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

Period: October 19 through 25, 2015 (Week 110) PSC Project Number 624-1202-0012
Completed By: Mark Kroenig

General Remediation Activities Completed:

PSC continued the excavation in the western portion of the third area of the Canal embankment remediation and completed the backfill of that area at the end of the week. A total of 16,895.87 tons of Construction Debris (0 tons this week) and 82,741.24 tons of Non-Source Material (1,263.38 tons this week) has been removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 20,596.80 tons of clay (3,040.30 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 2,040.04 tons of one-inch clean rock has been brought in (69.02 tons this week). Approximately 0 gallons of water removed from the excavation are currently containerized, while approximately 2,010,600 gallons (50,000 gallons this week) have been hauled offsite for disposal.

Monday - October 19:

PSC resumed the excavation in the west half of the third section of the Canal embankment, with four trucks from Kirschhoffer hauling the MGP-impacted material to the Republic landfill. The crew excavated the northwest toe of the the third section of the excavation to depth and placed clean clay along the north side to stop groundwater infiltration. The southwest side of the third section of the embankment was also excavated to a visually clean floor. Two Bodine trucks hauled five loads of MGP-impacted water to PDC's Clinton landfill for proper disposal.

Tuesday - October 20:

PSC completed the excavation in the west half of the third section of the Canal embankment and began backfilling with clean clay from the stockpile on site and material hauled in. Two trucks from Kirschhoffer hauled the MGP-impacted material to the Republic landfill, and two other trucks hauled clean clay backfill from the Republic landifll. PSC continued to pump impacted water from the Canal embankment excavation to the frac tanks. One Bodine truck hauled MGP-impacted water to PDC's Clinton landfill for proper disposal. The first backfill lift was completed and PSC performed compaction testing with the electrical density gauge (EDG). Both compaction tests passed 95% compaction.

Wednesday - October 21:

PSC continued to backfill in the third section of the Canal embankment. Four Kirschhoffer trucks delivered clean clay from the Republic landfill to use as backfill. PSC ordered three loads of CA-7 from Pohar to address the access road. PSC performed compaction testing for Lifts #2 and 3 with the EDG; all four tests passed compaction. Midwest Testing was on site to perform duplicate compaction testing on Lift #4 with their nuclear density gauge (NDG) to check the EDG calibration. Both tests passed over 100% compaction and were within 1% of each other. After Lift #4, the western portion of the backfill was at the same elevation as the eastern portion because the western area required a thicker base layer to bridge the water. PSC resumed the lift numbering consistent with the eastern section for the remainder of the backfill, which covered both the east and west areas. PSC performed compaction tests on Lifts #8 and 9 with the EDG. All six compaction tests passed 95% compaction. One Bodine truck was on site to haul two loads of MGP-impacted water to PDC's Clinton landfill for proper disposal.

Thursday - October 22:

PSC continued to backfill the third section of the Canal embankment. All four Kirschhoffer trucks delivered clean clay from the Republic landfill to use as backfill. PSC performed compaction tests on Lifts #10, 11, 12, and 13 with the EDG. All twelve tests passed 95% compaction. Bodine was on site to haul one load of MGP-impacted water to PDC's Clinton landfill for proper disposal and emptied the frac tanks on site.

Friday - October 23:

PSC completed the backfill in the third section of the Canal embankment to grade. Four Kirschhoffer trucks delivered clean clay from the Republic landfill. PSC performed compaction testing on Lifts #14 and 15; all six tests passed 95% compaction. Crew switched over to excavating in the fourth section of the Canal embankment near the end of the day.

Saturday - October 24:

No work performed today.

Health & Safety Activities:

Weather Conditions:	This week was sunny at the beginning of the week with clouds and cooler weather toward the end. Highs ranged from 68 - 79 degrees F, while lows ranged from 47 - 60 degrees F. The water level in the Canal remained low, but rose slightly to an elevation of 441.1 feet.
H&S Issues/ Other:	Safety topics for the week included "Head Injuries," "Motion Injuries," "LPS Alert " "Fueling Operations and Static Electricity," and "E-coli."

Out of Scope Items:

None.

Remediation Footprint and Excavation Progress Map
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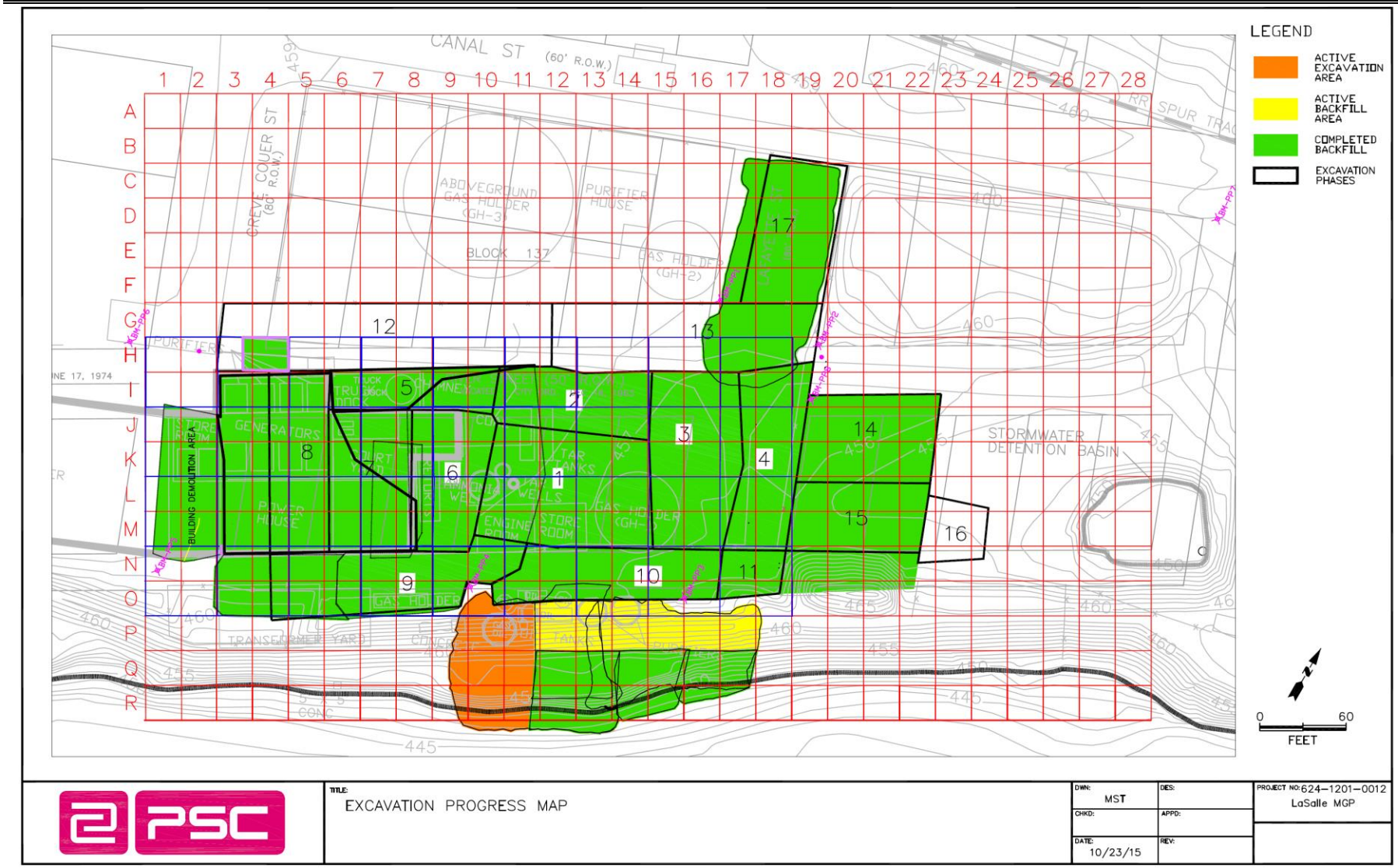
PSC Project Number 624-1202-0012



TITLE: EXCAVATION PROGRESS MAP

DWN: MST	DES:	PROJECT NO: 624-1201-0012 LaSalle MGP	
CHKD:	APPD:		
DATE: 10/23/15	REV:		

Air Monitoring Activity Summary Report
Ameren LaSalle Former MGP - Soil Removal Action

Period:	October 19 through 25, 2015 (Week 110)	PSC Project Number	624-1202-0012
Completed By:	Mark Kroenig		

LaSalle MGP Air Monitoring Progress Report
Week Ending October 24, 2015

Developments During the Reporting Period

Activities Performed

- Time integrated air samples were collected from October 17th to October 20th and from October 20th to October 23th. Samples collected on October 20th were picked up by STAT on October 20th. Samples collected on October 23th were picked up by STAT on October 23th.
- Air Monitoring Station 03 (AMS03) shut down November 23 for 30 minutes to be relocated due to the expansion of the excavating activity. The station was moved approximately 50-feet to the east along the site-side of the canal embankment. The attached figure indicates the former and new locations of AMS03.
- 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 trip sample "AMS00TO15 102315 102315 T" listed as media ID "60307" on the chain of custody (COC) was listed on the canister as ID "60331". The media number on the COC was corrected by CEC and sent to 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
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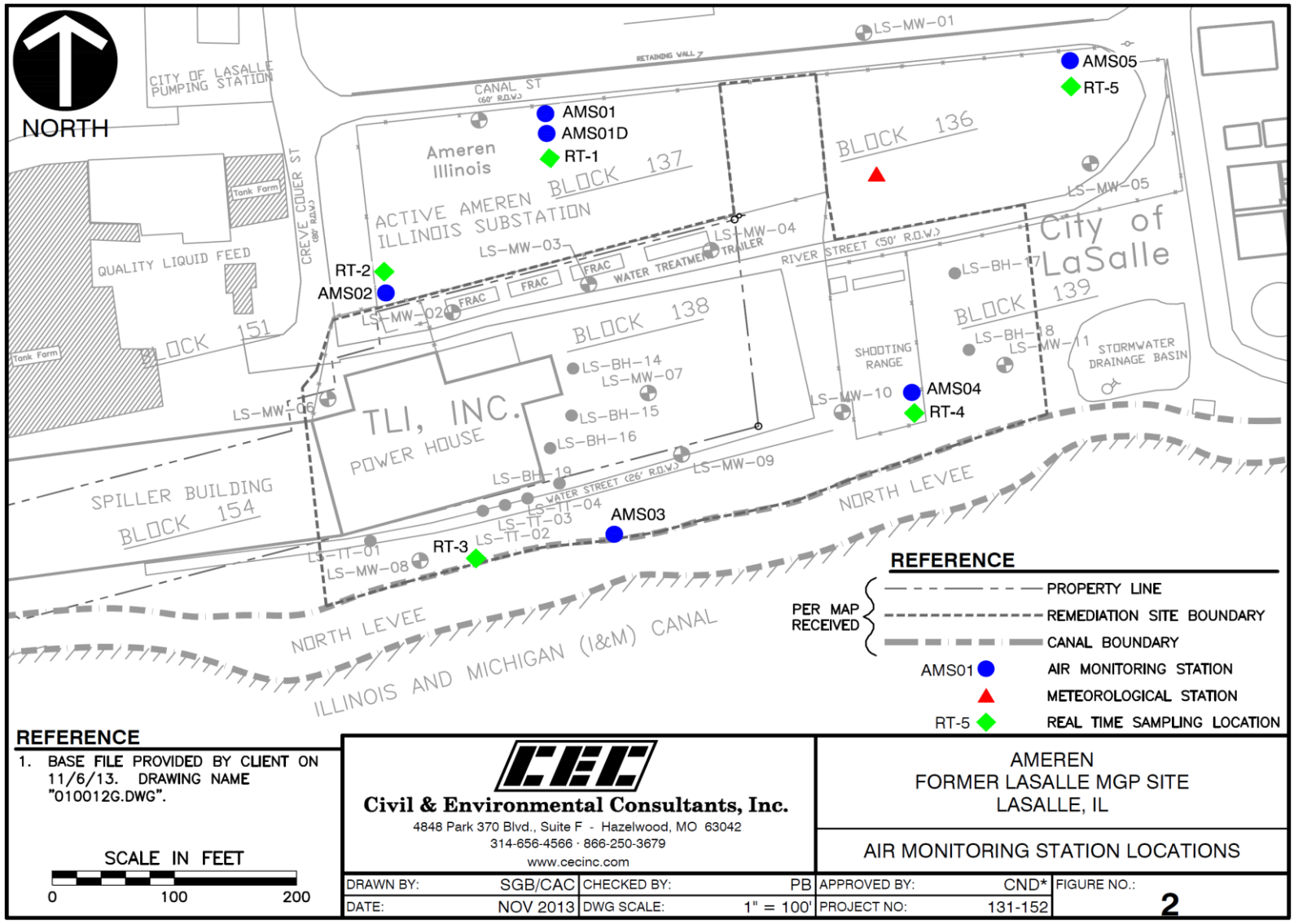


Project Milestones Summary Report
Ameren LaSalle Former MGP - Soil Removal Action

Period: October 19 through 25, 2015 (Week 110) 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	0.01	33.99	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)	81,477.86	1,263.38	82,741.24	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	98,373.73	1,263.38	99,637.11	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	69.02	2,040.04	0	0
CA-11 from Utica Quarry (3/4 crushed, tons)	23.28	0.00	23.28	0	0
Clean Soil Backfill (tons)	17,556.50	3,040.30	20,596.80	0	0
Top Soil (cubic yard)	0.00	0.00	0.00	0	0
TOTAL	115,171.69	3,109.32	118,281.01	0	0
Impacted Wastewater:					
Accumulated in onsite storage (gallons)	1,990,600	20,000	2,010,600	0	0
Discharged to PDC (gallons)	1,960,600	50,000	2,010,600	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 west at the third section of the Canal excavation on 10/19/2015; stopped water infiltration with backfill in the north toe of the excavation.

Third section of the Canal excavation on 10/20/2015. The floor and west wall are visually clean and ready for backfill.

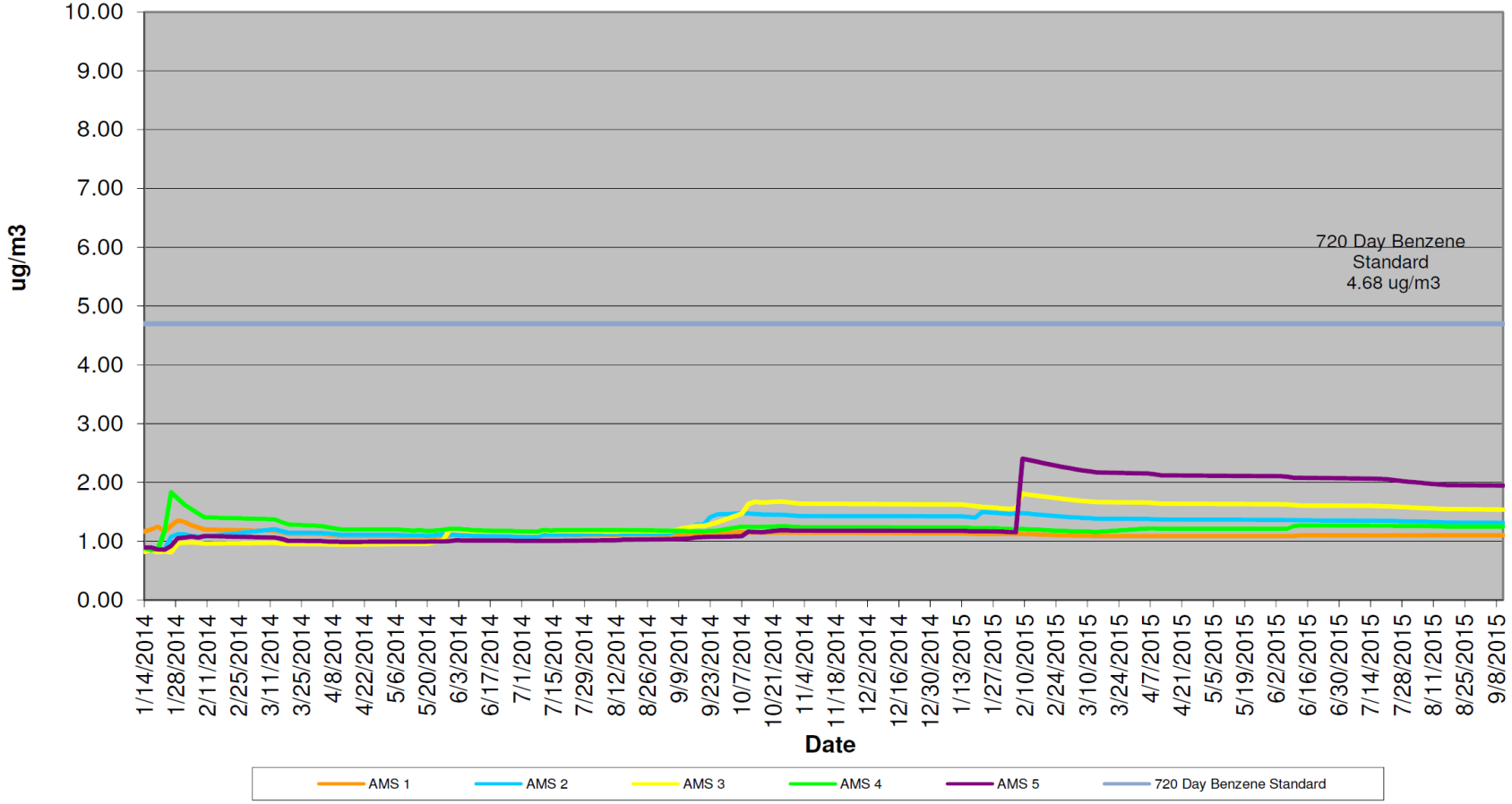
Side-by-side compaction testing with Midwest Testing's NDG and PSC's EDG on 10/21/2015. Photo looking south.

Dozer spreading clean backfill material for Lift #11 in the third section of the Canal embankment on 10/22/2015. Photo looking northwest.

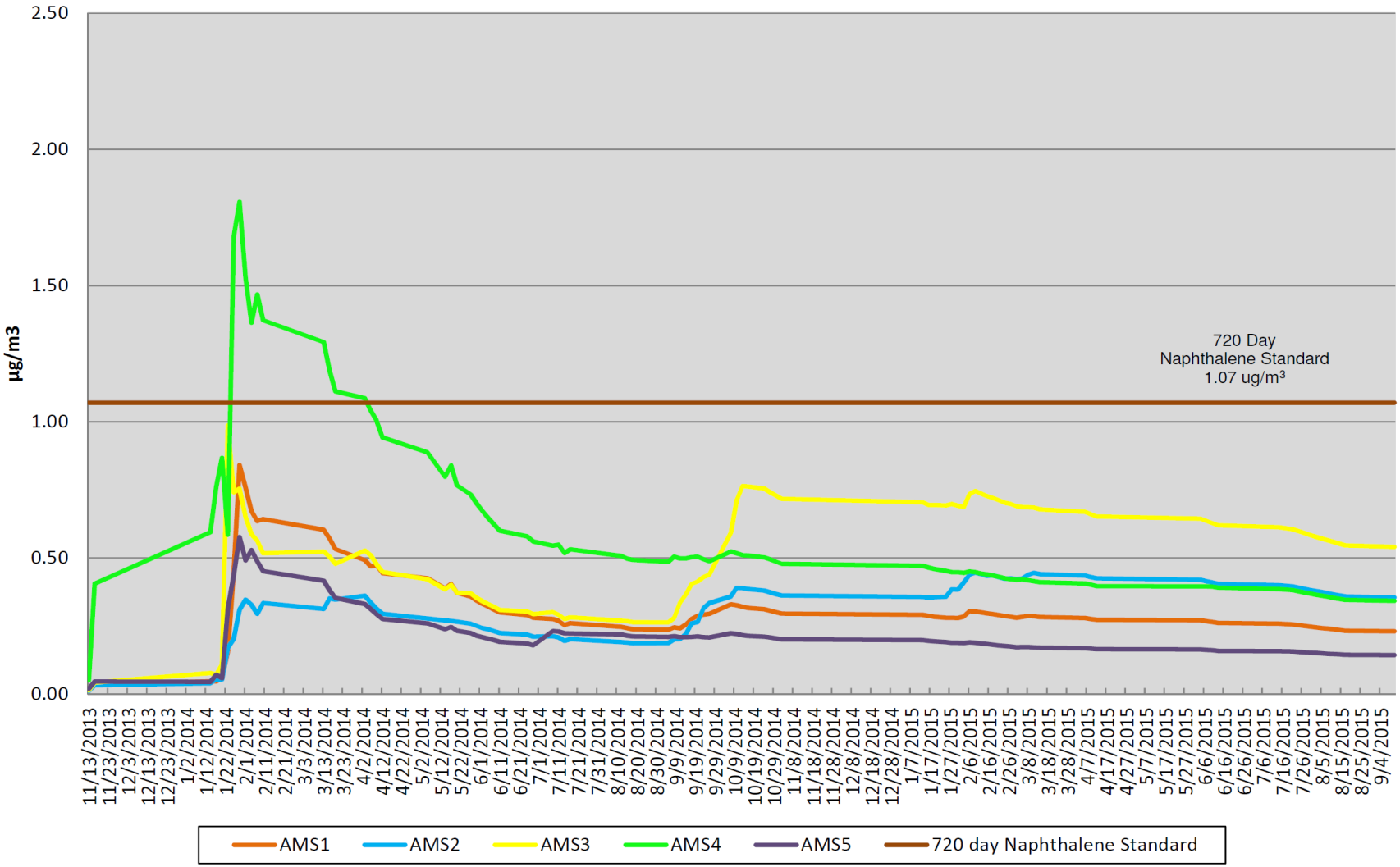
Looking south at the Canal water level at 441.06 feet on 10/23/2015.

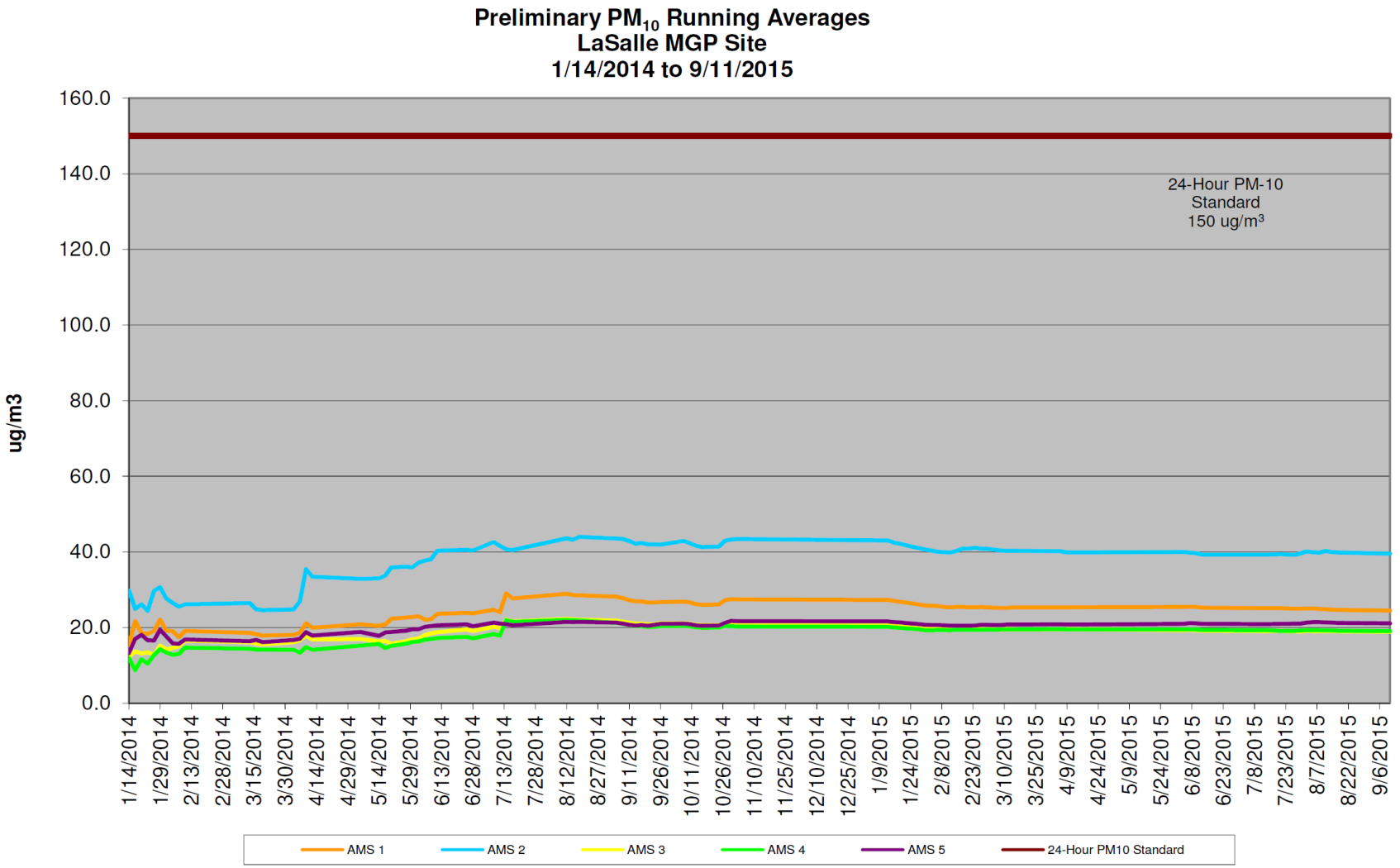
Compacting the final Lift #15 (at grade) on 10/23/2015. Photo looking west.

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




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
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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