



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

Period: May 18 through 24, 2015 (Week 88)  
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

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**General Remediation Activities Completed:**

*PSC continued backfilling this week. The figure on Page 2 shows the extent of the excavation and completed backfilling areas. A total of 16,460.93 tons of Construction Debris (0 tons this week) and 57,716.51 tons of Non-Source Material (0 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 83,179.66 tons of rock (lime screenings, one-inch minus, and two- to three-inch clean rock) (5,298.12 tons this week) have been brought in for backfill. To address the haul roads and parking areas, a total of 1,189.61 tons of one-inch clean rock has been brought in (0 tons this week). Approximately 15,000 gallons of water removed from the excavation are currently containerized, while approximately 1,685,100 gallons (50,000 this week) have been hauled offsite for disposal.*

**Monday - May 18:**

Continued to backfill on the south side of Lift #17 (Phases 8 and 9) at 5 feet bgs. Five Pohar trucks hauled in limestone screenings from Utica Quarry as backfill. Site was wet from weekend rain and the crew pumped water into Frac Tank 1 and 2. The crew also spread stone on access road to reduce dust or mud tracked onto the street. QLF pumped water into the wastewater treatment plant (WWTP).

**Tuesday - May 19:**

PSC continued backfilling on the middle of Lift #17 at 5 feet bgs (Phase 7). Five Pohar trucks hauled limestone screenings to be used as backfill. Crew swept First Street to remove dust tracked off-site. Bodine hauled impacted water to PDC in Clinton, Illinois, for proper disposal. PSC completed eight compaction tests on the southwest side of Lift #17 at 5 feet bgs. All eight tests passed 95% standard proctor. QLF pumped water into the WWTP.

**Wednesday - May 20:**

Backfilling operations continued on the north side Lift #17 at 5 feet bgs (Phases 5 and 6). Five Pohar trucks hauled in the limestone screenings as backfill. Bodine hauled impacted water to PDC in Clinton, Illinois for proper disposal. The crew pumped water into Frac Tank 1 and 2. A partial lift for Lift #18 at 4 feet bgs was placed in the middle of the backfill area (Phase 7). PSC completed compaction tests with the EDG on the southern portion of Lift #18 at 4 feet bgs. All tests passed compaction. QLF pumped water into the WWTP.

**Thursday - May 21:**

Continued backfilling the north side of Lift #17 at 5 feet bgs. Limestone screenings were hauled in as backfill by five Pohar trucks. Bodine hauled impacted water to PDC in Clinton, Illinois. PSC performed compaction tests on the north side of Lift #17. The partial lift for Lift #18 was completed in Phase 8 (the northwest corner of the backfill area). Began Lift #19 at 3 feet bgs along the south side of the site. The crew pumped water into Frac Tank 1 and 2. QLF pumped water into the WWTP.

**Friday - May 22:**

Backfill continued with five Pohar trucks hauling limestone screenings. Continued to come to grade on the south side of the excavation with Lift #19. Excavation lifts will be feathered south to north to get the north side of the excavation to grade. Bodine was on site to haul impacted water to PDC in Clinton, Illinois. The crew pumped water into the frac tanks. QLF pumped water into the WWTP.

**Saturday - May 23:**

No work performed today.

**Health & Safety Activities:**

Weather Conditions: This week was mostly cloudy and cool. Temperatures peaked on Monday and dropped until Wednesday, warming slightly on Thursday and Friday. Highs ranged from 51 to 74 degrees F and lows ranged from 40 to 68 degrees F.

H&S Issues/ Other: Safety topics for the week included "Watch Your Step! Don't Slip and Fall," "Ten Commandments of Good Safety Habits," "Common Sense and Accident Prevention," "Take Two," and "Line of Fire."

**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 May 23, 2015**

**Developments During Reporting Period**

*Activities Performed*

- Time-integrated sampling has been discontinued during backfilling operations. Time-integrated sampling will resume once intrusive activities resume.
- 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*

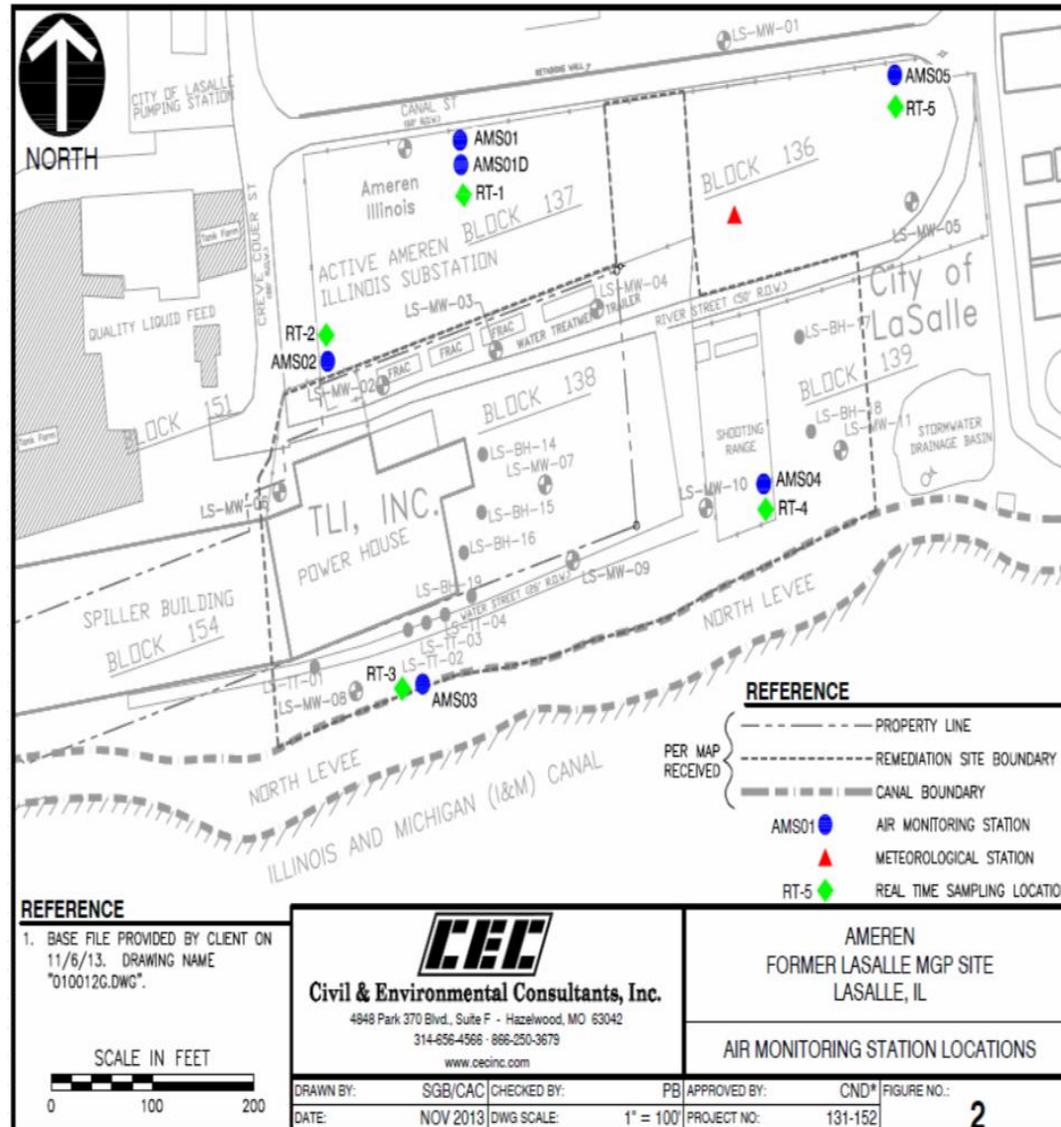
- Real-time monitoring continuing during backfill activities.
- Continue monitoring and reporting of real-time air monitoring results during the project.
- Review time-integrated analytical data and prepare preliminary air monitoring results as they become available.
- Perform data validation activities 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:

Prior Total: This Period: Total To Date:

Rainfall (inches)	9.43	1.10	10.53	2014 total 41.82" rain snowfall for winter 2013-2014 was 60.15"
Snowfall (inches) winter 2014-2015	36.27	0.00	36.27	

**Material Type:**

Project Estimates

Original: Revised:

Solid Waste Material:

Construction & Demolition Debris- Republic (tons)	16,460.93	0.00	16,460.93	0	0
MGP Impacted Soil (Non-Source)- Republic (tons)	57,716.51	0.00	57,716.51	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
<b>TOTAL</b>	<b>74,177.44</b>	<b>0.00</b>	<b>74,177.44</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)	15,233.60	0.00	15,233.60	0	0
Lime Screenings (tons)	56,016.76	5,298.12	61,314.88	0	0
CS-02, 2- to 3-Inch Clean Stone (tons)	6,631.18	0.00	6,631.18	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
<i>Stone Backfill Subtotal</i>	77,881.54	5,298.12	83,179.66	0	0
CA-7, 1-Inch Clean Stone (tons)	1,189.61	0.00	1,189.61	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>85,253.12</b>	<b>5,298.12</b>	<b>90,551.24</b>	<b>0</b>	<b>0</b>

Treated Wastewater:

Accumulated in onsite storage (gallons)	1,645,100	55,000	1,700,100	0	0
Discharged to PDC (gallons)	1,635,100	50,000	1,685,100	0	0

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

Trucks Transporting:

Monday      Tuesday      Wednesday      Thursday      Friday      Issues

Actually Received	5	5	5	5	5	
Requested	5	5	5	5	5	



Pohar dumping lime screenings for Lift #17 in the southwest corner of the backfill area (Phase 9). Lift #17 will be at grade along the south side.



PSC completing compaction tests with the EDG on Lift #17 at 5 feet bgs. All tests passed.





Looking west, compacting the partial Lift #18 at the west end in Phase 8.



Checking the water level and conditions in the sump area in Phase 8 while pumping water.





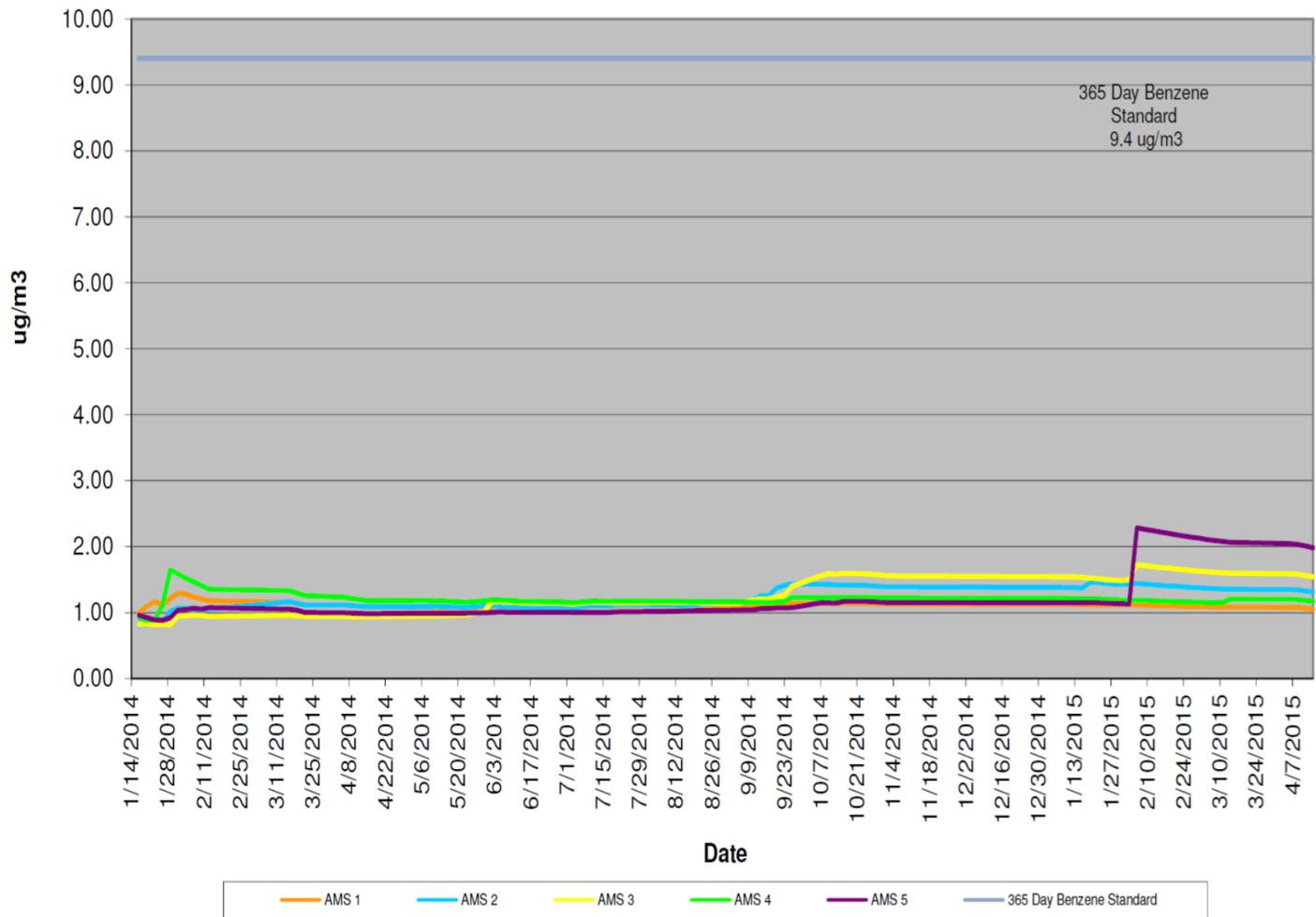
View of the south end of Lift #19 in Phase 8, looking north.



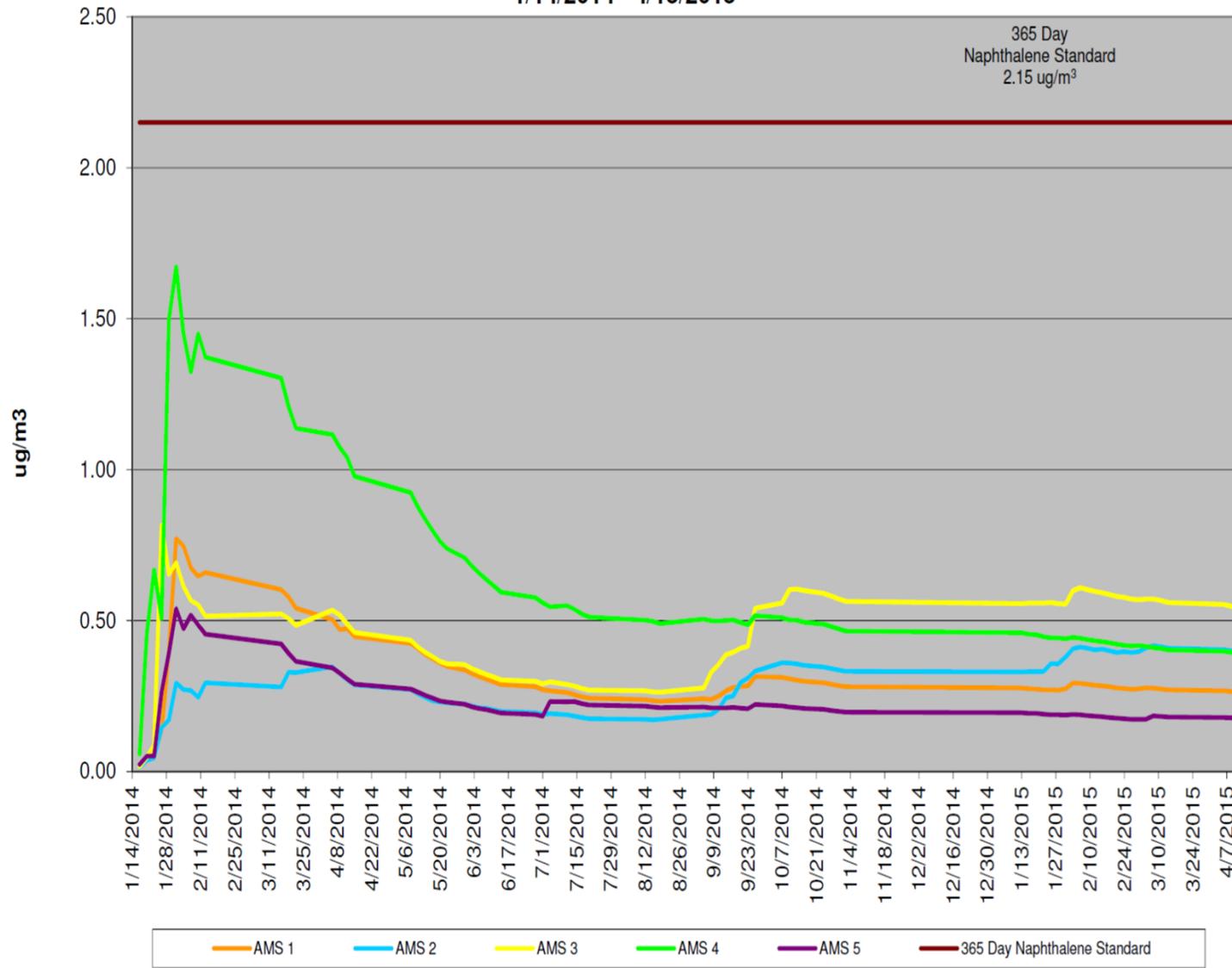
Looking west at the canal water level, which is dropping.



### 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

