



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

Period: July 20 through July 26, 2015 (Week 97)
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

General Remediation Activities Completed:

Backfilling activities were completed this week in Phases 14 and 15 except for near the force main. Excavation on and around the force main began on Wednesday and continued throughout the week. Soft-dig activities in the substation began on Tuesday and also continued throughout the week. A total of 16,662.50 tons of Construction Debris (0 tons this week) and 61,367.34 tons of Non-Source Material (0 tons this week) has been removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 6,181.97 tons of clay (0 tons this week) and 89,851.22 tons of rock (lime screenings, one-inch minus, two- to three-inch clean rock, and CA6; 75.39 tons this week) has been brought in for backfill. To address the haul roads and parking areas, a total of 1,312.45 tons of one-inch clean rock has been brought in (0 tons this week). Approximately 4,000 gallons of water removed from the excavation are currently containerized, while approximately 1,786,100 gallons (0 gallons this week) have been hauled offsite for disposal.

Monday - July 20:

The Canal water level dropped 0.7 inches over the weekend (at 24.8'). PSC continued to backfill the former police shooting range area with lime screenings and CA-6 delivered by four Pohar trucks. JF Electric was on site to continue removing conduit and wires along the substation fence. PSC tested the compaction of the last lift of lime screenings in the former police shooting range; all three tests passed at over 95% compaction. The backfill was completed in Phases 14 and 15 with the exception of the sewer main location. QLF did not operate the aerators in the storm water basin over the weekend, including last Friday. QLF informed PSC that they would sample the water and report back on a management plan.

Tuesday - July 21:

The crew finished compacting and grading the former police shooting range area and prepared for excavation with a mini excavator on top of the force main. PSC's air knife crew was on site this morning to soft dig the locations for the new fence post holes and expose the grounding grid. JF Electric was on site to install flex lines to the east and south air monitoring stations. Canal water levels were down another 0.8 inches since yesterday. QLF did not operate the aerators. QLF reported that levels were around 60 ppm on Monday's test, and they will continue to sample this week.

Wednesday - July 22:

PSC began excavating over and around the force main in the former police shooting range area after it was located with the air knifing equipment. The material was stockpiled. Brian Jones from Ameren's substation group was on site with new specifications and requests for the new fence. PSC's air knife crew continued to clear locations for the fence post holes in the substation. JF Electric continued to install flex lines for the east and south air monitoring stations. QLF did not operate the aerators in the storm water basin.

Thursday - July 23:

PSC continued to excavate over and around the force main in the former police shooting range area. The crew pumped water into Frac Tank #1. PSC's air knife crew continued to work in the substation, clearing locations for new fence post holes, to expose the grounding grid, and working on the additional trenches requested by Ameren on Wednesday. A crew from Sickley was on site to begin work on the end wall construction (QLF building); removed the temporary end wall. QLF did not operate the aerators in the storm water basin, and has not contacted the on-site crew with an update on the water management.

Friday - July 24:

PSC continued to excavate and stockpile material from over and around the force main on the south side of the former police shooting range. PSC's air knife crew continued to work in the substation. Sickley's crew was on site to work on the end wall construction (QLF building). Canal water level is at 22.21'. QLF did not aerate the storm water basin. QLF reported that ammonia levels were still dropping (high 50s) and that the ammonia level will be checked daily. QLF reported that the plan is to resume pumping on Monday.

Saturday - July 25:

No work performed today.

Health & Safety Activities:

Weather Conditions: This week was mostly sunny, clear, and slightly cooler, with temperatures rising at the end of the week. Highs ranged from 79 - 84 degrees F, while lows ranged from 62 - 66 degrees F.

H&S Issues/ Other: Safety topics for the week included "Slips, Trips, and Falls," "When You Least Expect It," "Distracted & Dozing," "Stay Alert," and "Look Before You Leap."

Out of Scope Items:

Additional air knifing, adherence to new fence and grounding grid specifications, and installation of electrical conduit requested by Ameren representative; scope change request sent on July 28.



Remediation Footprint and Excavation Progress Map Ameren LaSalle Former MGP - Soil Removal Action

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**Air Monitoring Activity Summary Report
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**LaSalle MGP Air Monitoring Progress Report
Week Ending July 25, 2015**

Developments During Reporting Period

Activities Performed

- Time-integrated samples were collected from July 20^h to July 23th and July 23th to July 26th. Samples collected on July 20th were picked up by STAT on July 23th. Samples collected on July 23th were expected to be picked up on July 26th.
- 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

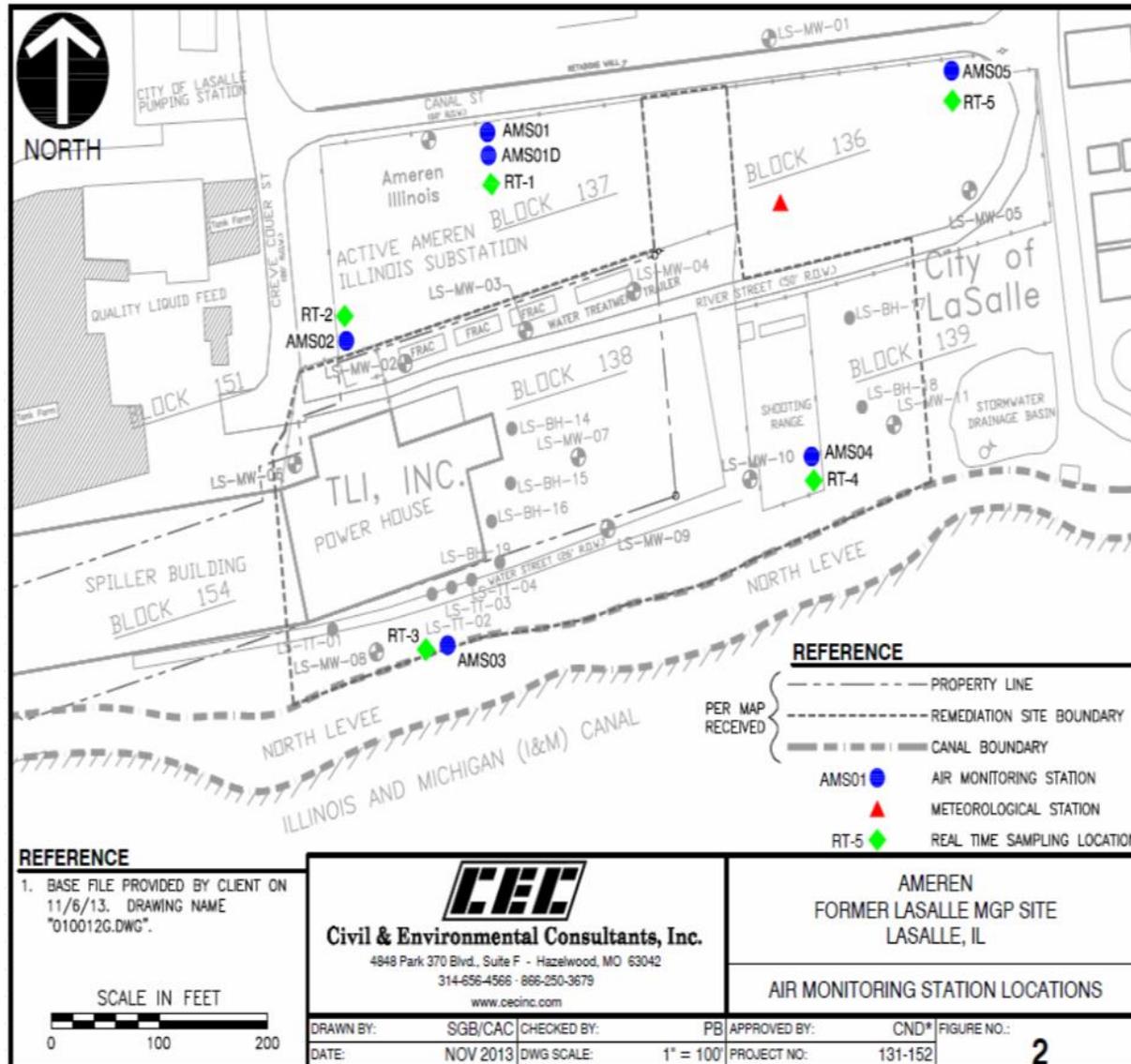
- Time-integrated air monitoring at the five air monitoring stations.
- Real-time monitoring continuing during remedial activities.
- Continue monitoring and reporting of real-time air monitoring results during the project.
- Review time-integrated analytical data and prepare preliminary air monitoring 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

<u>Weather:</u>	<u>Prior Total:</u>	<u>This Period:</u>	<u>Total To Date:</u>	
Rainfall (inches)	23.38	0.00	23.38	2014 total 41.82" rain
Snowfall (inches) winter 2014-2015	36.27	0.00	36.27	snowfall for winter 2013-2014 was 60.15"

Material Type:

Project Estimates

Original: Revised:

Solid Waste Material:

Construction & Demolition Debris- Republic (tons)	16,662.50	0.00	16,662.50	0	0
MGP Impacted Soil (Non-Source)- Republic (tons)	61,367.34	0.00	61,367.34	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	78,029.84	0.00	78,029.84	0	0

Addt. Solid Waste Material:

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)	14,632.93	0.00	14,632.93	0	0
Lime Screenings (tons)	64,890.22	286.42	65,176.64	0	0
CS-02, 2- to 3-Inch Clean Stone (tons)	7,561.25	40.72	7,601.97	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
CA6 (Grade 8 rock, tons)	1,991.43	448.25	2,439.68	0	0
<i>Stone Backfill Subtotal</i>	<i>89,075.83</i>	<i>775.39</i>	<i>89,851.22</i>	<i>0</i>	<i>0</i>
CA-7, 1-Inch Clean Stone (tons)	1,312.45	0.00	1,312.45	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	96,593.53	775.39	97,368.92	0	0

Treated Wastewater:

Accumulated in onsite storage (gallons)	1,789,100	1,000	1,790,100	0	0
Discharged to PDC (gallons)	1,786,100	0	1,786,100	0	0

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

Trucks Transporting: Monday Tuesday Wednesday Thursday Friday Issues

Actually Received	4	0	0	0	0	
Requested	4	0	0	0	0	



Looking south at Phases 14 and 15 at a bulldozer spreading CA-6 as the final lift.



PSC air knife/ vacuum truck crew setting up on site to soft dig inside Ameren's substation for new fence posts and to uncover grounding grid.





Mini excavator removing material over and around the north side of the force main (in Phases 14 and 15).



D.J. Sickely disassembling the temporary wall of the QLF building.





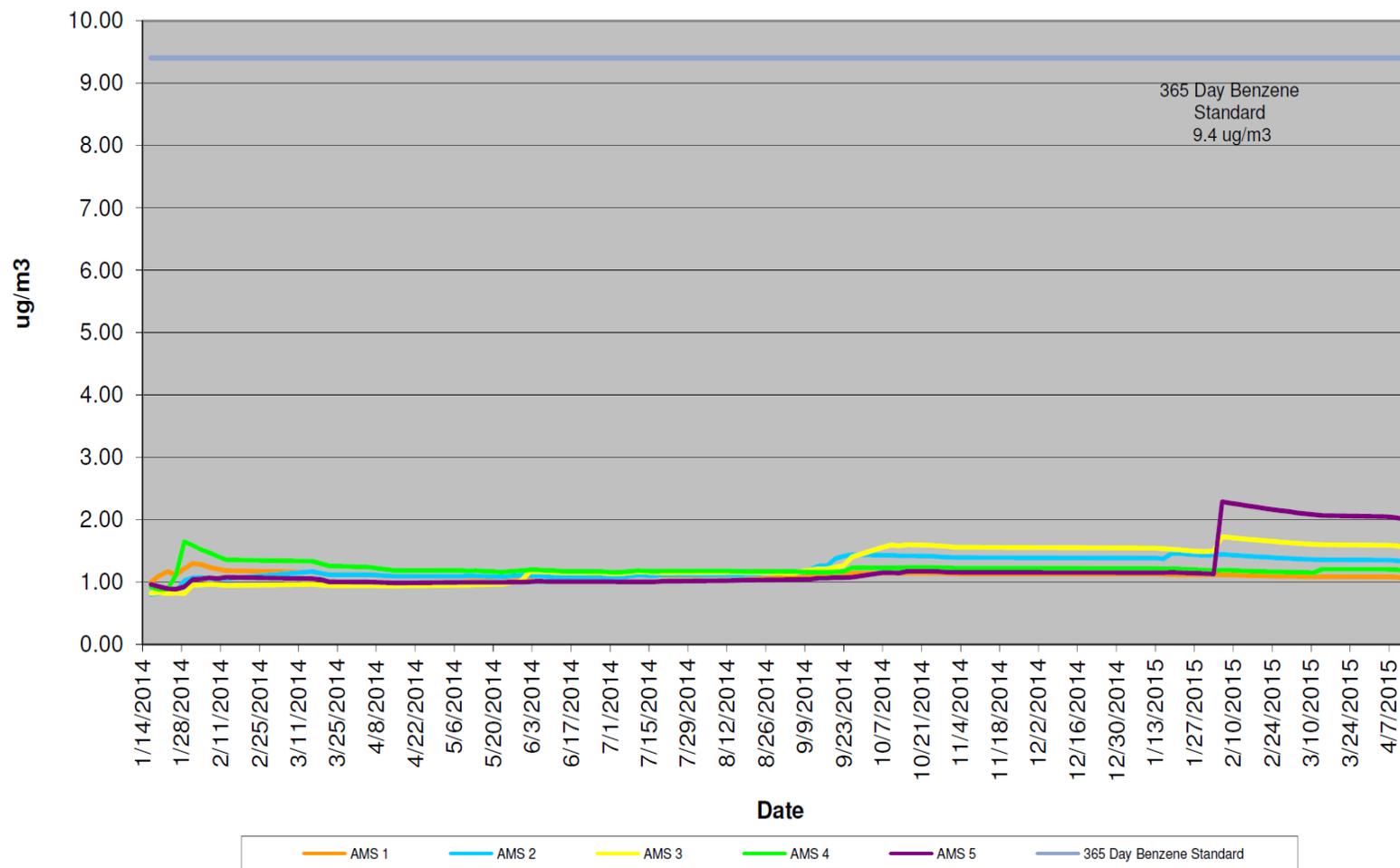
Looking south at the force main excavation in Phases 14 and 15.



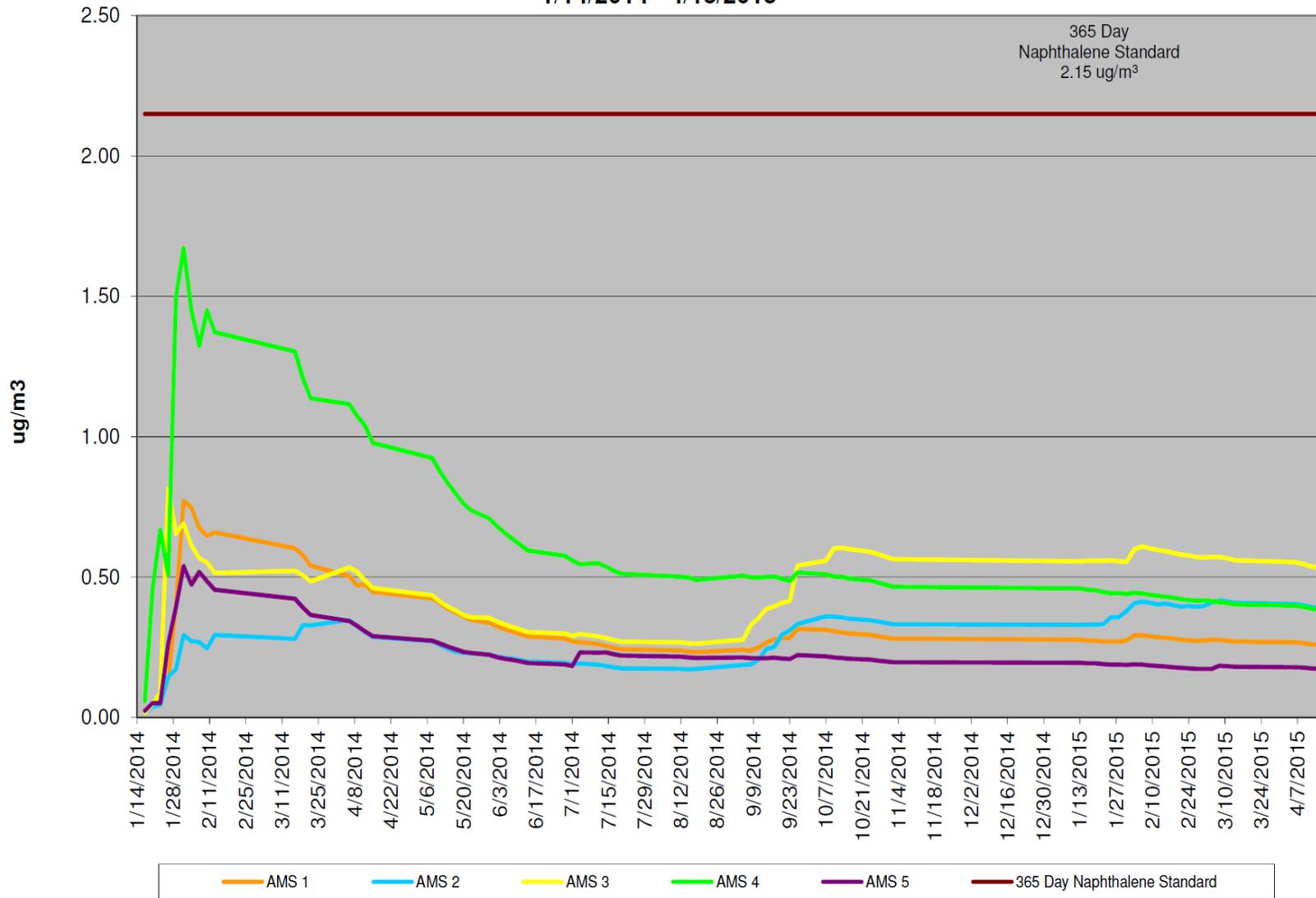
Looking south from the north side of the substation at the air knife trenches for the grounding grid.



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

