



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

Period: February 23 through March 1, 2015 (Week 76)
Completed By: Jeff Adams

PSC Project Number 624-1202-0012

General Remediation Activities Completed:

PSC continued active onsite remediation activities; continued demolition in the basement and excavation below the concrete in Phase #7 and Phase #8. The figure on Page 2 shows the extent of the excavation and completed backfilling activities. A total of 14,762.11 tons of Construction Debris (0 tons this week) and 53,255.26 tons of Non-Source Material (1,192.31 tons this week) were removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 6,181.97 tons of clay (0 tons this week) and 43,903.55 tons of rock (lime screenings, one-inch minus, and two to three-inch clean rock; 0 tons this week) have been hauled onsite to use as backfill material. In addition, 888.79 tons of clean one-inch stone (0 tons this week) have been brought in to address the haul roads and parking areas. Approximately 16,000 gallons of water removed from the excavation are currently containerized, while approximately 1,284,600 gallons (75,000 this week) have been hauled offsite for disposal.

Monday - February 23rd:

Continue excavation in Phase #s 7 and 8. Four trucks hauled impacted soil to Republic Landfill for disposal. Bodine hauled 3 loads (15,000 gallons) of water from frac tanks offsite to PDC for disposal. The laborers pumped 15,000 gallons from the sump into onsite frac tanks. The PSC crew will be sampling in the canal this week.

Tuesday - February 24th;

Continue excavation in Phase #s 7 and 8. Visibly impacted soil extended to a depth of approximately 36.5 feet in western Phase 7, south of the smokestack foundation. A zone of sandy and gravelly clay was observed with impact below 35 feet. The impacted zone was less than 12 feet wide, in the east-west direction, but extended north and south. In order to limit water infiltration, the deep area was backfilled with native clay from the floor of Phase 8 excavation, where confirmation samples were already collected. Four trucks hauled impacted soil to Republic Landfill for disposal. Bodine hauled 2 loads (10,000 gallons) of water from frac tanks offsite to PDC for disposal. The PSC crew is sampling in the canal this week.

Wednesday - February 25th:

Both excavators will backfill the deep excavation in phase 7 and then switch to breaking concrete at the deep sump below the building in Phase 7 and the smokestack foundation. No trucks hauling soil or demo debris today. Bodine hauled 4 loads (20,000 gallons) of water from frac tanks offsite to PDC for disposal. The laborers pumped 20,000 gallons from the sump into onsite frac tanks. The PSC crew is sampling in the canal this week.

Thursday - February 26th:

Both excavators will continue breaking concrete at the deep sump below the building in Phase 7 and the smokestack foundation. No trucks hauling soil or demo debris today. Bodine hauled 4 loads (20,000 gallons) of water from frac tanks offsite to PDC for disposal. The laborers pumped 20,000 gallons from the sump into onsite frac tanks. One load of scrap metal was hauled out. The PSC crew is sampling in the canal this week.

Friday - February 27th:

Both excavators will continue breaking concrete at the deep sump below the building in Phase 7 and the smokestack foundation. No trucks hauling soil or demo debris today. Bodine hauled 2 loads (10,000 gallons) of water from frac tanks offsite to PDC for disposal. One load of scrap metal was hauled out. The PSC crew is sampling in the canal this week.

Saturday - February 28th:

No site work performed.

Health & Safety Activities:

Weather Conditions: Clear and cold on Monday, with temperatures below zero up to 12 degrees. Windy and warmer on Tuesday, up to 30 degrees. Wednesday temperatures ranged from 14 to 24 degrees. 4" of new snow Thursday morning with temperatures in the mid-teens Thursday and Friday.

H&S Issues/Other: Discussed the following topics: Site Awareness, Portable Ladders, Power tool safety, Avoid skidding, and Falling Ice from Above. No recordable accidents or incidents occurred.

Out of Scope Items:

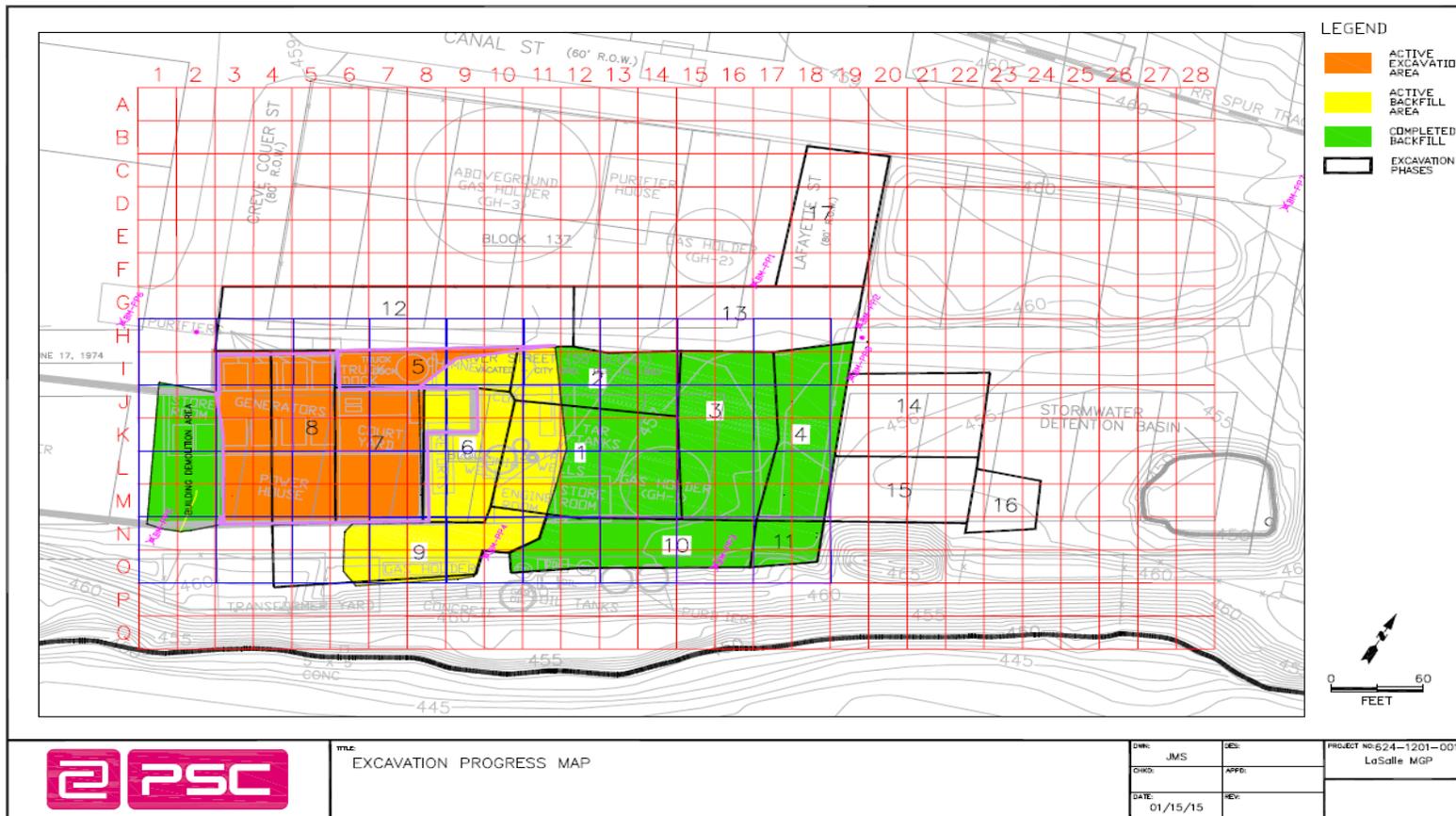
None



Remediation Footprint and Excavation Progress Map
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Period: February 23 through March 1, 2015 (Week 76)
Completed By: Chris Dawdy

PSC Project Number

624-1202-0012

**LaSalle MGP Air Monitoring Progress Report
Week Ending February 28, 2015**

Developments During Reporting Period

Activities Performed

- Time-integrated air samples were collected from February 21st to February 24th, February 24th to February 27th and February 27th to March 2nd. Samples collected on February 24th and February 27th were picked up by STAT on February 24th and February 27th, respectively. Samples collected on March 2nd are expected to be picked up by STAT on March 2nd.
- 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 February 12th were reported via email on February 23rd. 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

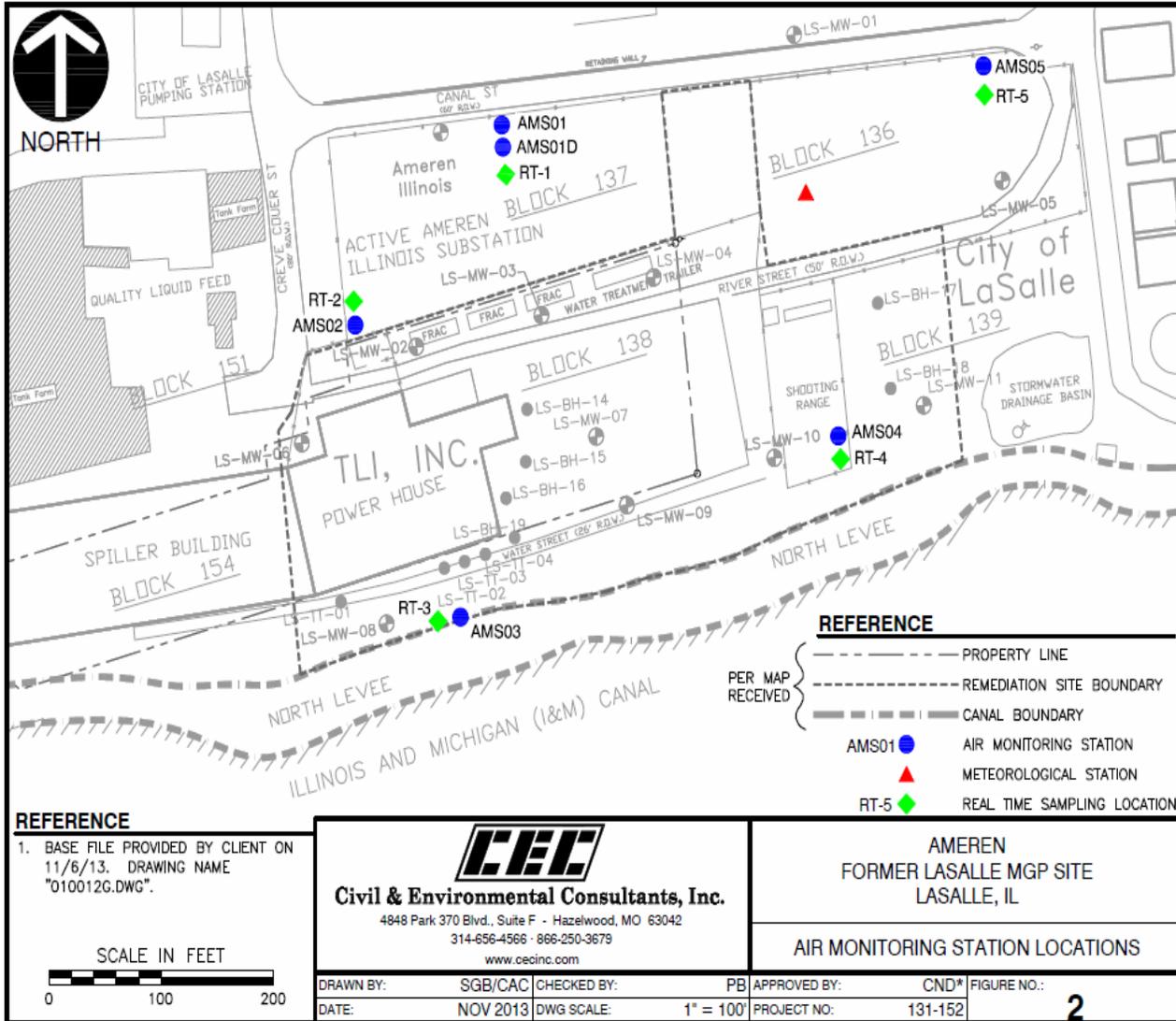
Activities to be Performed

- Real-time monitoring continuing during remedial activities.
- Conduct time-integrated sampling during intrusive 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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PSC Project Number

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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:
1.30	0.00	1.30
29.25	4.00	33.25

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)	14,762.11	0.00	14,762.11	0	0
MGP Impacted Soil (Non Source)-Republic (tons)	52,062.95	1,192.31	53,255.26	120,000*	0
MGP Impacted Soil (Source)-PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	66,825.06	1,192.31	68,017.37	0	0

Add. Solid Waste Material:

Clean Brick-Canon Pit (loads)

Asbestos Containing Material (ACM)-Republic (tons)

Scrap Material (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 Material (loads)	8.00	0.00	8.00	0	0
United Scrap Material (weight)	111.91	31.49	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)

1 1/2-Inch Rock (tons)

4 to 8-Inch Rip Rap (tons)

4-Inch Crushed Concrete (tons)

Stone Backfill Subtotal

CA-7, 1-Inch Clean Stone (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)	15,233.60	0.00	15,233.60	0	0
Lime Screenings (tons)	24,903.54	0.00	24,903.54		
CS-02, 2 to 3-Inch Clean Stone (tons)	3,766.41	0.00	3,766.41	0	0
2-Inch Clean Stone (tons)	0.00	0.00	0.00	0	0
1 1/2-Inch Rock (tons)	0.00	0.00	0.00	0	0
4 to 8-Inch Rip Rap (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>	43,903.55	0.00	43,903.55	0	0
CA-7, 1-Inch Clean Stone (tons)	888.79	0.00	888.79	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	50,974.31	0.00	50,974.31	0	0

Treated Wastewater:

Discharged to PDC (gallons)

	Prior Total:	This Period:	Total To Date:	Original:	Revised:
Discharged to PDC (gallons)	1,209,600	75,000	1,284,600	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	4	4	0	0	0	
Requested	4	4	0	0	0	



Looking west at the excavation wall below the smokestack foundation. Heavy staining is visible under the concrete.



Looking north and down into deep excavation in Phase 7 at visibly impacted sand/gravel lens at 36.5 ft. bgs.



Looking Southwest at crew geo-probing on middle west end of canal.



Looking southeast at excavator hammering smoke stack foundation (5 feet thick).

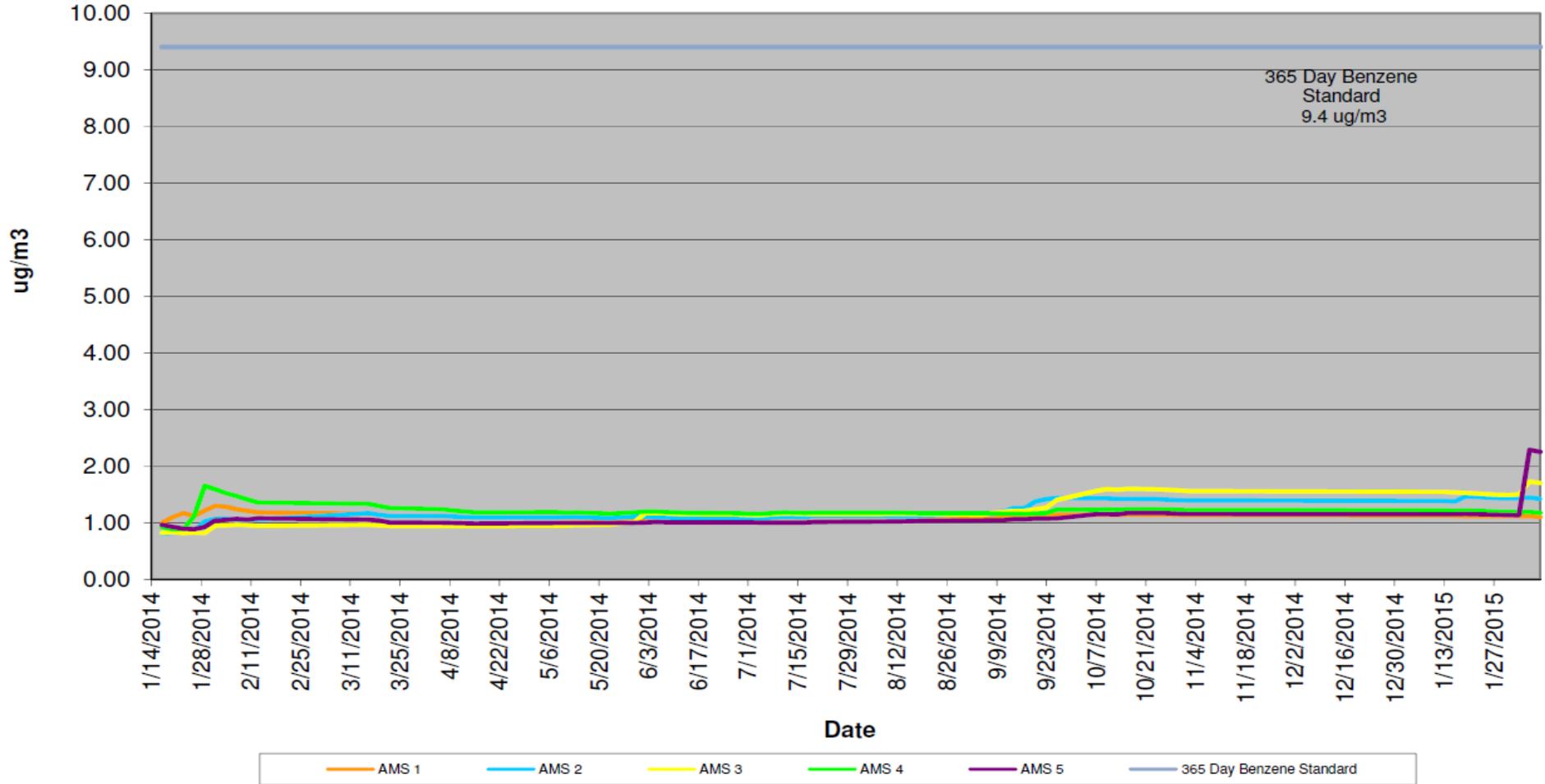


Looking northwest at excavator hammering out sub-basement concrete vault in Phase 7.

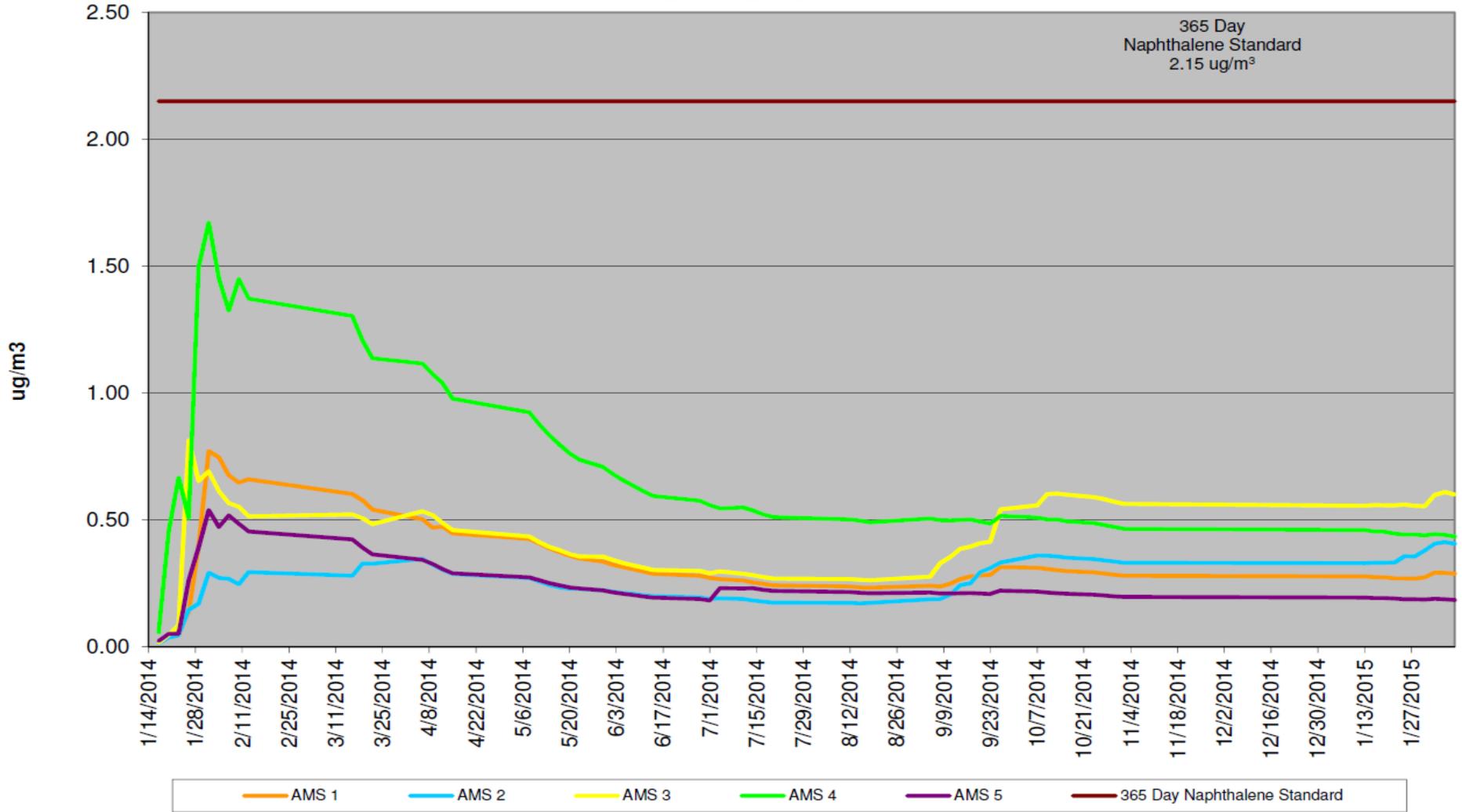


Looking west at excavator building a pad in the sump so he can reach remaining concrete vault on the left with his hammer

Preliminary Benzene Running Averages LaSalle MGP Site 1/14/2014 - 2/9/2015



Preliminary Naphthalene Running Averages LaSalle MGP Site 1/14/2014 - 2/9/2015



Preliminary PM₁₀ Running Averages LaSalle MGP Site 1/14/2014 to 2/9/2015

