



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

Period: July 13 through July 19, 2015 (Week 96)  
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

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**General Remediation Activities Completed:**

*Excavation and backfilling activities were resumed this week. The Phase 14/15 excavation east of the force main was completed on Thursday and was partially backfilled. A total of 16,662.50 tons of Construction Debris (0 tons this week) and 61,367.34 tons of Non-Source Material (1,624.31 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 89,075.83 tons of rock (lime screenings, one-inch minus, two- to three-inch clean rock, and CA6) (1,154.45 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 (37.48 tons this week). Approximately 3,000 gallons of water removed from the excavation are currently containerized, while approximately 1,786,100 gallons (20,000 this week) have been hauled offsite for disposal.*

**Monday - July 13:**

Canal water rose 1.28 feet over the weekend (at 24.58'). Water in the storm water basin dropped some since Friday. Union crew was back on site. The crew heard two loud explosions around 7:15 and saw a power arc where one of the guide wires to the power pole on the Canal berm broke. The site was shut down until Ameren crews were able to reinstall the guide around 8:30. The crew installed a new sump and hydraulic pump on site and repaired a sinking area on the west side of the site near the QLF building. The air monitoring stations were moved back to their original positions in preparation for excavation and load out on Tuesday. QLF did not aerate the basin over the weekend, but began aerating before 7am.

**Tuesday - July 14:**

PSC began loading three Kirschhoffer trucks with MGP-impacted material from Phases 14/15 in the former police shooting range area. Trucks were delayed waiting for Republic's Waste Profile Recertification. The crew pumped water from the excavation into the frac tanks and moved equipment and supplies to the lower work area. QLF did not operate the aerators overnight, but started them up during the day until the compressor ran out of gas around 2:30pm.

**Wednesday - July 15:**

PSC continued to load four Kirschhoffer trucks with MGP-impacted material from Phases 14/15 in the former police shooting range area. Bodine was also on site to haul MGP-impacted water to PDC in Clinton, Illinois. PSC collected four confirmation samples - two floor samples and two wall samples. The excavation east of the force main was approximately four feet deep. JF Electric was on site to evaluate their scope of work moving some temporary lines in preparation for the excavation in the substation. The excavator was working in the area where a flagstone lined well was uncovered previously; further excavation found another small block vault (4'x5'x4') on the east side of the former police shooting range. Visual observations did not note any MGP-related impact beyond the depth of the planned excavation under the structure. QLF did not run their aerators overnight. The aerators were started up in the morning, but stopped running again by 3:00pm.

**Thursday - July 16:**

PSC continued to load four Kirschhoffer trucks with MGP-impacted material from Phases 14/15 in the former police shooting range area. Excavation was completed mid-day. Three Pohar trucks delivered 1" x 3" rock to bridge the soft areas in the excavation and CA-6 for backfill. Bodine was on site to haul MGP-impacted water to PDC in Clinton, IL. PSC collected one confirmation sample from the floor in the southwest corner of the excavation. The crew continued to pump water into the frac tanks. JF Electric was on site to repair the west security camera and take down the heaters in the tent. QLF did not run the aerators overnight, but did start them up around 7:00am. QLF also sampled the storm water basin.

**Friday - July 17:**

PSC continued to backfill with lime screenings and CA-6 hauled by three Pohar trucks. SK Fence personnel were on site to lay out fence post locations along the east end of the substation for clearance with the air knife next week. JF Electric was on site to continue removing conduit runs along the substation fence. PSC tested the backfill compaction with the EDG and had lower results than expected (90-92%). Since the excavation was shallow and rain Thursday night softened the material, crews continued to place and compact material. Midwest was scheduled to determine if EDG is still properly calibrated on Monday. QLF did not aerate the storm water basin.

**Saturday - July 18:**

No work performed today.

**Health & Safety Activities:**

Weather Conditions: This week had a mix of clouds and sunshine, with showers and storms off and on throughout the week. Highs ranged from 77 - 88 degrees F, while lows ranged from 58 - 75 degrees F.

H&S Issues/ Other: Safety topics for the week included "General Safety," "Warning: Extreme Heat is Coming!," "Emergency! Where's the Fire Extinguisher?," "Hazard Awareness," and "The Basics of Safety."

**Out of Scope Items:**

None.



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

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TITLE: EXCAVATION PROGRESS MAP

OWN: MST	DES:	PROJECT NO: 624-1201-0012
CHKD:	APPR:	LaSalle MGP
DATE: 07/17/15	REV:	



**Air Monitoring Activity Summary Report  
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**LaSalle MGP Air Monitoring Progress Report  
Week Ending July 18, 2015**

**Developments During Reporting Period**

*Activities Performed*

- Time-integrated sampling resumed the week of July 18<sup>th</sup>. Time-integrated samples were collected from July 14<sup>th</sup> to July 17<sup>th</sup> and July 17<sup>th</sup> to July 20<sup>th</sup>. Samples collected on July 17<sup>th</sup> were picked up by STAT on July 17<sup>th</sup>. Samples collected on July 20<sup>th</sup> were expected to be picked up on July 20<sup>th</sup>.
- 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 (PM<sub>10</sub>) 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 15<sup>th</sup> were reported via email on May 1<sup>st</sup>. Analytical results to date for benzene, PM<sub>10</sub> 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**

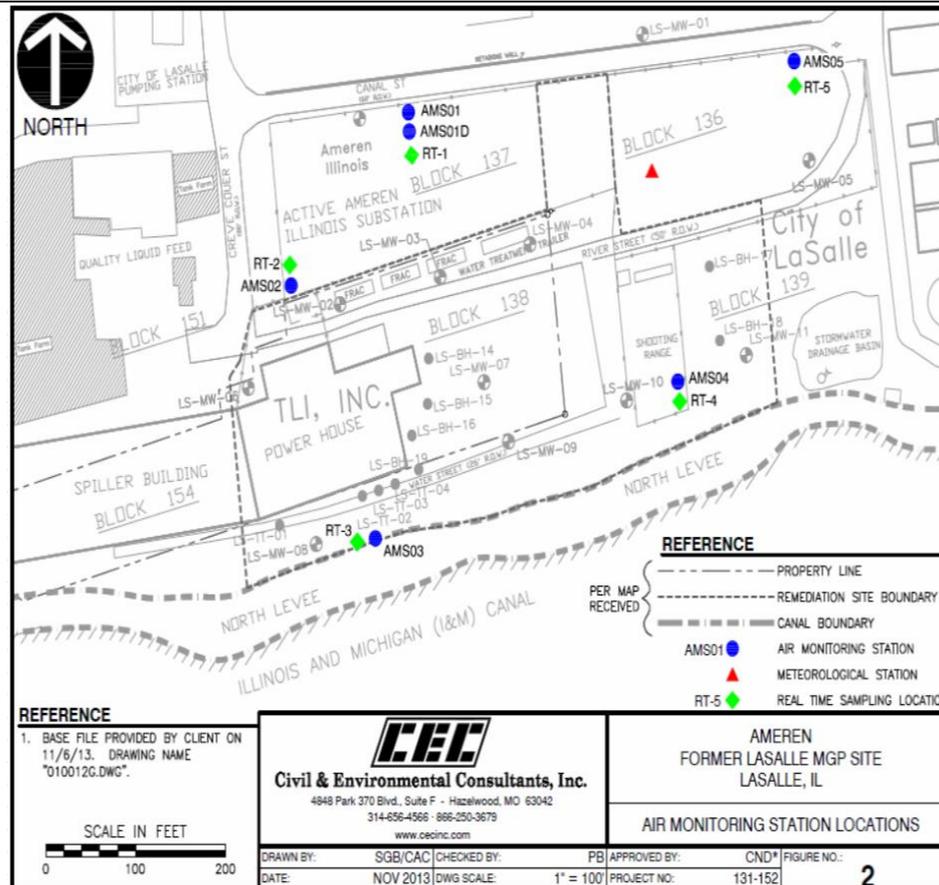
*Activities to be Performed*

- Time-integrated air monitoring at the five air monitoring stations resumed on July 17<sup>th</sup>.
- 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  
Ameren LaSalle Former MGP - Soil Removal Action**

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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)	22.73	0.65	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)	59,743.03	1,624.31	61,367.34	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
<b>TOTAL</b>	<b>76,405.53</b>	<b>1,624.31</b>	<b>78,029.84</b>	<b>0</b>	<b>0</b>

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)	64,094.01	796.21	64,890.22	0	0
CS-02, 2- to 3-Inch Clean Stone (tons)	7,408.12	153.13	7,561.25	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)	1,786.32	205.11	1,991.43	0	0
<i>Stone Backfill Subtotal</i>	<i>87,921.38</i>	<i>1,154.45</i>	<i>89,075.83</i>	<i>0</i>	<i>0</i>
CA-7, 1-Inch Clean Stone (tons)	1,274.97	37.48	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
<b>TOTAL</b>	<b>95,401.60</b>	<b>1,191.93</b>	<b>96,593.53</b>	<b>0</b>	<b>0</b>

Treated Wastewater:

Accumulated in onsite storage (gallons)	1,768,100	21,000	1,789,100	0	0
Discharged to PDC (gallons)	1,766,100	20,000	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	0	3	4	7*	3	One truck was delayed on Tuesday and was not on site until 10:30
Requested	0	3	4	7*	3	* Includes 4 Kirschhoffer trucks and 3 Pohar trucks



Ameren crews on site to repair the guide wire.



Looking southwest at Phases 14/15, first excavator removing material from under power lines and casting it back to the second excavator to load trucks.





Looking northwest at the sump and excavation area in Phase 14.



Looking south at excavation and backfill operation in Phases 14/15 (the former police shooting range).





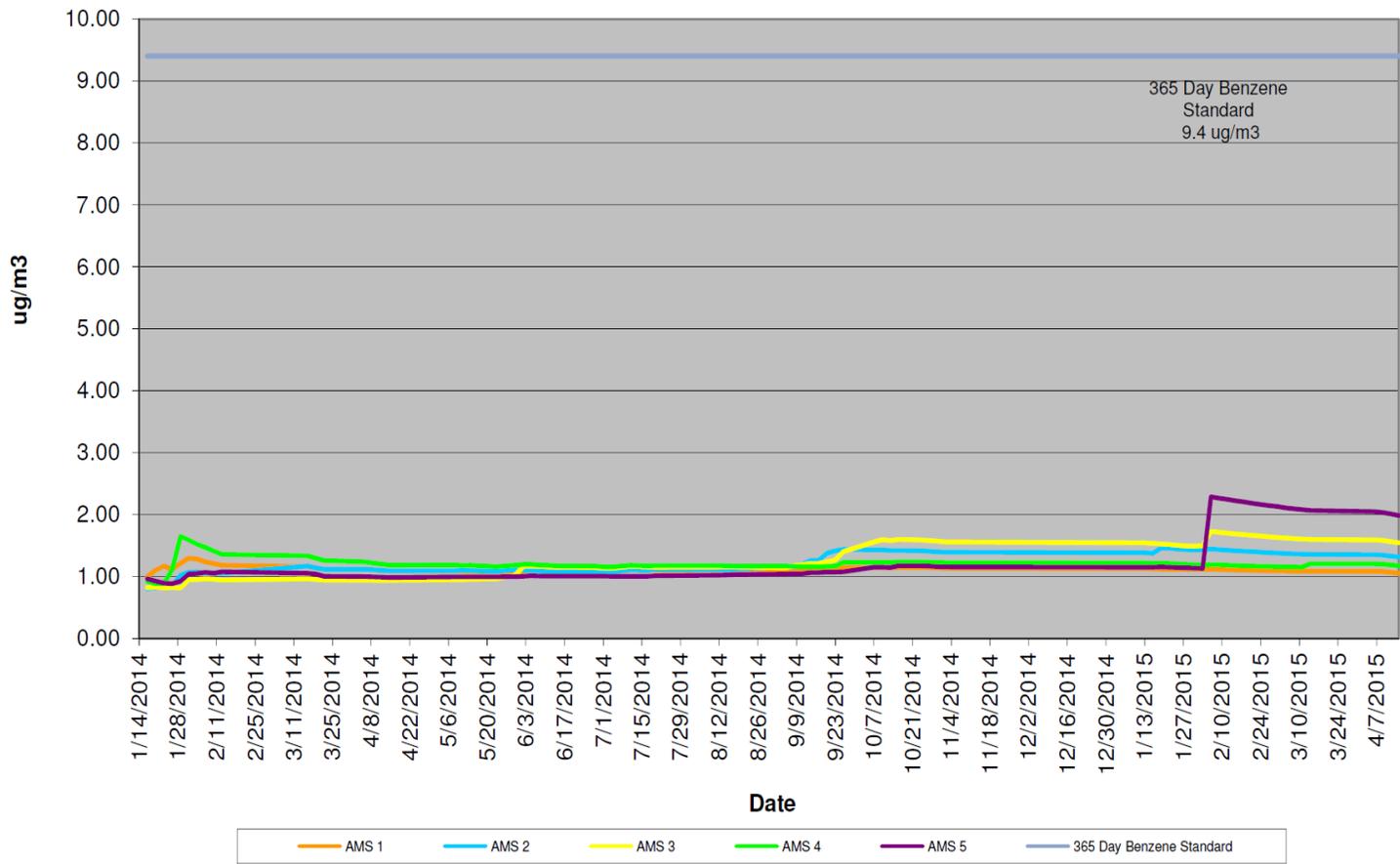
Looking south at the compactor rolling the second lift in Phases 14/15.



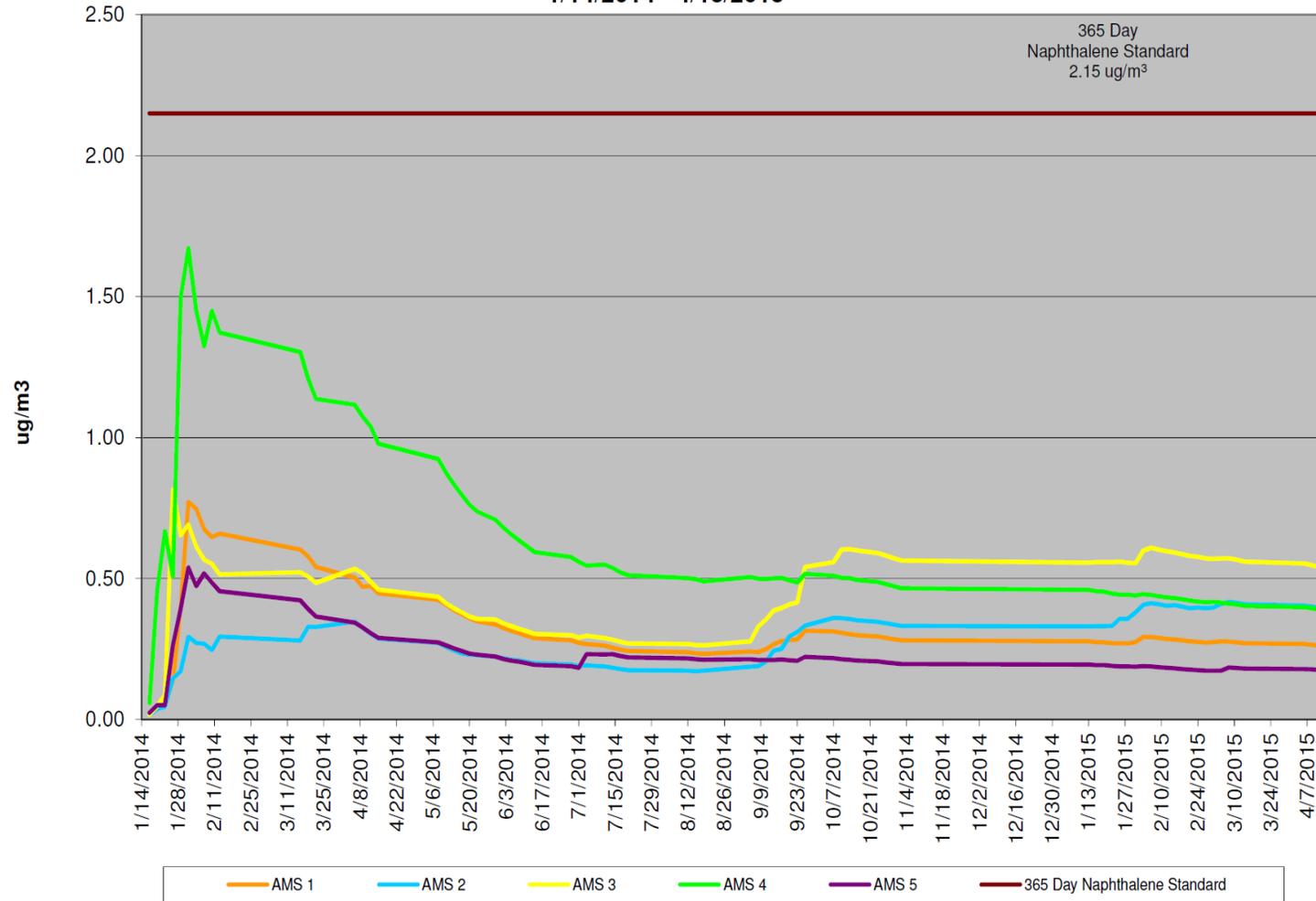
Looking south from the canal berm at the river level, which is at 25.5' and dropping.



### 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 PM<sub>10</sub> Running Averages LaSalle MGP Site 1/14/2014 to 4/15/2015

