



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

Period: August 3 through 9, 2015 (Week 99)
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

General Remediation Activities Completed:

The storm sewer along former River Street (Phases 12/13) was by-passed this week with temporary piping. The crew excavated clean material, stockpiled it, installed the temporary piping, and backfilled the trench with the clean excavated material. JF Electric was back on site to work on conduit and wiring, and Sickley continued to work on the end wall construction. A total of 16,662.50 tons of Construction Debris (0 tons this week) and 62,188.28 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 90,565.75 tons of rock (lime screenings, one-inch minus, two- to three-inch clean rock, and CA6; 0 tons this week) has been brought in for backfill. To address the haul roads and parking areas, a total of 1,357.81 tons of one-inch clean rock has been brought in (0 tons this week). Approximately 3,000 gallons of water removed from the excavation are currently containerized, while approximately 1,821,100 gallons (35,000 gallons this week) have been hauled offsite for disposal.

Monday - August 3:

PSC finished grading in the south east corner of the former police shooting range and began preparing for the storm sewer by-pass excavation in Phases 8, 5, 2, 3, and 4. The by-pass pipe was laid out and materials were moved to make room for the excavation. The union crew began excavating the east tie-in point for the storm sewer by-pass in Phase 4, which was previously excavated and backfilled. The Sickley crew was on site to continue work on the end wall of the QLF building. Sickley discovered another concrete floor below the existing slab; Ameren was notified via email. JF Electric was on site to continue to install conduit runs and reroute wires for the west gate security cameras. QLF pumped water into the wastewater treatment plant (WWTP) beginning at 7:00am.

Tuesday - August 4:

PSC continued work with the storm sewer by-pass, beginning excavation to locate the west tie-in point in Phase 12. The west tie-in point was deeper than anticipated, and several pipes and/or concrete slabs were encountered. The impacted material excavated from this area was stockpiled on site for future disposal. The crew continued excavating the by-pass trench within clean backfill material. There was a lot of water encountered during the excavation. Sickley finished the excavation for the footer of the end wall and began pouring concrete. JF Electric was on site to finish the rewiring for the security cameras and finish the grounding grid. QLF continued to pump water into the WWTP.

Wednesday - August 5:

PSC completed the by-pass trench excavation and began laying pipe. The excavation was flooded with water, which was pumped to both frac tanks. The water from within the storm sewer was also pumped into the frac tanks. PSC collected 4 confirmation samples in the west by-pass tie-in excavation. The crew installed the by-pass pipe and covered it with clean excavated material. The Sickley crew continued to work on the end wall construction. QLF pumped water into the WWTP.

Thursday - August 6:

PSC continued to pump water from in the excavation area and from the existing stormwater pipe and excavated on the east end of the existing concrete pipe in order to air gap and blank the sewer line to prepare it for excavation. The existing concrete pipe was cut and the gap was covered with a steel plate. PSC pumped water to the frac tanks. The by-pass trench was backfilled with clean excavated material. Bodine was on site to load out impacted water to PDC in Clinton, IL for proper disposal. Sickley continued concrete work with the end wall construction. QLF pumped water into the WWTP.

Friday - August 7:

PSC continued to backfill and grade the by-pass trench. The union crew removed the fence on the south side of Phase 17 (the substation). Bodine was on site to load out impacted water to PDC in Clinton, IL for proper disposal. Sickley continued to work with the end wall construction, tying the wall into the existing floor with rebar. QLF pumped water into the WWTP.

Saturday - August 8:

No work performed today.

Health & Safety Activities:

Weather Conditions: This week was pleasant and partly sunny. Highs ranged from 80 - 82 degrees F, while lows ranged from 60 - 67 degrees F.

H&S Issues/ Other: Safety topics for the week included "E. Coli: Food Safety Precautions," "Ergonomics," "Cuts and Burns," and "General Safety."

Out of Scope Items:

While excavating the concrete floor to install the new end wall for the QLF building, Sickley uncovered an additional 8" slab and footer beneath the existing concrete floor, which was unknown and not included in the scope of work. Ameren was notified via email on 8/3/2015.



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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Completed By: Mark Kroenig

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**LaSalle MGP Air Monitoring Progress Report
Week Ending August 8, 2015**

Developments During Reporting Period

Activities Performed

- Time-integrated samples were collected from August 1st to August 4th and August 4th to August 8th. Samples collected on August 4th were picked up by STAT on August 4th. Samples collected on August 8th are expected to be picked up on August 10th.
- 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

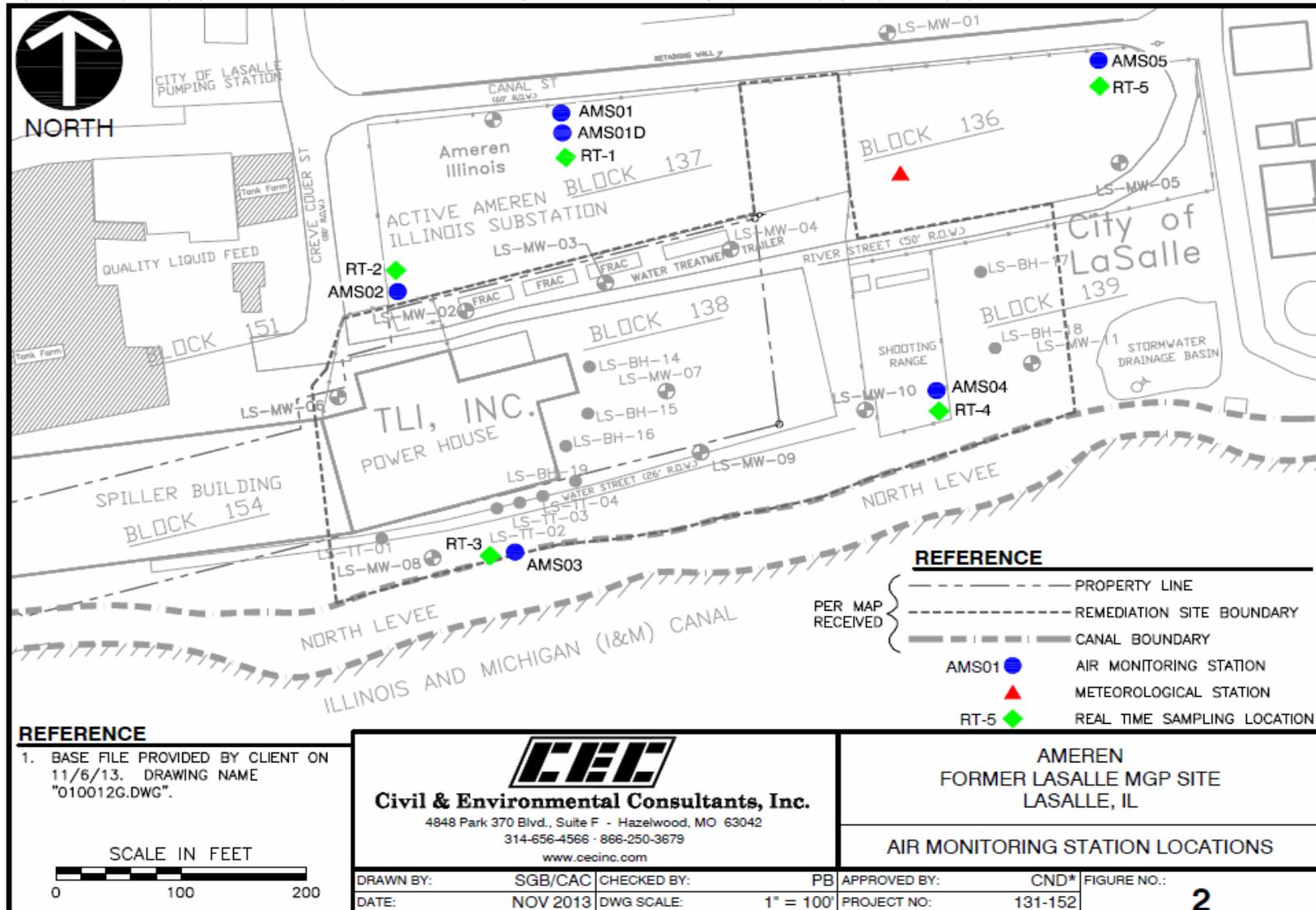
- Time-integrated air monitoring at the five air monitoring stations.
- Real-time monitoring continuing during remedial activities.
- Continue monitoring and reporting of real-time air monitoring results during the project.
- Review time-integrated analytical data and prepare preliminary air monitoring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

Weather:

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

Prior Total: This Period: Total To Date:

Prior Total:	This Period:	Total To Date:
23.78	0.00	23.78
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)	62,188.28	0.00	62,188.28	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	78,850.78	0.00	78,850.78	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)
 Sand from River Stone
 CA6 (Grade 8 rock, tons)
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)
 TOTAL

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
CM-06, 1-inch Minus (tons)	14,632.93	0.00	14,632.93	0	0
Lime Screenings (tons)	65,176.64	0.00	65,176.64	0	0
CS-02, 2- to 3-Inch Clean Stone (tons)	7,780.96	0.00	7,780.96	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
Sand from River Stone	68.52	0.00	68.52	0	0
CA6 (Grade 8 rock, tons)	2,906.70	0.00	2,906.70	0	0
<i>Stone Backfill Subtotal</i>	90,565.75	0.00	90,565.75	0	0
CA-7, 1-Inch Clean Stone (tons)	1,357.81	0.00	1,357.81	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	98,128.81	0.00	98,128.81	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)	1,793,100	31,000	1,824,100	0	0
Discharged to PDC (gallons)	1,786,100	35,000	1,821,100	0	0

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

Trucks Transporting:

Monday Tuesday Wednesday Thursday Friday Issues

Actually Received

Requested

	Monday	Tuesday	Wednesday	Thursday	Friday	Issues
Actually Received	0	0	0	0	0	
Requested	0	0	0	0	0	



End of the subfloor beneath the existing concrete floor; Sickley believes it was a former truck ramp and loading dock.



West storm sewer tie-in point in Phase 12 (standing water on each side)



Looking west at a portion of the storm water by-pass piping being installed.



Looking west, backfilling the by-pass trench with lime screenings.

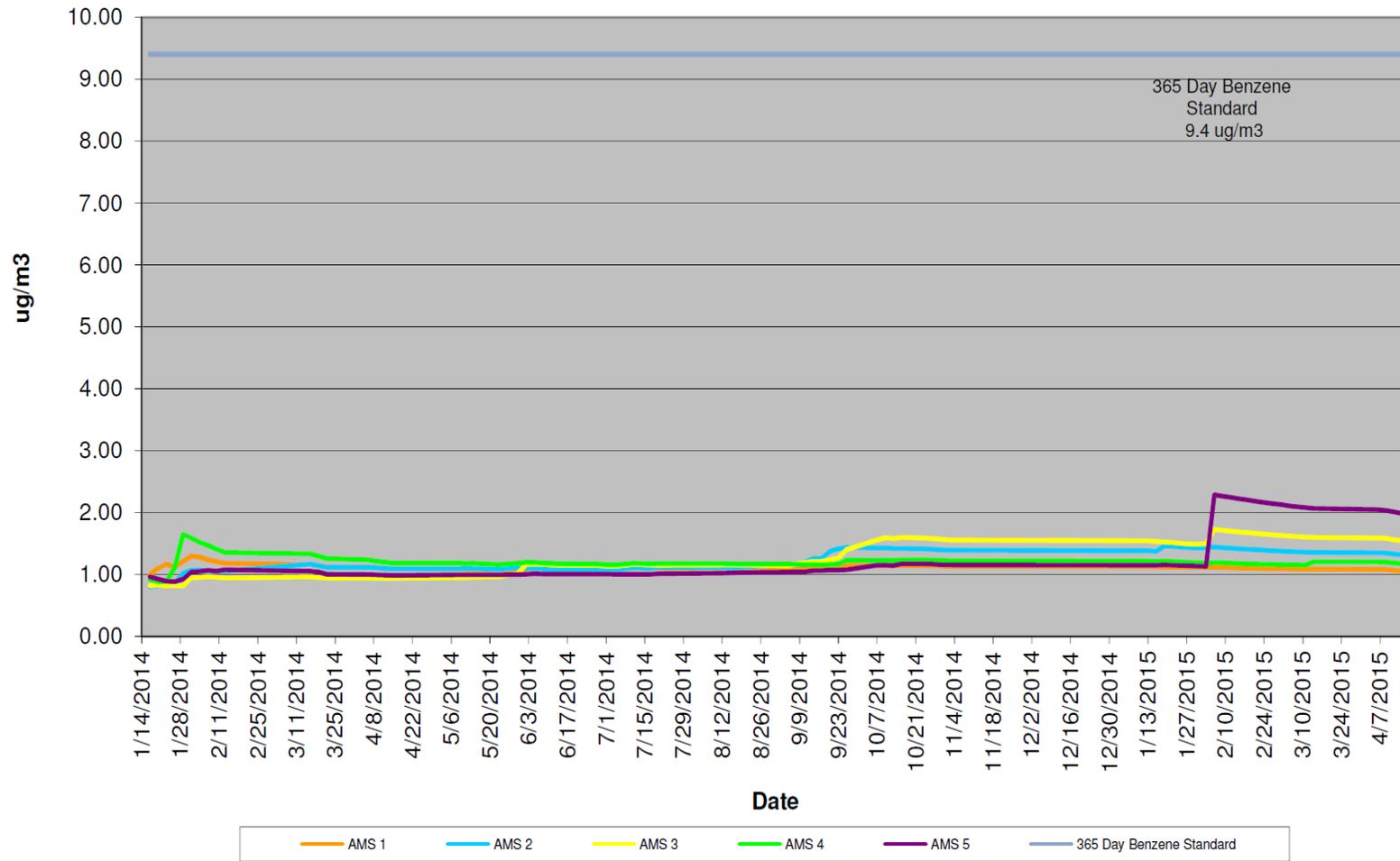


Excavating the existing storm sewer line by the east manhole to isolate and empty pipe.

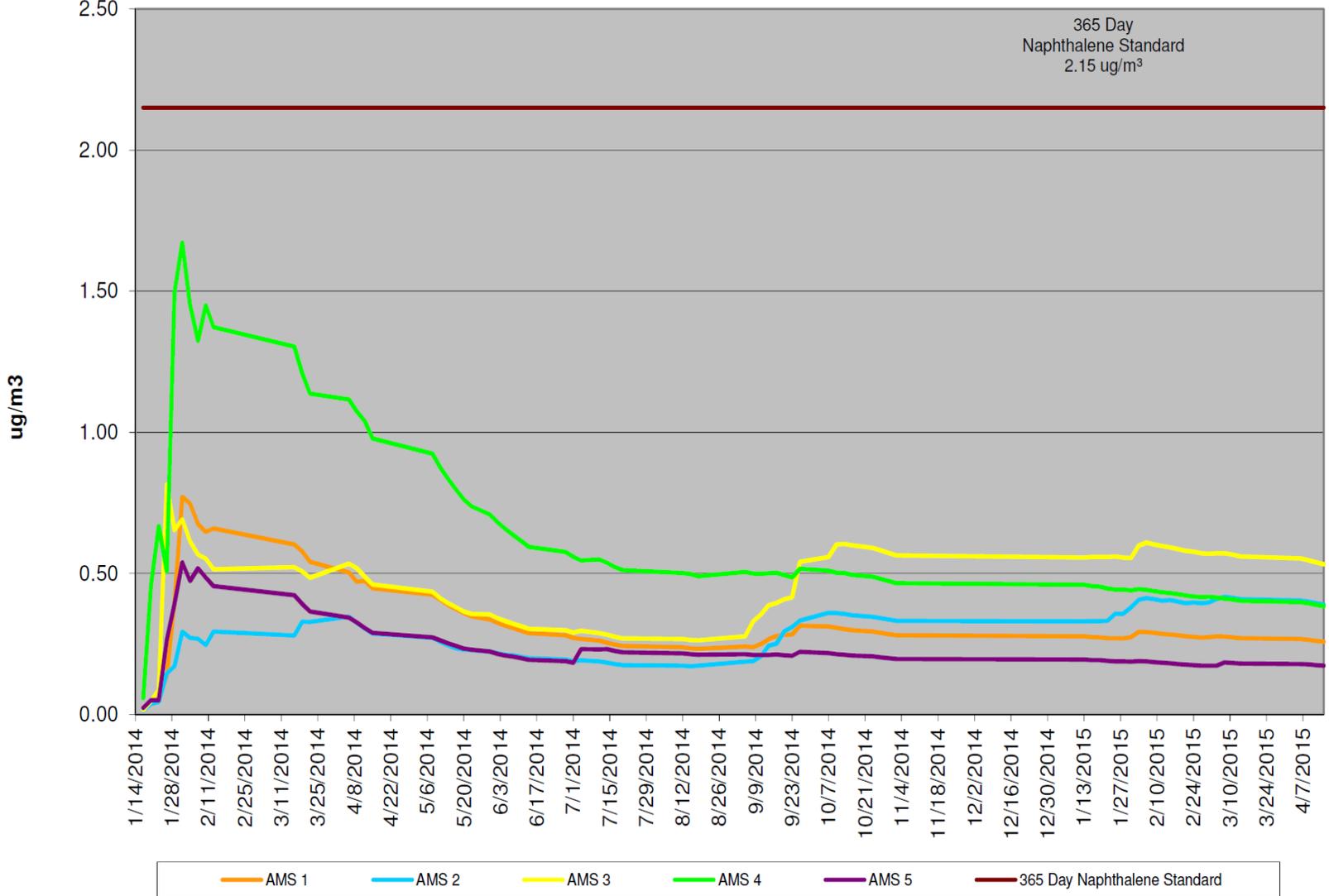


Sickley's concrete contractor tying the wall into the existing floor with rebar and getting ready to pour floor.

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

