chain of custody agrees with sample labels/containers?** Yes ✓ No □
- **Samples in proper container/bottle?** Yes ✓ No □
- **Sample containers intact?** Yes ✓ No □
- **Sufficient sample volume for indicated test?** Yes ✓ No □
- **All samples received within holding time?** Yes ✓ No □
- **Container or Temp Blank temperature in compliance?** Yes ✓ No □  
  **Temperature Ambient °C**
- **Water - VOA vials have zero headspace?** No VOA vials submitted □ Yes ✓ No □
- **Water - Samples pH checked?** Yes □ No □  
  **Checked by:**
- **Water - Samples properly preserved?** Yes □ No □  
  **pH Adjusted?**

Any No response must be detailed in the comments section below.

**Comments:**

---

**Client / Person contacted:**  
**Date contacted:**  
**Contacted by:**

---

**Response:**

---
**UNIFORM HAZARDOUS WASTE MANIFEST**

**1. Generator ID Number**

ILR000177592

**5. Generator's Name and Mailing Address**

City of Chicago 2PM
30 N. Wells Suite 300
Chicago, IL 60602

**6. Transporter 1 Company Name**

SET Environmental, Inc.

**7. Transporter 2 Company Name**

**8. Designated Facility Name and Site Address**

Enviro of Illinois
16435 Cullar Ave.
Harvey, IL 60428

**9a. HM**

**9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))**

H. 10, 12, 14, 15, 16

**10. Containers**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Quantity</th>
<th>Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>01 cm</td>
<td>15 y</td>
</tr>
</tbody>
</table>

**11. Total Quantity**

15 y

**12. Unit**

15 y

**13. Waste Codes**

D008

**14. Special Handling Instructions and Additional Information**

Lead Contaminated Soil

**15. GENERATOR/FOfferOR'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/packaged, and am 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) (i) am a large quantity generator or (b) I am a small quantity generator as true.

**16. International Shipments**

[ ] Import to U.S.

[ ] Export from U.S.

**17. Transporter Acknowledgment of Receipt of Materials**

Transporter 1 Printed/Typed Name: **Michael Dunn**

Transporter 2 Printed/Typed Name: **Eric Canales**

**18. Discrepancy**

[ ] Quantity

[ ] Type

[ ] Residue

[ ] Partial Rejection

[ ] Full Rejection

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

**20. Designated Facility Owner or Operator: Certification of Receipt of hazardous materials covered by the manifest except as noted in item 18e**

Signature: **Mike Dunn**

Date: **02/13/12**
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator ID Number**: ILR000177592

2. **Facility's Name and Mailing Address**: Envirote of Illinois
   16435 Center Ave.

3. **Transporter Company Name**: SET Environmental, Inc.

4. **Transporter Name and Address**: Harvey, IL 60426
   16435 Center Ave.

5. **HM 9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group) (If Any)**: NA307 Hazardous waste, solid, n.o.s. (D008)

6. **Container**: 001
   - **Type**: CM
   - **Quantity**: 15
   - **Waste Codes**: D008

7. **Special Handling Instructions and Additional Information**: Read Contaminated Soil

8. **Disclaimer and Certification**:
   - **Generator/Shipper's Certificate**: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, are classified, packaged, marked and labeled/boarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
   - **Facility's Certificate**: I certify that the waste minimization statement identified in 40 CFR 262.27 is as follows.

9. **International Shipment**
   - **Import to U.S.**
   - **Export from U.S.**

10. **Transporter Acknowledgment of Receipt of Materials**
    - **Transporter 1**: Eric Cameron
    - **Transporter 2**: 

11. **Discrepancy**
    - **Quantity**: 
    - **Type**: 
    - **Residue**: 
    - **Partial Rejection**: 
    - **Full Rejection**: 

12. **Alternate Facility (or Generator)**
    - **Facility's Name**: 
    - **Facility's Address**: 
    - **Signature**: 
    - **U.S. EPA ID Number**: 

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

14. **Designated Facility Owner or Operator Certification**
    - **Designated Facility Owner or Operator**: 
    - **Signature**: 
    - **Date**: 

---

**UNIFORM HAZARDOUS WASTE SHEET**

**Page 1 of 1**

**Emergency Response Phone**: 977-437-7455

**Manifest Tracking Number**: 01.2226276

**Facility's Phone**: 312-744-3838

**Manufacurer's Name and Mailing Address**: City of Chicago-2FM
30 N Lasalle Suite 300
Chicago, IL 60602

**Generators Site Address (If Different than Mailing Address)**
947 W. Cullerton
Chicago, IL 60608
**UNIFORM HAZARDOUS WASTE MANIFEST**

1. **Generator ID Number**
   - ILR000177592

2. **Generator's Name and Mailing Address**
   - City of Chicago-2FM
   - 30 N LaSalle Suite 300
   - Chicago, IL 60602

3. **Generator's Phone**
   - 312-744-5539

4. **Transporter 1 Company Name**
   - SET Environmental, Inc.

5. **Transporter 2 Company Name**
   - Envite of Illinois
   - 16435 Center Ave.
   - Harvey, IL 60426

6. **Designated Facility Name and Site Address**
   - Enviroleaf
   - 16435 Center Ave.
   - Harvey, IL 60426

7. **Facility's Phone**
   - (708) 596-7040

8. **Nature of Waste**
   - NA3077 Hazardous Waste, solid, n.o.s. (1908)
     - PGK ERG# 171

9. **HAZARDOUS MATERIALS HANDLING INSTRUCTIONS**
   - Lead Contaminated Soil (J134051EIL)

10. **GENERATOR/OFFER'S CERTIFICATION**
    - I certify that the waste minimization statement identified in 40 CFR 262.27(a) (1) is true.

11. **Shipping Instructions**
    - Export from U.S.

12. **Transporter Acknowledgment**
    - Eric Camacho
    - Signature

13. **Alternative Facility Name**
    - Facility's Name
    - Signature

14. **HAZARDOUS WASTE REPORT MANAGEMENT**
    - Method Codes
      - C110

15. **Designated Facility Owner or Operator**
    - Signature

---

**DESIGNATED FACILITY TO GENERATOR**

---

**EPA Form 8700-22 (Rev 3-05) Previous editions are obsolete.**
<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generator ID Number</td>
<td>ILR000177592</td>
</tr>
<tr>
<td>Generator's Name</td>
<td>City of Chicago-2FM</td>
</tr>
<tr>
<td>Address</td>
<td>30 N LaSalle Suite 300 Chicago, IL 60602</td>
</tr>
<tr>
<td>Phone</td>
<td>312-744-3639</td>
</tr>
<tr>
<td>Transporter 1 Company Name</td>
<td>SET Environmental, Inc.</td>
</tr>
<tr>
<td>U.S. EPA ID Number</td>
<td>ILD981957236</td>
</tr>
<tr>
<td>Transporter 2 Company Name</td>
<td></td>
</tr>
<tr>
<td>U.S. EPA ID Number</td>
<td></td>
</tr>
<tr>
<td>Signer's Printed/Typed Name</td>
<td>Michael L. W. White</td>
</tr>
<tr>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>7/2/13</td>
</tr>
<tr>
<td>Transporter</td>
<td>Nvil</td>
</tr>
<tr>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>7/2/13</td>
</tr>
<tr>
<td>Transporter</td>
<td>Nvil</td>
</tr>
<tr>
<td>Signature</td>
<td></td>
</tr>
<tr>
<td>Date</td>
<td>7/2/13</td>
</tr>
<tr>
<td>Remarks</td>
<td>Lead Contaminated Soil</td>
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<tr>
<td>Hazardous Waste Codes</td>
<td>D008</td>
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<tr>
<td>Manifest Reference Number</td>
<td>ILD000666206</td>
</tr>
<tr>
<td>U.S. EPA ID Number</td>
<td></td>
</tr>
<tr>
<td>Facility's Name and Address</td>
<td>Envite of Illinois 16435 Center Ave. Harvey, IL 60426</td>
</tr>
<tr>
<td>Phone</td>
<td>(708) 598-7040</td>
</tr>
<tr>
<td>Hazardous Waste Code</td>
<td>D008</td>
</tr>
<tr>
<td>Quantity</td>
<td>15</td>
</tr>
<tr>
<td>Weight</td>
<td>Y</td>
</tr>
<tr>
<td>Remarks</td>
<td>Lead Contaminated Soil</td>
</tr>
</tbody>
</table>

**Transporter Certification:**
I hereby declare the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked, and labeled/packaged, and am in all respects in proper condition for transport according to applicable international and national governmental regulations. 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.

**Facility's Signature:**
Michael L. W. White

**Date:** 7/2/13
**UNIFORM HAZARDOUS WASTE MANIFEST**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Generator ID Number</td>
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<tr>
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<td>Page 1 of 1</td>
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<tr>
<td>3</td>
<td>Emergency Response Phone</td>
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<tr>
<td>4</td>
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<tr>
<td>5</td>
<td>Generator's Name and Mailing Address</td>
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<tr>
<td>6</td>
<td>Generator's Phone</td>
</tr>
<tr>
<td>7</td>
<td>Generator's Site Address (if different than mailing address)</td>
</tr>
<tr>
<td>8</td>
<td>Transporter 1 Company Name</td>
</tr>
<tr>
<td>9</td>
<td>Transporter 2 Company Name</td>
</tr>
<tr>
<td>10</td>
<td>Designated Facility Name and Site Address</td>
</tr>
<tr>
<td>11</td>
<td>Facility's Phone</td>
</tr>
<tr>
<td>12</td>
<td>Facility Tracking Number</td>
</tr>
</tbody>
</table>

**9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))**

<table>
<thead>
<tr>
<th>RC</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA3077</td>
<td>Hazardous waste, solid, n.o.s. (D008)</td>
</tr>
</tbody>
</table>

**10. Containers**

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CM</td>
<td>150</td>
</tr>
</tbody>
</table>

**11. Total Weight**

<table>
<thead>
<tr>
<th>12. Unit</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHO</td>
<td></td>
</tr>
</tbody>
</table>

**13. Waste Codes**

<table>
<thead>
<tr>
<th>13. Waste Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>D008</td>
</tr>
</tbody>
</table>

**14. Special Handling Instructions and Additional Information**

- Load Began Contaminated Soil

**15. Generator/Shipper's Certification**

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, are classified, packaged, marked and labeled, and are in all respects in proper condition for transportation in accordance with applicable international and national governmental regulations. If I am the Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

I certify that the above information is true.

**Generator/Shipper's Printed/Typed Name**

Michael A. Livingston

**Signature**

Michael A. Livingston

**U.S. EPA ID Number**

ILD981957236

**Port of Entry/Exit**

<table>
<thead>
<tr>
<th>Import to U.S.</th>
<th>Export from U.S.</th>
<th>Port of entry/exit</th>
<th>Date leaving U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Transporter 1 Printed/Typed Name**

Michael Weigel

**Signature**

Michael Weigel

**U.S. EPA ID Number**

ILD98000866206

**Transporter 2 Printed/Typed Name**

Michael Weigel

**Signature**

Michael Weigel

**Manifest Reference Number**

<table>
<thead>
<tr>
<th>Manifest Reference Number</th>
<th>U.S. EPA ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ILD98000866206</td>
</tr>
</tbody>
</table>

**16. International Segments**

- [ ] Import to U.S.
- [ ] Export from U.S.

**Transporter's Name (for exports only)**

Michael A. Livingston

**Signature**

Michael A. Livingston

**Date Leaving U.S.**

<table>
<thead>
<tr>
<th>Date Leaving U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**17. Transporter Acknowledgment of Receipt of Materials**

<table>
<thead>
<tr>
<th>Transporter 1 Printed/Typed Name</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michael Weigel</td>
<td></td>
</tr>
</tbody>
</table>

**Date**

<table>
<thead>
<tr>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3</td>
</tr>
</tbody>
</table>

**18. Discrepancy**

- [ ] Quantity
- [ ] Type
- [ ] Residue
- [ ] Partial Rejection
- [ ] Full Rejection

**Manifest Reference Number**

<table>
<thead>
<tr>
<th>Manifest Reference Number</th>
<th>U.S. EPA ID Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ILD98000866206</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Method Codes</th>
</tr>
</thead>
<tbody>
<tr>
<td>D008</td>
</tr>
</tbody>
</table>

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

**Printed/Typed Name**

Michael A. Livingston

**Signature**

Michael A. Livingston

**Date**

<table>
<thead>
<tr>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/3</td>
</tr>
</tbody>
</table>

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**DESIGNATED FACILITY TO GENERATOR**

EPA Form 8700-22 (Rev. 3-06) Previous editions are obsolete.