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

Period:	October 12 through 18, 2015 (Week 109)	PSC Project Number	624-1202-0012
Completed By:	Mark Kroenig		

General Remediation Activities Completed:

PSC continued the excavation in the third area of the Canal embankment remediation and began backfill on the eastern portion of that area at the end of the week. A total of 16,895.87 tons of Construction Debris (0 tons this week) and 81,477.86 tons of Non-Source Material (2,509.06 tons this week) has been removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 17,556.50 tons of clay (1,496.66 tons this week) and 95,620.89 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, parking areas, and substation area, a total of 1,971.02 tons of one-inch clean rock has been brought in (0 tons this week). Approximately 30,000 gallons of water removed from the excavation are currently containerized, while approximately 1,960,600 gallons (45,000 gallons this week) have been hauled offsite for disposal.

Monday - October 12:

PSC resumed the excavation in the third section of the Canal embankment, continuing deeper and to the west. All four Kirschhoffer trucks hauled the MGP-impacted material to the Republic landfill. Water infiltrated from the clean Phase 10 excavation backfill into the excavation area, and the crew pumped the water to the frac tanks.

Tuesday - October 13:

PSC continued to excavate deeper in the third section of the Canal embankment, with four trucks from Kirschhoffer hauling the MGP-impacted material to the Republic landfill. PSC continued to pump infiltrated water from the clean Phase 10 backfill from the Canal embankment excavation to the frac tanks. The third section of the embankment appeared to be visually clean at approximately 18 feet below ground surface. A contractor for the City of LaSalle installed a sumersible pump inside the manhole by the storm water basin.

Wednesday - October 14:

PSC continued to excavate in the third section of the Canal embankment. Two Kirschhoffer trucks hauled the MGP-impacted material to the Republic landfill, while two other trucks delivered clean clay from the Republic landfill for backfill. The excavation was flooded with overnight infiltration from the clean Phase 10 backfill, so the crew pumped the water into the frac tanks. PSC collected a floor confirmation sample. Bodine was on site to haul MGP-impacted water to PDC's Clinton landfill for proper disposal.

Thursday - October 15:

PSC continued to excavate the third section of the Canal embankment. Two Kirschhoffer trucks hauled the MGP-impacted material to the Republic landfill, while two other trucks delivered clean clay from the Republic landfill to use as backfill. The excavation continued in the southern and western portions, and the crew placed backfill in the eastern portion. The floor of the eastern area, prior to placing backfill, was visually clean at an elevation of 436 feet amsl. Bodine was on site to haul MGP-impacted water to PDC's Clinton landfill for proper disposal.

Friday - October 16:

PSC continued to excavate in the west half of the third section of the Canal embankment and backfill in the eastern portion. Two Kirschhoffer trucks hauled MGP-impacted material to the Republic landfill, while two other trucks delivered clean clay. PSC performed compaction testing on Lifts #1, 2, 3, 4, 5, 6, and 7; all fourteen tests passed 95% compaction. Lift #7 was at an elevation of approximately 449 feet amsl. Bodine was on site to haul MGP-impacted water to PDC's Clinton landfill for proper disposal.

Saturday - October 17:

No work performed today.

Health & Safety Activities:

Weather Conditions:	This week was cooler, but sunny. Highs ranged from 55 - 75 degrees F, while lows ranged from 39 - 63 degrees F. The water level in the Canal remained low and fairly steady at an elevation of approximately 440.5 feet.
H&S Issues/ Other:	Safety topics for the week included "Eye Protection," "Hand Tools," "Housekeeping," "Stress," and "Driving."

Out of Scope Items:

PSC received an Ameren invoice for $90,000 dated October 9, 2015 for purchasing and installing power line jackets for covering high voltage power lines for the building demolition from December 2013.

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

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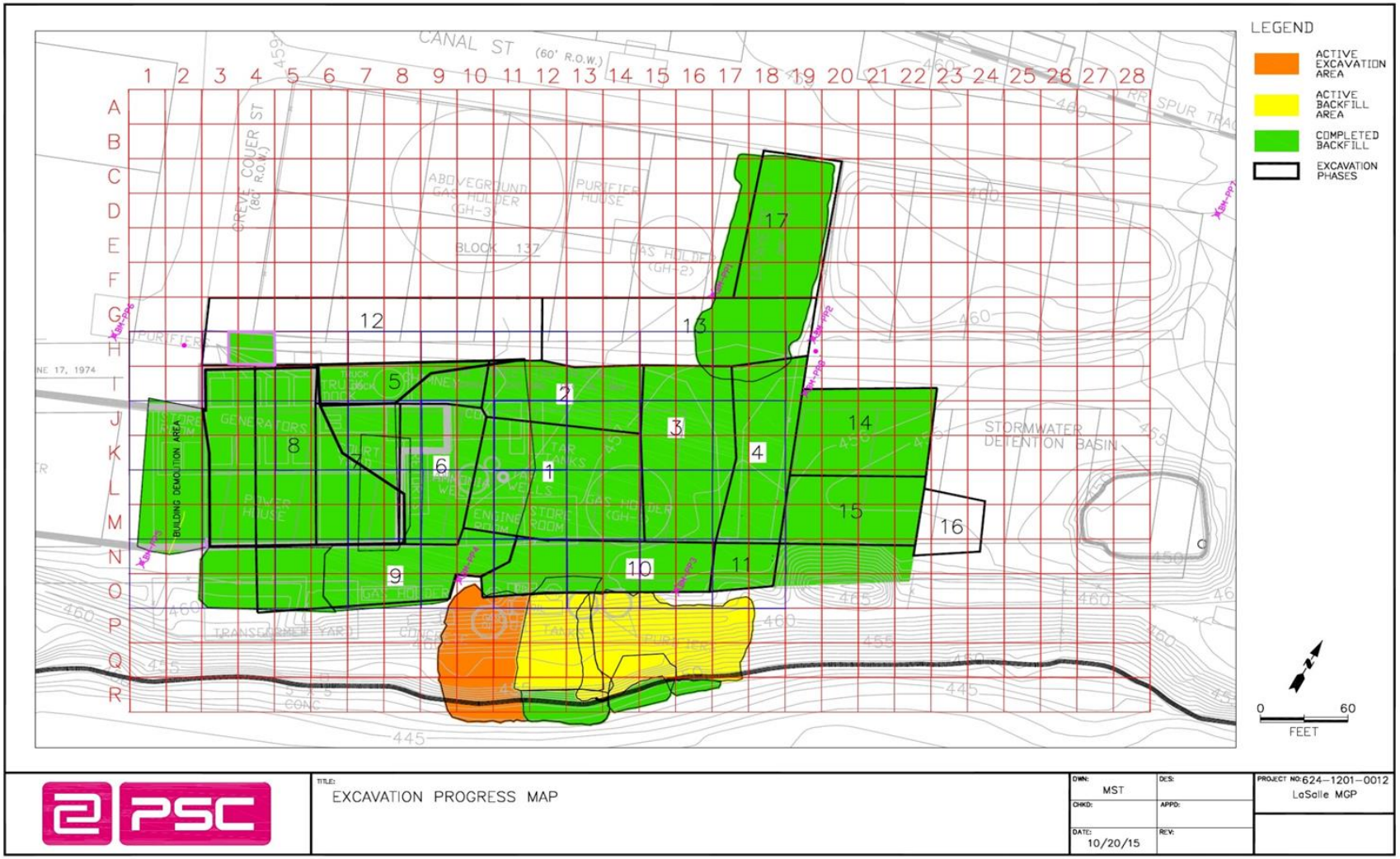
PSC Project Number 624-1202-0012



LaSalle MGP Air Monitoring Progress Report
Week Ending October 17, 2015

Developments During the Reporting Period

Activities Performed

- Time integrated air samples were collected from October 11th to October 14th and from October 14th to October 17th. Samples collected on October 14th were picked up by STAT on October 14th. Samples collected on October 17th were picked up by STAT on October 20th.
- CEC performed hourly real-time air monitoring during work hours at the five time-integrated air monitoring station locations for particulate matter less than 10 micron in aerodynamic size (PM_{10}) and volatile organic compounds (VOC). Results indicate that all parameters were below the real-time action levels.

Sampling Problems Encountered

- The sample "AMS00TO15100815 T" listed as media ID “60352” on the chain of custody (COC) was listed on the sample as ID “60339”.
- The sample "AMS02PM10 101415" listed as media ID "Q0344673" on the COC was listed on the sample as ID "Q03455674".
- The sample "AMS03PM10 101415" listed as media ID "Q0344673" on the COC was listed on the sample as ID "Q03455675".
- The sample "AMS04PM10 101415" listed as media ID "Q0344673" on the COC was listed on the sample as "Q03455676".

For all these samples, the media numbers on the COC were corrected by STAT to reflect the ID samples.

Real-time Air Quality Exceedances Detected

- None

Time-integrated Analytical Data Received

- Time-integrated sampling results for sampling events through September 11th for benzene, PM_{10}, and naphthalene were reported via email on October 8th. Analytical results to date for benzene, PM_{10} and PAHs indicate that the running average air concentrations at each air monitoring station are less than the risk-based standards calculated for the project.
- The air quality objectives (for naphthalene and for benzene) are updated to cover an anticipated project period of 2 years (720 days).
- CEC will continue to update results as analytical data becomes available.

Developments Anticipated During Next Reporting Period

Activities Planned

- 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
Ameren LaSalle Former MGP - Soil Removal Action

Period: October 12 through 18, 2015 (Week 109)
Completed By: Mark Kroenig

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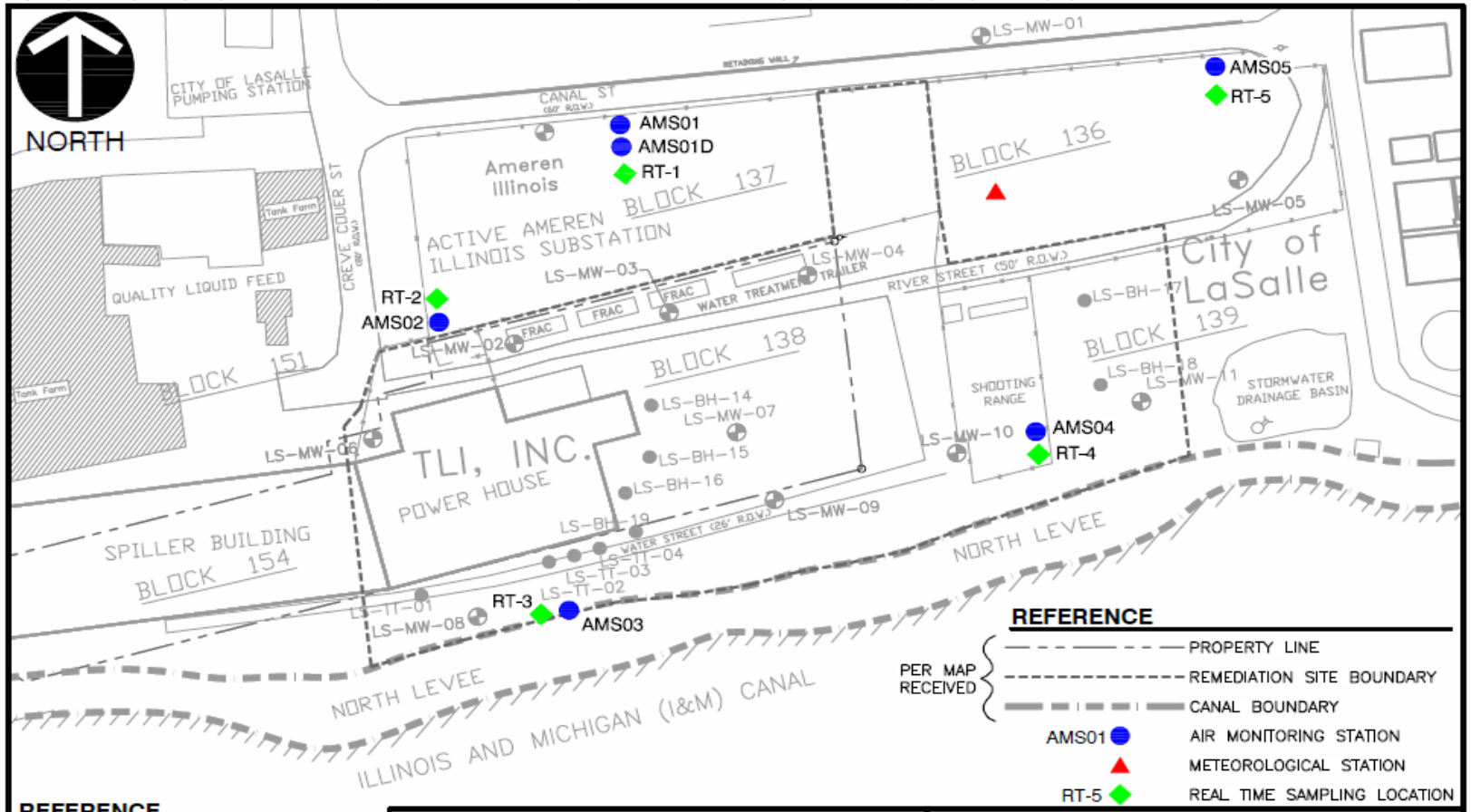

REFERENCE

1. BASE FILE PROVIDED BY CLIENT ON 11/6/13. DRAWING NAME "010012G.DWG".

SCALE IN FEET
0 100 200

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AMEREN
FORMER LASALLE MGP SITE
LASALLE, IL

AIR MONITORING STATION LOCATIONS

DRAWN BY:	SGB/CAC	CHECKED BY:	PB	APPROVED BY:	CND*	FIGURE NO.:
DATE:	NOV 2013	DWG SCALE:	1" = 100'	PROJECT NO:	131-152	2

Project Milestones Summary Report
Ameren LaSalle Former MGP - Soil Removal Action

Period: October 12 through 18, 2015 (Week 109) PSC Project Number 624-1202-0012
Completed By: Mark Kroenig

Project Milestones

	Actual Quantities				
	Prior Total:	This Period:	Total To Date:		
Weather:					
Rainfall (inches) 2015	33.98	0.00	33.98	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)	16,895.87	0.00	16,895.87	0	0
MGP Impacted Soil (Non-Source)- Republic (tons)	78,968.80	2,509.06	81,477.86	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	95,864.67	2,509.06	98,373.73	0	0
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)	9.00	0.00	9.00	0	0
United Scrap Material (weight)	151.55	0.00	151.55	0	0
Clean Material:					
CM-06, 1-inch Minus (tons)	14,632.93	0.00	14,632.93	0	0
Lime Screenings (tons)	67,369.82	0.00	67,369.82	0	0
CS-02, 2- to 3-Inch Clean Stone (tons)	8,669.98	0.00	8,669.98	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
Washed sand from WA Triumph Quarry	350.46	0.00	350.46	0	0
CA6 (Grade 8 rock, tons)	4,529.18	0.00	4,529.18	0	0
Stone Backfill Subtotal	95,620.89	0.00	95,620.89	0	0
CA-7, 1-Inch Clean Stone (tons)	1,971.02	0.00	1,971.02	0	0
CA-11 from Utica Quarry (3/4 crushed, tons)	23.28	0.00	23.28	0	0
Clean Soil Backfill (tons)	16,059.84	1,496.66	17,556.50	0	0
Top Soil (cubic yard)	0.00	0.00	0.00	0	0
TOTAL	113,675.03	1,496.66	115,171.69	0	0
Impacted Wastewater:					
Accumulated in onsite storage (gallons)	1,918,100	72,500	1,990,600	0	0
Discharged to PDC (gallons)	1,915,600	45,000	1,960,600	0	0

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

Trucks Tranporting:	Monday	Tuesday	Wednesday	Thursday	Friday	Issues
Actually Received	4	4	4	4	4	
Requested	4	4	4	4	4	

Looking north at the third section of the Canal excavation on 10/12/2015; infiltrated groundwater was running into the sump.

Looking west at the crew loading the truck with MGP-impacted material on 10/13/2015.

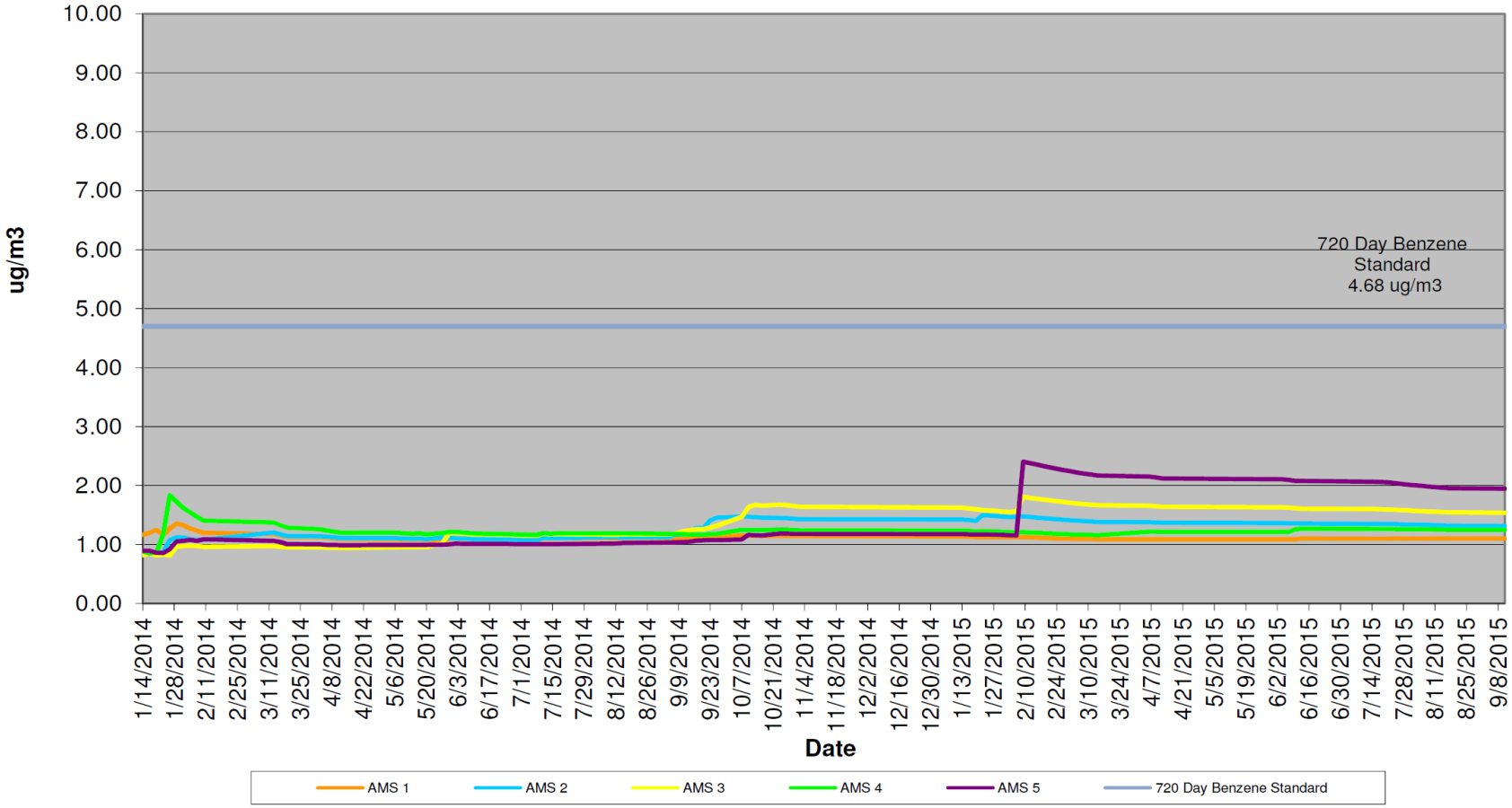
Looking north at the northern toe of the excavation beginning to be backfilled after being sampled on 10/14/2015.

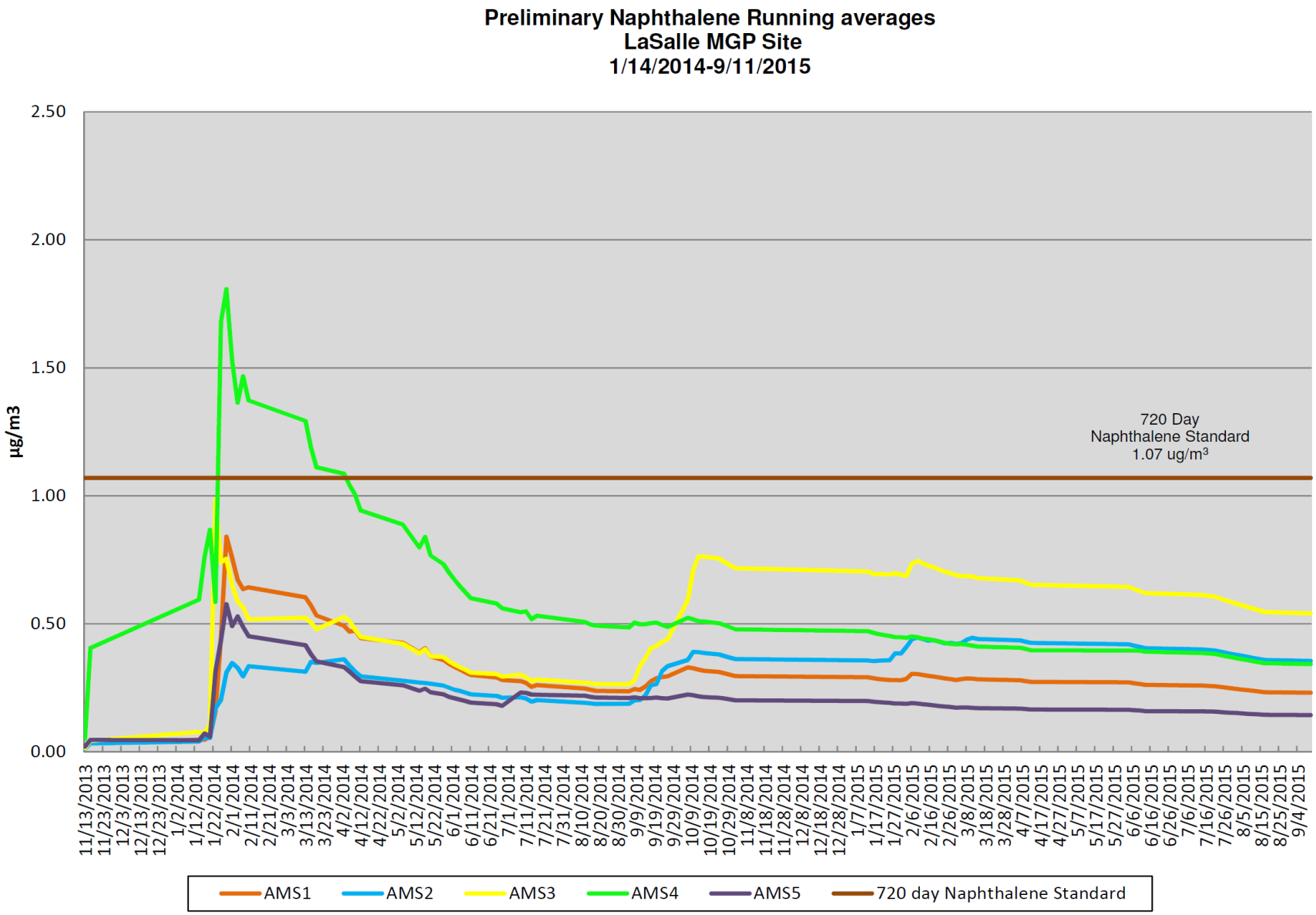
Crew cleaning the east half of the third section of the Canal embankment on 10/15/2015 in order to prepare to backfill this area.

Looking south at the compactor rolling Lift #1 (15 feet below ground surface) of the third section of the Canal embankment on 10/16/2015.

Looking west at the Canal sediment and water level on 10/16/2015; area is mostly dry.

Preliminary Benzene Running Averages
LaSalle MGP Site
1/14/2014 - 9/11/2015




Preliminary Naphthalene Running averages
LaSalle MGP Site
1/14/2014-9/11/2015
µg/m3
2.50
2.00
1.50
1.00
0.50
0.00
720 Day
Naphthalene Standard
1.07 ug/m3
11/13/2013
11/23/2013
12/3/2013
12/13/2013
12/23/2013
1/2/2014
1/12/2014
1/22/2014
2/1/2014
2/11/2014
2/21/2014
3/3/2014
3/13/2014
3/23/2014
4/2/2014
4/12/2014
4/22/2014
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6/1/2014
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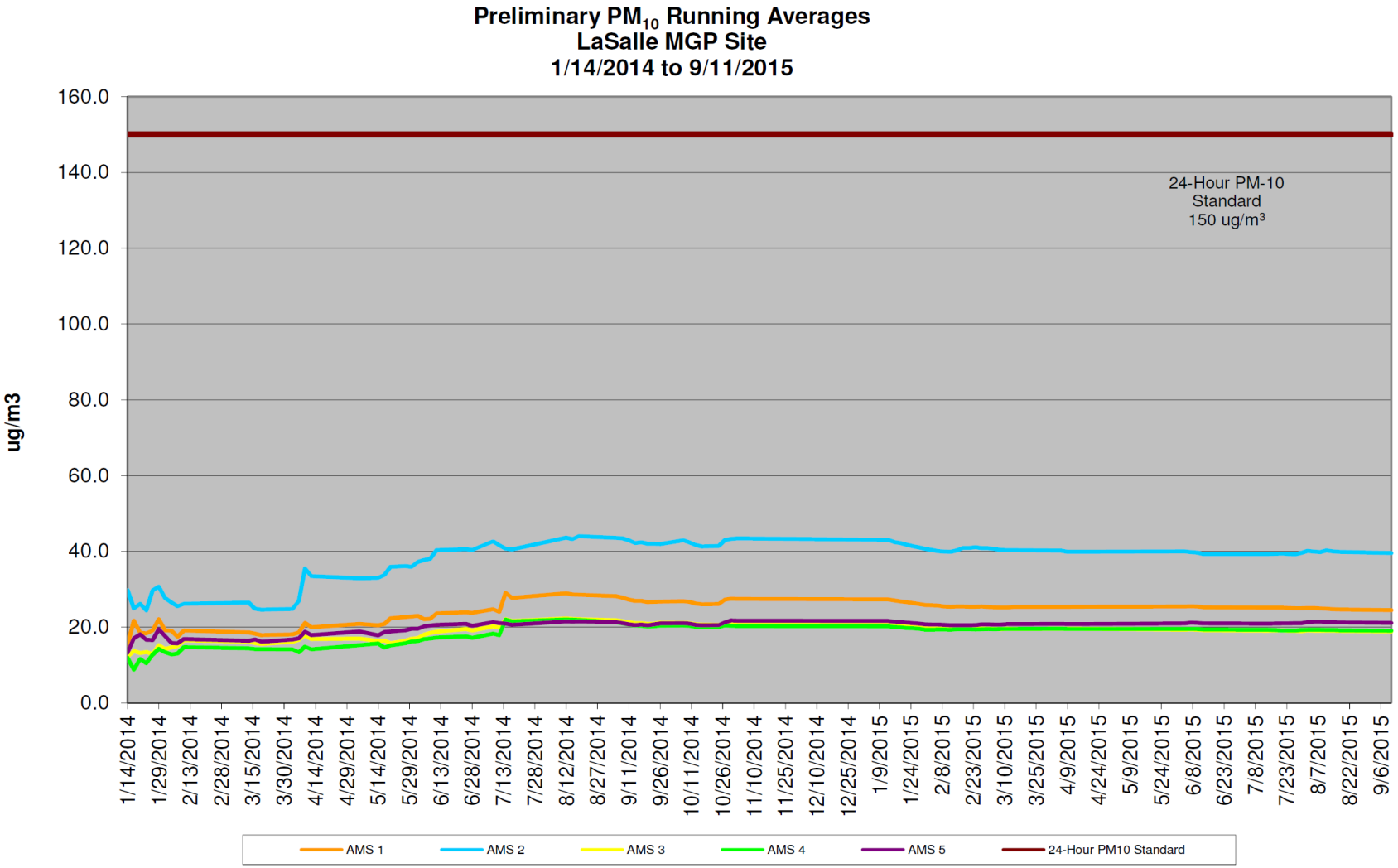
2/26/2015
3/8/2015
3/18/2015
3/28/2015
4/7/2015
4/17/2015
4/27/2015
5/7/2015
5/17/2015
5/27/2015
6/6/2015
6/16/2015
6/26/2015
7/6/2015
7/16/2015
7/26/2015
8/5/2015
8/15/2015
8/25/2015
9/4/2015
AMS1
AMS2
AMS3
AMS4
AMS5
720 day Naphthalene Standard


Preliminary PM10 Running Averages
LaSalle MGP Site
1/14/2014 to 9/11/2015
ug/m3
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
24-Hour PM-10
Standard
150 ug/m3
1/14/2014
1/29/2014
2/13/2014
2/28/2014
3/15/2014
3/30/2014
4/14/2014
4/29/2014
5/14/2014
5/29/2014
6/13/2014
6/28/2014
7/13/2014
7/28/2014
8/12/2014
8/27/2014
9/11/2014
9/26/2014
10/11/2014
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11/10/2014
11/25/2014
12/10/2014
12/25/2014
1/9/2015
1/24/2015
2/8/2015
2/23/2015
3/10/2015
3/25/2015
4/9/2015
4/24/2015
5/9/2015
5/24/2015
6/8/2015
6/23/2015
7/8/2015
7/23/2015
8/7/2015
8/22/2015
9/6/2015
AMS 1
AMS 2
AMS 3
AMS 4
AMS 5
24-Hour PM10 Standard