



**Remediation Weekly Activity Summary Report
Ameren LaSalle Former MGP - Soil Removal Action**

Period: June 8 through 14, 2015 (Week 91)
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

General Remediation Activities Completed:

PSC continued to excavate and backfill portions of Phases 14 and 15 near the former police shooting range. The figure on Page 2 shows the extent of the excavation and completed backfilling areas. A total of 16,662.50 tons of Construction Debris (0 tons this week) and 59,743.03 tons of Non-Source Material (1,555.61 tons this week) have been removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 6,181.97 tons of clay (0 tons this week) and 86,735.73 tons of rock (lime screenings, one-inch minus, and two- to three-inch clean rock) (859.86 tons this week) have been brought in for backfill. To address the haul roads and parking areas, a total of 1,212.89 tons of one-inch clean rock has been brought in (0 tons this week). Approximately 0 gallons of water removed from the excavation are currently containerized, while approximately 1,741,100 gallons (29,000 this week) have been hauled offsite for disposal.

Monday - June 8:

Site was flooded after two inches of rain over the weekend. Crew pumped water into Frac Tank #1, filled it, and began pumping water into Frac Tank #2. Confirmation samples in the police shooting range exceeded remedial objectives, so PSC loaded out stockpiled material and began excavating material from the backstop in Phase 15. Two Kirschhoffer trucks hauled the material to the landfill. The crew dug a new sump closer to the canal embankment. Bodine was on site to take a load of impacted water from Frac Tank #1. He will take the water to PDC in Clinton, Illinois tomorrow for proper disposal. The storm water basin was full of water and calls were placed to the City and QLF to get it pumped down.

Tuesday - June 9:

PSC continued to excavate near the backstop in Phase 15 down to 12+ feet bgs, with two Kirschhoffer trucks hauling the waste from the site. The crew pumped water as needed. PSC marked and staked the force mains and storm sewer by-pass on site. Bodine was on site to haul impacted water to PDC in Clinton, Illinois, for proper disposal. PSC collected 12 confirmation samples in the deep excavation on the west side of the force main, including one floor sample and three wall samples (west, north, and east sides of excavation). QLF pumped water from the storm water basin into the city wastewater treatment plant (WWTP).

Wednesday - June 10:

PSC continued to excavate and load out material from the backstop and the west side of the force main with two Kirschhoffer trucks. Two Pohar trucks delivered 1" x 3" stone to be used as backfill at the bottom of the excavation on the west side of the force main in order to bridge the water and soft bottom. Pugsley's pipe was delivered to the site. QLF pumped water into the WWTP from the storm water basin.

Thursday - June 11:

PSC continued to excavate and load out material from the backstop area and the west side of the force main. Two Kirschhoffer trucks hauled waste from the site. PSC collected soil samples from M-19 of Phase 15, including the east and west walls and a floor sample. Bodine was on site to haul impacted water to PDC in Clinton, Illinois. Began backfilling with 1" x 3" rock to bridge water and ensure drainage. QLF pumped water from the storm water basin into the city WWTP.

Friday - June 12:

PSC loaded some material from Phase 15 into the two Kirschhoffer trucks before the landfill called and cancelled due to site conditions at 8:45am. Bodine was sent to the site by Bodine management and loaded the last 4,000 gallons of impacted water from the Frac tanks to take to PDC. Both tanks are now empty. Pohar delivered lime screenings with two trucks. Crew began to backfill with the material, but then switched to stockpiling after considering the predicted rain this weekend. QLF pumped water into the city WWTP from the storm water basin.

Saturday - June 13:

No work performed today.

Health & Safety Activities:

Weather Conditions: This week was a mix of sunshine and thunderstorms. Highs ranged from 77 to 90 degrees F and lows ranged from 62 to 75 degrees F.

H&S Issues/ Other: Safety topics for the week included "Head Injuries- After the Fall," "Personal Ergonomics," "How Loud is Loud?," "Job Safety Checklist," and "Serious Injuries."

Out of Scope Items:

None.



**Remediation Footprint and Excavation Progress Map
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**Air Monitoring Activity Summary Report
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**LaSalle MGP Air Monitoring Progress Report
Week Ending June 13, 2015**

Developments During Reporting Period

Activities Performed

- Time-integrated air samples were collected from June 4th to June 7th, June 7th to June 10th and June 10th to June 13th. Samples collected on June 7th and June 10th were picked up by STAT on June 8th and June 11th, respectively. Samples collected on June 13th are expected to be picked up by STAT on June 16th.
- CEC performed hourly real-time air monitoring during work hour at the five time-integrated air monitoring station locations for particulate matter less than 10 micron in aerodynamic size (PM₁₀) and volatile organic compounds (VOC). Results indicate that all parameters are below the real-time action levels.

Sampling Problems Encountered

- None

Real-time Air Quality Exceedances Detected

- None

Time-integrated Analytical Data Received

- Time-integrated sampling results for sampling events thru include sampling events thru April 15th were reported via email on May 1st. Analytical results to date for benzene, PM₁₀ and PAHs indicate that the running average air concentration at each air monitoring station is less than the risk-based standards calculated for the project. CEC will continue to update results as analytical data becomes available.

Developments Anticipated During Next Reporting Period

Activities to be Performed

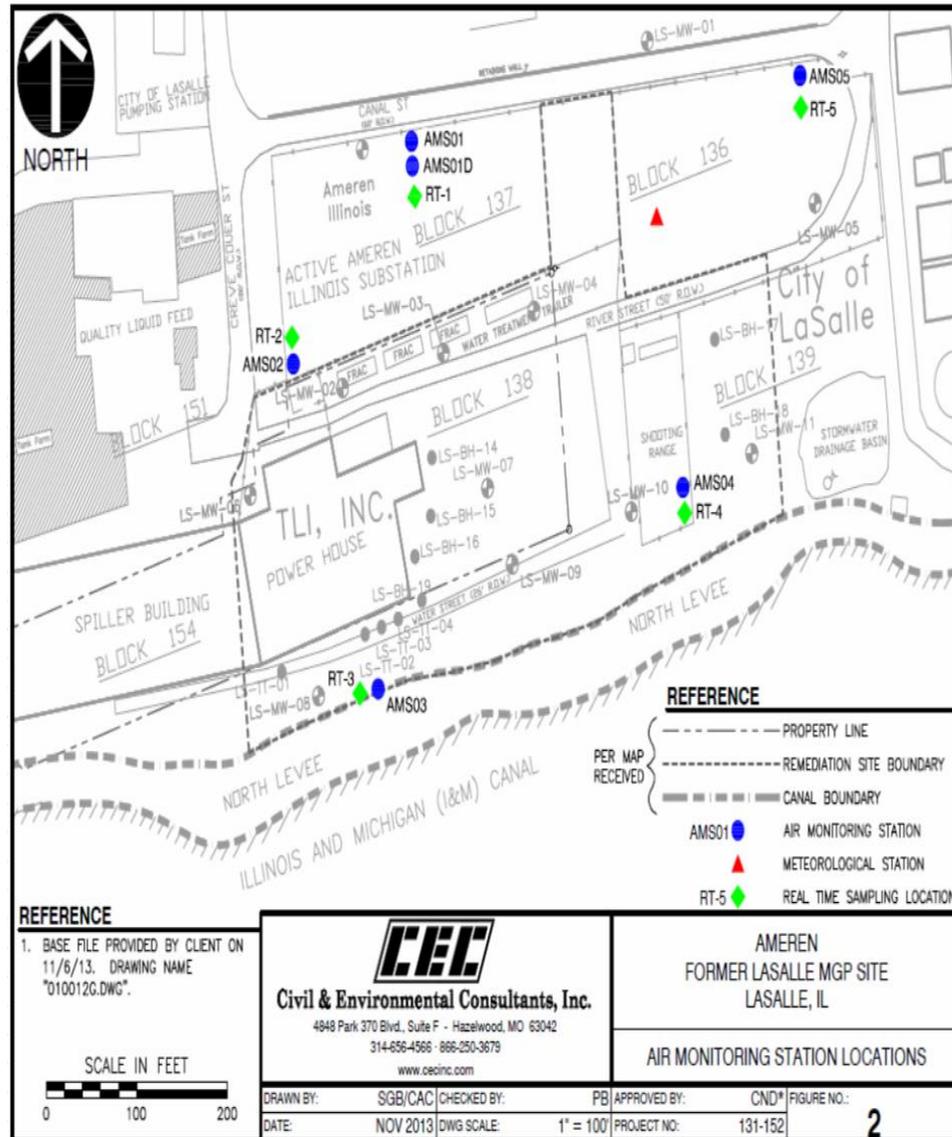
- Continue time-integrated air monitoring at the five air monitoring stations.
- Real-time monitoring continuing during remedial activities.
- Continue monitoring and reporting of real-time air monitoring results during the project.
- Review time-integrated analytical data and prepare preliminary air monitoring results as they become available.
- Perform data validation activities as data becomes available from STAT.



**Air Monitoring Station Locations
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**Project Milestones Summary Report
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Project Milestones

Actual Quantities

Weather:

Rainfall (inches)
 Snowfall (inches) winter 2014-2015

Prior Total: This Period: Total To Date:

Prior Total:	This Period:	Total To Date:
11.98	4.50	16.48
36.27	0.00	36.27

2014 total 41.82" rain
 snowfall for winter 2013-2014 was 60.15"

Material Type:

Project Estimates

Original: Revised:

Solid Waste Material:

Construction & Demolition Debris- Republic (tons)
 MGP Impacted Soil (Non-Source)- Republic (tons)
 MGP Impacted Soil (Source)- PDC (tons)
 TOTAL

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
Construction & Demolition Debris- Republic (tons)	16,662.50	0.00	16,662.50	0	0
MGP Impacted Soil (Non-Source)- Republic (tons)	58,187.42	1,555.61	59,743.03	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	74,849.92	1,555.61	76,405.53	0	0

Addt. Solid Waste Material:

Clean Brick-Canon Pit (loads)
 Asbestos Containing Material (ACM)- Republic (tons)
 Scrap Metal (loads)
 United Scrap Material (weight)

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
Clean Brick-Canon Pit (loads)	111.00	0.00	111.00	0	0
Asbestos Containing Material (ACM)- Republic (tons)	1,240.00	0.00	1,240.00	0	0
Scrap Metal (loads)	8.00	0.00	8.00	0	0
United Scrap Material (weight)	143.40	0.00	143.40	0	0

Clean Material:

CM-06, 1-inch Minus (tons)
 Lime Screenings (tons)
 CS-02, 2- to 3-Inch Clean Stone (tons)
 2-Inch Clean Stone (tons)
 4-Inch Crushed Concrete (tons)

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
CM-06, 1-inch Minus (tons)	15,233.60	0.00	15,233.60	0	0
Lime Screenings (tons)	63,656.62	437.39	64,094.01	0	0
CS-02, 2- to 3-Inch Clean Stone (tons)	6,985.65	422.47	7,408.12	0	0
2-Inch Clean Stone (tons)	0.00	0.00	0.00	0	0
4-Inch Crushed Concrete (tons)	0.00	0.00	0.00	0	0

Stone Backfill Subtotal

CA-7, 1-Inch Clean Stone (tons)
 CA-11 from Utica Quarry (3/4 crushed, tons)
 Clean Soil Backfill (tons)
 Top Soil (cubic yard)

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
<u>Stone Backfill Subtotal</u>	85,875.87	859.86	86,735.73	0	0
CA-7, 1-Inch Clean Stone (tons)	1,189.61	0.00	1,189.61	0	0
CA-11 from Utica Quarry (3/4 crushed, tons)	23.28	0.00	23.28	0	0
Clean Soil Backfill (tons)	6,181.97	0.00	6,181.97	0	0
Top Soil (cubic yard)	0.00	0.00	0.00	0	0
TOTAL	93,270.73	859.86	94,130.59	0	0

Treated Wastewater:

Accumulated in onsite storage (gallons)
 Discharged to PDC (gallons)

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
Accumulated in onsite storage (gallons)	1,712,100	29,000	1,741,100	0	0
Discharged to PDC (gallons)	1,712,100	29,000	1,741,100	0	0

*MGP Impacted Soil volume is data presented in the site investigation report.

Trucks Transporting:

Monday Tuesday Wednesday Thursday Friday Issues

	Monday	Tuesday	Wednesday	Thursday	Friday	Issues
Actually Received	2	2	4	2	4	2 Kirschhoffer trucks called off Fri. due to landfill conditions
Requested	2	2	4	2	4	2 Kirschhoffer trucks every day, 2 Pohar Wed/ Fri



Loading out stockpiled material with built-up stone road next to flooded excavation.



Excavation progress west of the force main in Phase 15.



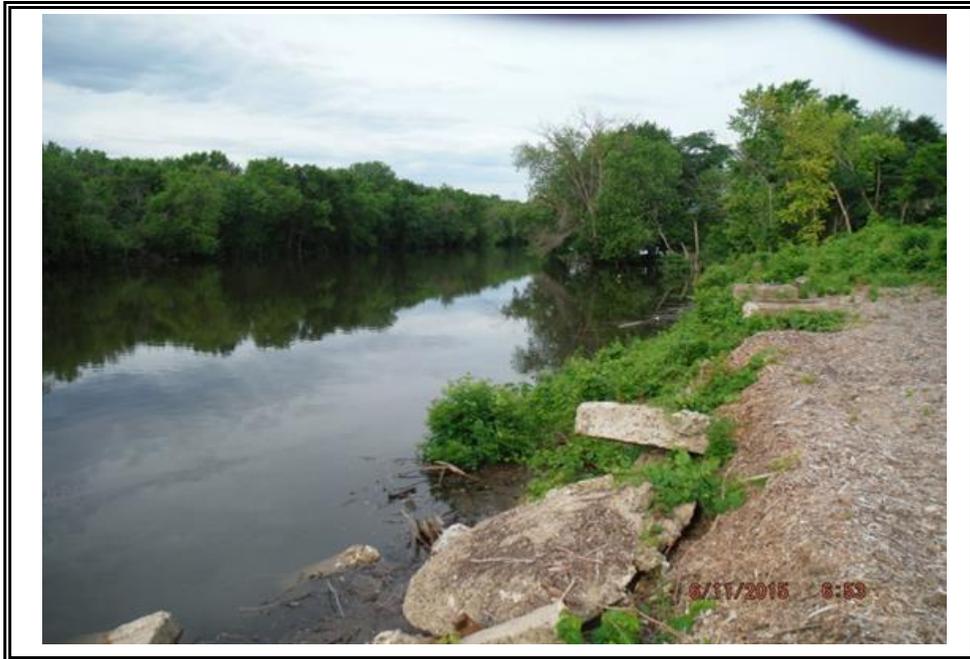


Looking south at deep excavation adjacent to force main; loading stockpile



Placing 1" x 3" into excavation in Phase 15





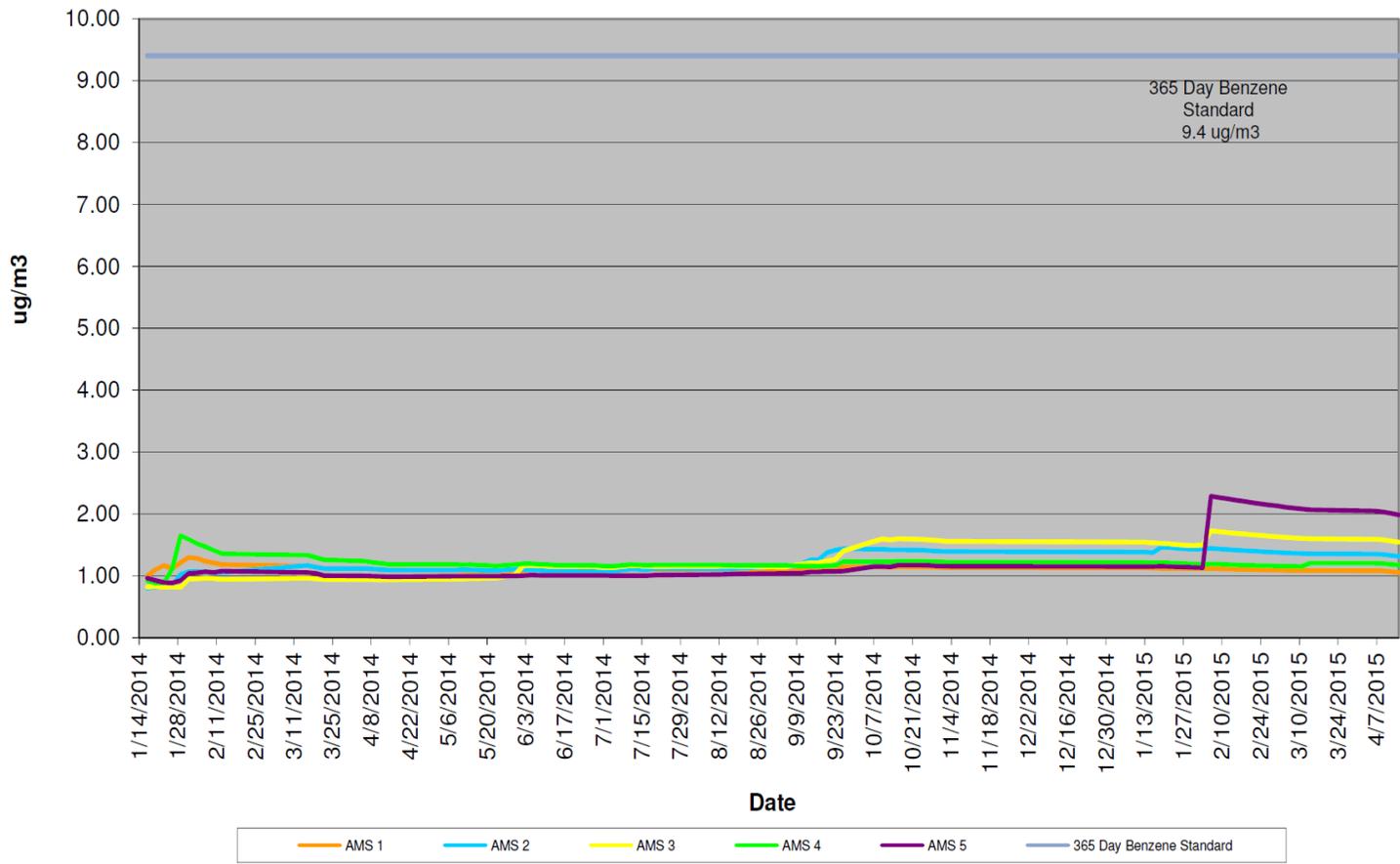
Canal water level is very high



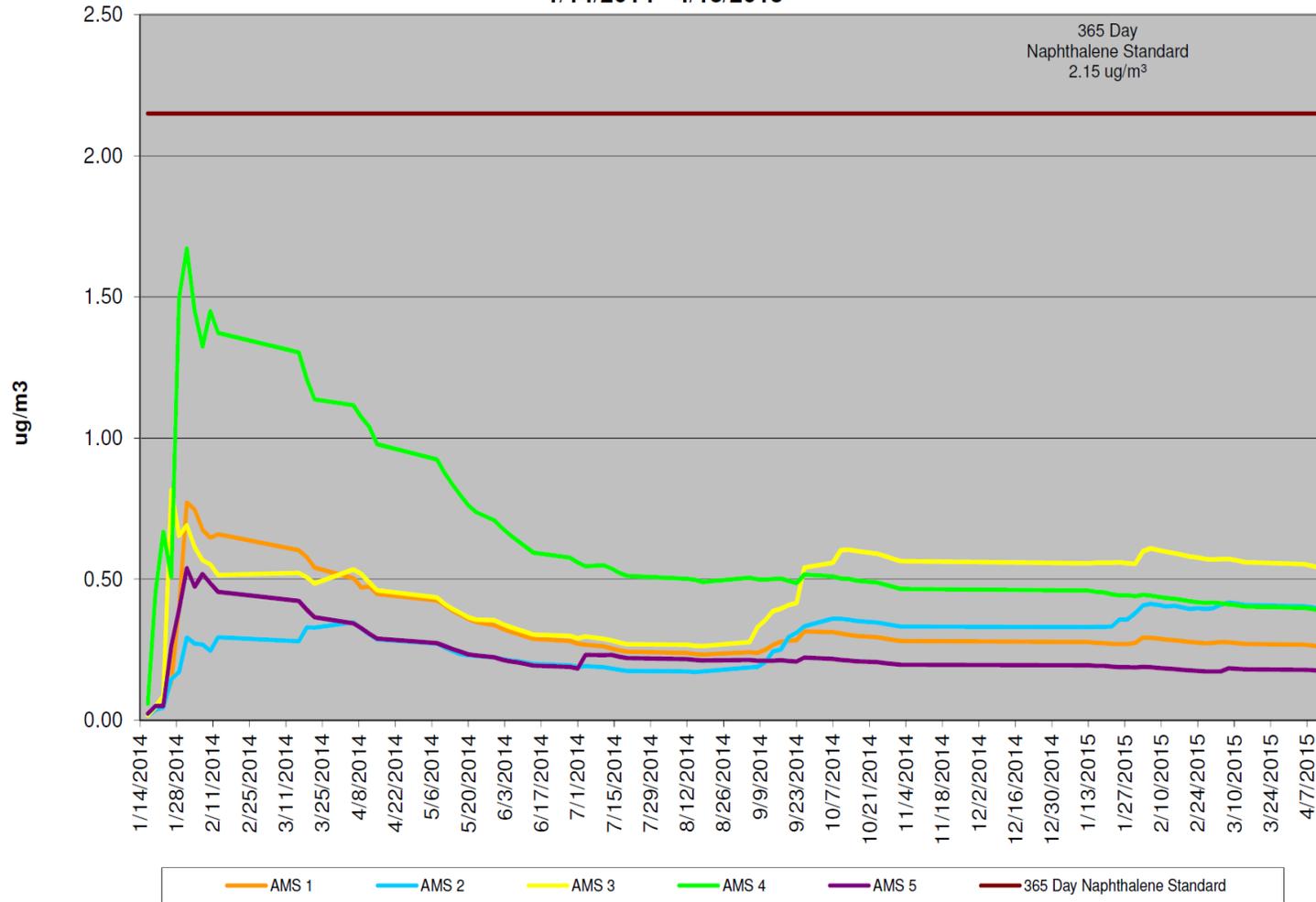
Backfilling and compacting material in Phase 15



Preliminary Benzene Running Averages LaSalle MGP Site 1/14/2014 - 4/15/2015



Preliminary Naphthalene Running Averages LaSalle MGP Site 1/14/2014 - 4/15/2015



Preliminary PM₁₀ Running Averages LaSalle MGP Site 1/14/2014 to 4/15/2015

