



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

Period: July 27 through August 2, 2015 (Week 98)
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

General Remediation Activities Completed:

Backfill was completed over and around the force main in Phases 14 and 15. Stockpiled impacted materials were loaded out Thursday and Friday. Soft-dig activities in the substation were completed on Monday, and finishing work for the substation continued throughout the week. A total of 16,662.50 tons of Construction Debris (0 tons this week) and 62,188.28 tons of Non-Source Material (820.94 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; 714.53 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 (45.36 tons this week). Approximately 7,000 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 27:

PSC continued to excavate over and around the south side of the force main in the former police shooting range area with the mini excavator and skid steer. The excavated material was stockpiled. PSC's air knife crew finished clearing areas inside the substation for new fence post holes, exposing the grounding grid, and the additional trenches for the gate grounding grid and lateral run. JF Electric was on site to inspect the air knife trenches in preparation of installing two-inch conduit with junction boxes in the grounding grid trench. Water level in the Canal dropped 2.1 inches since Friday. QLF reported the ammonia levels below 30 ppm and pumped for one hour before the City shut them down due to elevated ammonia levels.

Tuesday - July 28:

PSC completed the excavation over the force main in the former police shooting range area. Two Pohar trucks hauled in one- to three-inch stone and CA-6 for backfill. One of the Pohar trucks also delivered three loads of sand from river stone at the Vermillion Plant to backfill the grounding grid trenches. JF Electric was on site to install the grounding grid within the substation and extra conduit for the new gate requirements. QLF did not run their aerators or pump water; they reported ammonia levels around 50 ppm.

Wednesday - July 29:

PSC completed backfilling in the area over the force main after two Pohar trucks delivered thirteen loads of CA-6 stone from Utica Quarry. The union crew continued to backfill the grounding grid trenches with the sand stockpiled on site. The stockpiled impacted material from the excavation over the force main was prepared to be loaded out on Thursday. JF Electric was on site to install the conduit runs in the substation for the security camera and card reader on the new gate. QLF began pumping water into the wastewater treatment plant (WWTP) in the afternoon.

Thursday - July 30:

PSC loaded out impacted material from the stockpile into two Kirschhoffers trucks for transportation and disposal to Republic landfill. The union crew backfilled the trench outside the substation fence. JF Electric was on site to continue installing conduit runs in the substation. S&K Fence is on site to install the new fence. The union crew lowered the surface elevation between poles at S&K's request so that the fence fabric could be buried. S&K fence finished the fence work, including stringing fabric, completing the gate work, and stringing barb wire on the south side. QLF pumped water into the WWTP, starting around 7 am.

Friday - July 31:

PSC continued to load out impacted material from the stockpile into two Kirschhoffers trucks for transportation and disposal to Republic landfill. JF Electric was on site to continue installing conduit runs in the substation. Sickely's cement mason was on site to check the endwall project. QLF began pumping water to the WWTP in the morning.

Saturday - August 1:

No work performed today.

Health & Safety Activities:

Weather Conditions: This week was partly sunny, humid, and warm, with showers off and on throughout the beginning of the week. Highs ranged from 84 - 88 degrees F, while lows ranged from 64 - 73 degrees F.

H&S Issues/ Other: Safety topics for the week included "Common Sense and Accident Prevention," "Repeaters," "Heavy Equipment Safety," "Unsafe Acts," and "Why Take a Chance?"

Out of Scope Items:

Out of scope activities from last week continued, including additional air knitting, 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
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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 1, 2015**

Developments During Reporting Period

Activities Performed

- Time-integrated samples were collected from July 26th to July 29th and July 29 to August 1st. Samples collected on July 29th were picked up by STAT on July 29th. Samples collected on August 1st were expected to be picked up on August 3rd.
- 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

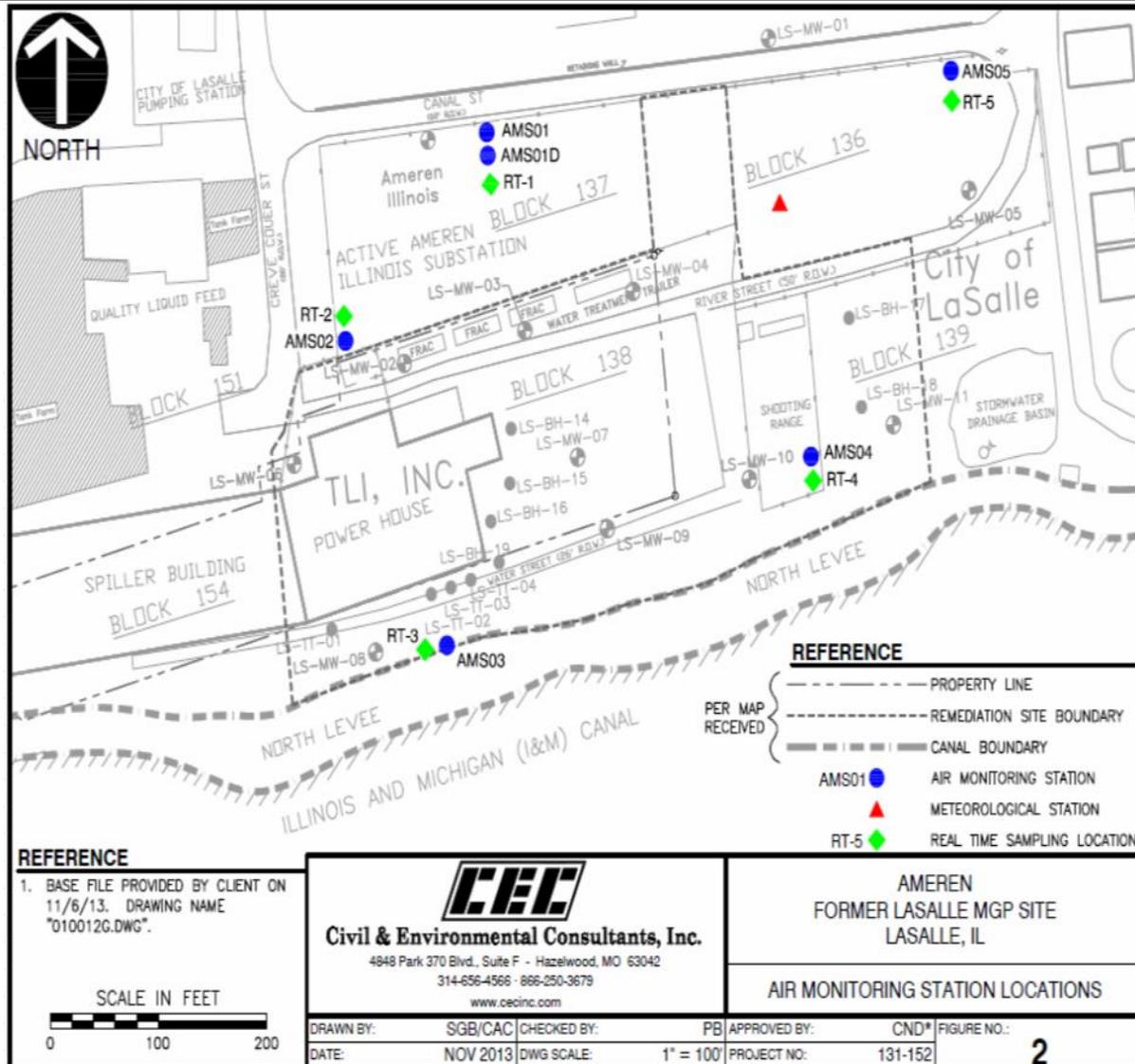
- Time-integrated air monitoring at the five air monitoring stations.
- Real-time monitoring continuing during remedial activities.
- Continue monitoring and reporting of real-time air monitoring results during the project.
- Review time-integrated analytical data and prepare preliminary air monitoring 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:
23.38	0.40	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)	61,367.34	820.94	62,188.28	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	78,029.84	820.94	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)	7,601.97	178.99	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	0.00	68.52	68.52	0	0
CA6 (Grade 8 rock, tons)	2,439.68	467.02	2,906.70	0	0
Stone Backfill Subtotal	89,851.22	714.53	90,565.75	0	0
CA-7, 1-Inch Clean Stone (tons)	1,312.45	45.36	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	97,368.92	759.89	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)	1,790,100	3,000	1,793,100	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

Requested

	Monday	Tuesday	Wednesday	Thursday	Friday	Issues
Actually Received	0	2	2	2	2	
Requested	0	2	2	2	2	



Looking north at the air knifed trenches inside the substation.



Excavation over the force main in Phases 14 and 15 is complete; began backfilling with one- to three-inch rock to bridge the soft bottom.





Backfilling in Phases 14 and 15 with CA-6.



Looking north at conduit laid in trenches for new gate requirements. Trenches were backfilled with sand and CA-7.

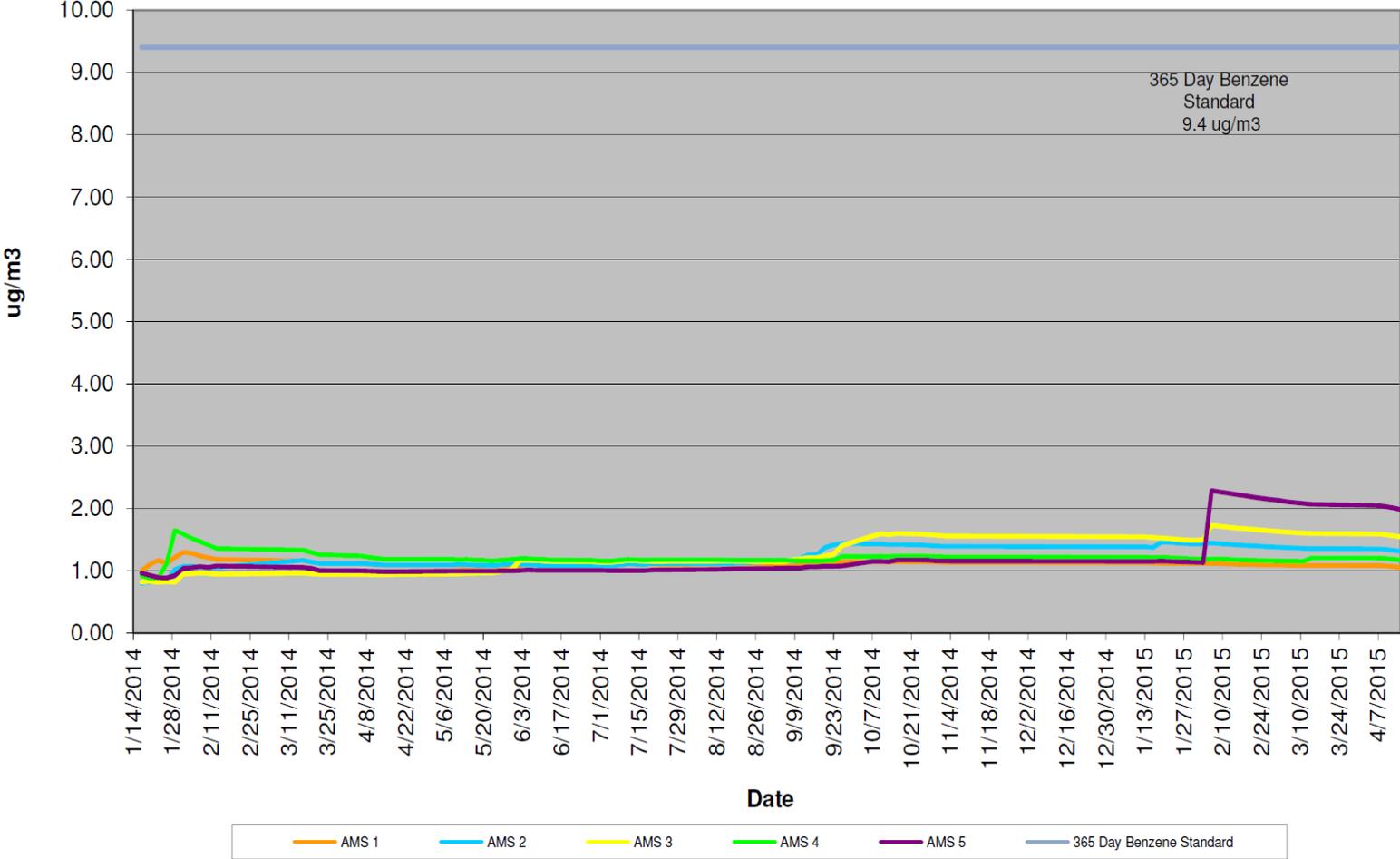


S&K Fence installing fence fabric.

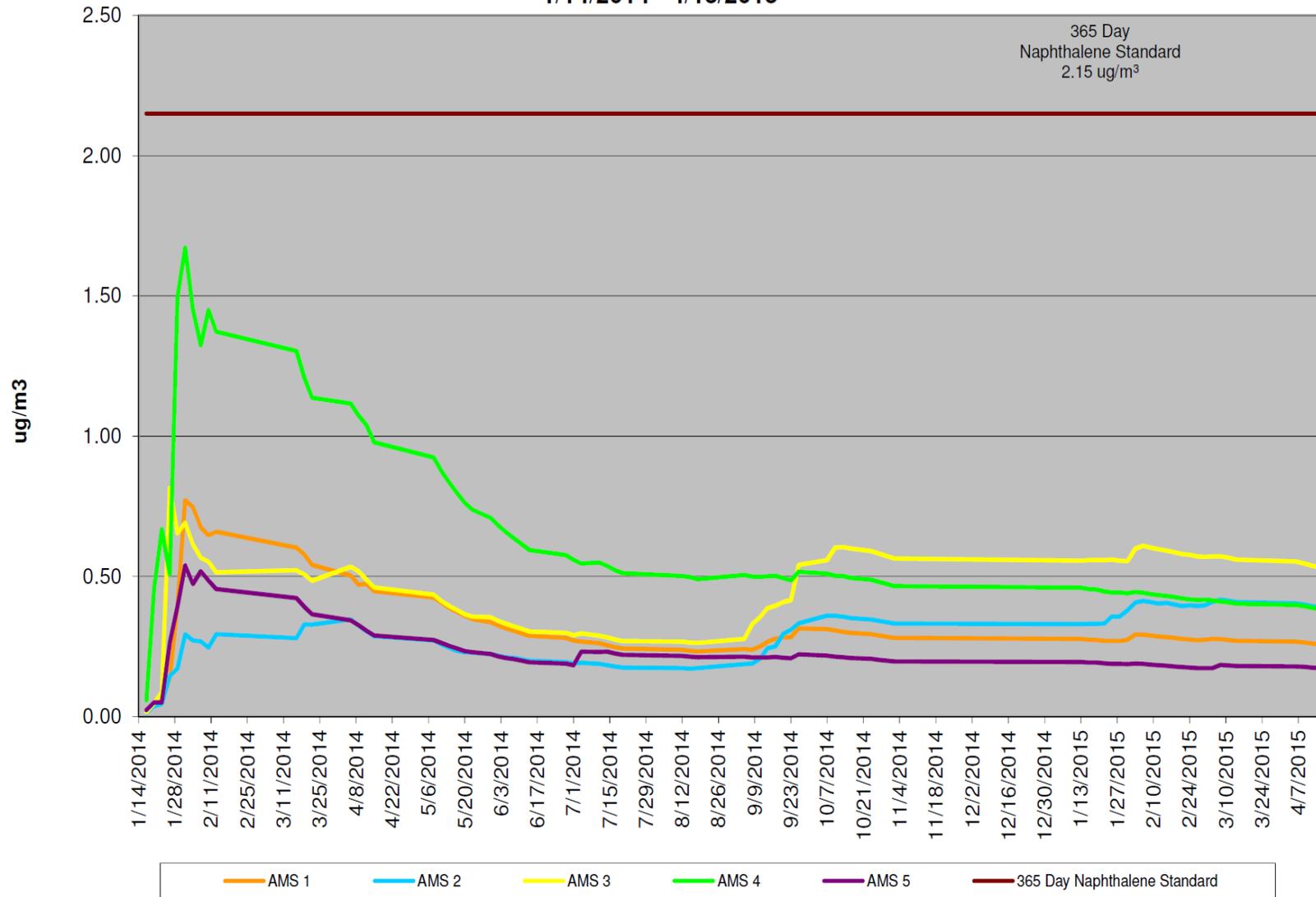


Looking south at the stockpile of impacted material from Phases 14 and 15 to be loaded out for proper disposal.

**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

