



ENVIRONMENTAL CONSULTANTS

300 SOUTH WACKER DRIVE, SUITE 1300
 CHICAGO, ILLINOIS 60606
 (PHONE) 312.465.1740
 (FAX) 414.837.3608

**Crawford Station Manufactured Gas Plant
 Parcel L
 Chicago, Illinois
 Weekly Field Progress Report**

Report Date: January 30, 2015

Prepared By: Natural Resource Technology, Inc. (NRT)

Submitted To: Integrys Business Support, LLC (IBS)

Activity Period: January 18, 2015 through January 24, 2015

Active Parties: Burns & McDonnell, Tecnica Environmental Services, Waste Management, Thatcher, Marina Transport

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station manufactured gas plant (MGP) Time Critical Removal Action (AOC V-W-11-C-981):

Tasks	Environmental Activities
General Description of Work Performed	<p>The following activities were conducted during the course of the week:</p> <ul style="list-style-type: none"> ▪ Continuous on-site perimeter air monitoring as defined in the RAWP was provided by NRT. In addition to the continuous perimeter air monitoring, a series of 24-hour air samples were collected for laboratory analysis for site specific VOCs and PAHs. ▪ Excavated materials were transported to Waste Management's Laraway Road RDF landfill. A total of 5,775.91 tons (296 loads) of material were disposed of from January 18, 2015 through January 24, 2015. A total of 790,484.69 tons (41,119 loads) of excavated material has been disposed during the Parcel L Time Critical Removal Action. ▪ Tecnica excavated material from between the earth retention system cross bracing along the eastern site boundary to 22 feet bgs. Excavation will be suspended until the second row of cross bracing is installed. ▪ Tecnica continued to backfill and compact Area 4E and the former River excavation with CA-6 imported gravel to a predetermined final grade. ▪ Wastewater was pumped from the former River excavation and the eastern site boundary excavation areas to the on-site WWTS.



Tasks	Environmental Activities
Sampling Activities Performed	The following sampling activities were conducted during the course of the week: <ul style="list-style-type: none"> ▪ A total of 11 Summa canister air samples (150119001-150119006 and 150121001-150121005) and six PUF air samples (150119007-150119012) were collected and submitted to Test America Laboratories for BTEX/Naphthalene and select PAH analyses, respectively. ▪ Four post excavation soil samples (150122001-150122002 and 150123001-150123002) were collected from the excavation area along the eastern site boundary. The samples were submitted to TestAmerica Laboratories for analysis of post-excavation parameters. ▪ One effluent wastewater sample was collected from the on-site WWTS (150121006). The sample was sent to Environmental Monitoring and Technologies for analysis of the MWRD permit-specific analyte list.
Equipment Deployed	PUF sampling systems Summa canisters with 24-hour flow regulators AirLogics Air Monitoring Stations Photo ionization detectors (PIDs) GPS handheld unit Hand auger and shovels
Field Photos	See Field Photos below

Additional Site Activities:

- Concrete and metal debris from former MGP structures were continuously broken down for disposal or, if determined to be clean, future on-site use.
- Thatcher Foundations, Inc. was on site on January 23, 2015 for the weekly construction meeting to discuss the earth retention system cross bracing installation and equipment mobilization.

Work planned for the coming week, January 25, 2015 through January 31, 2015, is as follows:

- Continue backfilling and compacting of Area 4E and the former River excavation with CA-6 imported gravel, weather permitting.
- Continue pumping wastewater from the former river excavation and the eastern site boundary excavation areas as needed and weather permitting.
- Begin installation of second row of earth retention system cross bracing at 20 feet bgs.
- Provide continuous perimeter air monitoring, and collect air samples as described in the Parcel L RAWP.
- Review sampling data received from laboratories that provided analyses, and apply this data in providing environmental oversight.





A weekly field progress report will continue to be issued throughout the duration of field activities for this Time Critical Removal Action.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

A handwritten signature in black ink, appearing to read "Tim Norris".

Timothy B. Norris, P.G.
Geologist

A handwritten signature in black ink, appearing to read "John M. Nardozi".

John M. Nardozi, P.E.
Principal Engineer



Field Photos:



Photo 1: Tecnica continues to compact CA-6 backfill in Area 4E and the former River excavation.

Direction: West

Photo Date: 1/21/2015

Photo Taken By: JRK



Photo 2: Tecnica pumping wastewater from the former River excavation to the on-site WWTS.

Direction: South

Photo Date: 1/23/2015

Photo Taken By: JRK





ENVIRONMENTAL CONSULTANTS

300 S. WACKER DRIVE, SUITE 1300
 CHICAGO, IL 60606
 (P) 312.465.1740
 (F) 414.837.3608

**Crawford Station Manufactured Gas Plant Site
 Parcel ABO
 Chicago, Illinois
 Weekly Field Progress Report**

Report Date: August 19, 2015

Prepared By: Natural Resource Technology, Inc.
 Vincent M. Guiliani, PE
 Timothy B. Norris, PG
 John M. Nardozi, PE

Submitted To: Peoples Gas Light and Coke Company (PGL)
 Naren M. Prasad, PE

Activity Period: July 26, 2015 through August 1, 2015

The following summarizes the environmental field activities performed by NRT at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

Tasks	Environmental Activities
General Description of Work Performed	<p>The following activities were conducted:</p> <ul style="list-style-type: none"> ▪ Excavated soils were loaded and transported to Waste Management's Laraway Road RDF landfill for disposal. A total of 2,598.43 tons (136 loads) of material was disposed of at the landfill from July 26, 2015 through August 1, 2015. A total of 8,556.32 tons (449 loads) of material has been disposed of during the pipeline excavation near ARA-W. ▪ Tecnica continued excavation of impacted material westward along the high pressure gas line. Approximately 240 linear feet of material has been excavated to date. ▪ NRT conducted air monitoring activities for PM10 using DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene using SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site. ▪ Tecnica pumped excavation wastewater to the on-site frac tanks and to North Branch Environmental tanker trucks for transport and treatment at the Parcel L WWTS. ▪ Tecnica utilized a water truck, Rusmar Foam, and woodchips to suppress odors and particulate generated from construction activities. ▪ Nash Brothers Construction installed pipeline support cribs approximately 175 feet, 200 feet, and 225 feet west of the eastern excavation extent throughout the week for structural support.



Tasks	Environmental Activities
Sampling Activities Performed:	NRT conducted the following sampling activities: <ul style="list-style-type: none"> ▪ Three post-excavation soil samples (150729505-150729507) were collected along the pipeline near ARA-W during the course of the week. These soil samples were submitted to Test America laboratories and analyzed for the soil constituents defined in the RAWP for Parcel ABO. ▪ Four Summa canister air samples (150729501-150729504) were collected and submitted to TestAmerica laboratories for BTEX/Naphthalene analyses. Three Summa samples were deployed on Parcel O at all DustTrak locations and one Summa sample was deployed at the DustTrak location on Parcel L.
NRT Field Personnel	Vince Guiliani Ron Horan Bob Woodruff Jeff Kampman
Equipment Deployed	SUMMA Canisters DustTraks PIDs
Field Photos	See attached sheets

Work planned for the coming week, August 2, 2015 through August 8, 2015, is as follows:

- Continue backfill and compaction operations with clay, sand, and CA-7 stone moving west along the pipeline near ARA-W.
- Complete excavation moving west along the pipeline near ARA-W.
- Continue pumping wastewater from the excavation area and two sump areas to the frac tanks on site.
- Transport excavation wastewater to Parcel L for treatment and discharge to the approved MWRD sewer.
- Continue to conduct air monitoring activities for PM10 using DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene using SUMMAS, and real time VOC concentrations using PIDs.
- Collect post-excavation soil samples from the excavation area walls and floors to ensure removal of source material as needed.
- Review sampling data received from laboratories that provided analyses, and apply this data in providing environmental oversight.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

Timothy B. Norris, PG
 Geologist

John M. Nardozzi, P.E.
 Principal Engineer



Field Photos:



Photo 1: Technica excavating impacted material south of the pipeline near Area ARA-W.

Direction: Facing northwest

Photo Date: 7/27/2015

Photo Taken By: VMG



Photo 2: Installation preparation for the pipeline support cribbing.

Direction: Facing south

Photo Date: 07/30/2015

Photo Taken By: RJH

