



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

Period: October 26 through November 1, 2015 (Week 111) PSC Project Number 624-1202-0012
Completed By: Mark Kroenig

General Remediation Activities Completed:

This week, PSC placed rip rap to armor the south slope of the first, second, and third sections of the Canal embankment to grade and continued to excavate in the fourth section of the embankment. A total of 17,173.22 tons of Construction Debris (277.35 tons this week) and 83,861.31 tons of Non-Source Material (1,120.07 tons this week) has been removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 20,949.12 tons of clay (352.32 tons this week) and 95,749.68 tons of rock (lime screenings, one-inch minus, two- to three-inch clean rock, rip rap, and CA6; 128.79 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 (0 tons this week). Approximately 35,000 gallons of water removed from the excavation are currently containerized, while approximately 2,010,600 gallons (0 gallons this week) have been hauled offsite for disposal.

Monday - October 26:

PSC prepared the south slope of the Canal embankment to grade in the first, second, and third areas for rip rap placement and began placing the rock to armor the slope. One Pohar truck delivered five loads of rip rap to the site. The operators also stockpiled large pieces of concrete debris from the embankment and excavation area. The crew dismantled the tent on site to prepare for the remediation phases along the substation fence (Phases 12 and 13).

Tuesday - October 27:

PSC completed the rip rap placement along the south embankment slope to grade in the first, second, and third areas. One Pohar truck delivered one load of rip rap to the site. PSC began excavating material in the fourth area of the Canal embankment and stockpiled it on-site to be loaded out on Wednesday. The crew also used the hydraulic hammer excavator attachment to break the concrete debris into manageable pieces for load-out and disposal.

Wednesday - October 28:

PSC continued to excavate in the fourth section of the Canal embankment and break up concrete debris for disposal. The crew loaded impacted material from the stockpile on site and excavated the overburden of the embankment in the fourth and fifth sections. Four Kirschhoffer trucks hauled MGP-impacted material to the Republic landfill; two steel trucks hauled concrete debris while two aluminum trucks hauled MGP-impacted soil. Trucks were slowed due to wet conditions at the landfill.

Thursday - October 29:

PSC continued to excavate the fourth section of the Canal embankment. Two Kirschhoffer trucks hauled one load each of concrete debris to the Republic landfill, then all four Kirschhoffer trucks hauled MGP-impacted material to the Republic landfill for disposal. Water infiltrated into the excavation at the interface of the excavation area and the previous backfill to the north. The crew built a small clay dam to contain the water so that it could be pumped on Friday.

Friday - October 30:

PSC continued to excavate the fourth section of the Canal embankment in the morning, but switched to clean clay backfill to block the flow of infiltrating water. Four Kirschhoffer trucks hauled MGP-impacted material to the Republic landfill in the morning, and switched to hauling clean clay from the Republic landfill in the afternoon. PSC pumped water from the excavation into the frac tanks and backfilled along the north wall of the excavation with clean clay to stop the water infiltration from the north.

Saturday - November 1:

No work performed today.

Health & Safety Activities:

Weather Conditions: This week was colder and windy, with rain early in the week. Highs ranged from 50 - 64 degrees F, while lows ranged from 37 - 55 degrees F. The water level in the Canal remained low, but rose slightly to an elevation of 441.5 feet.

H&S Issues/ Other: Safety topics for the week included "Hand Safety," "Site Awareness," "Taking Safety Home," "Texting and Driving," and "Heavy Equipment Failures."

Out of Scope Items:

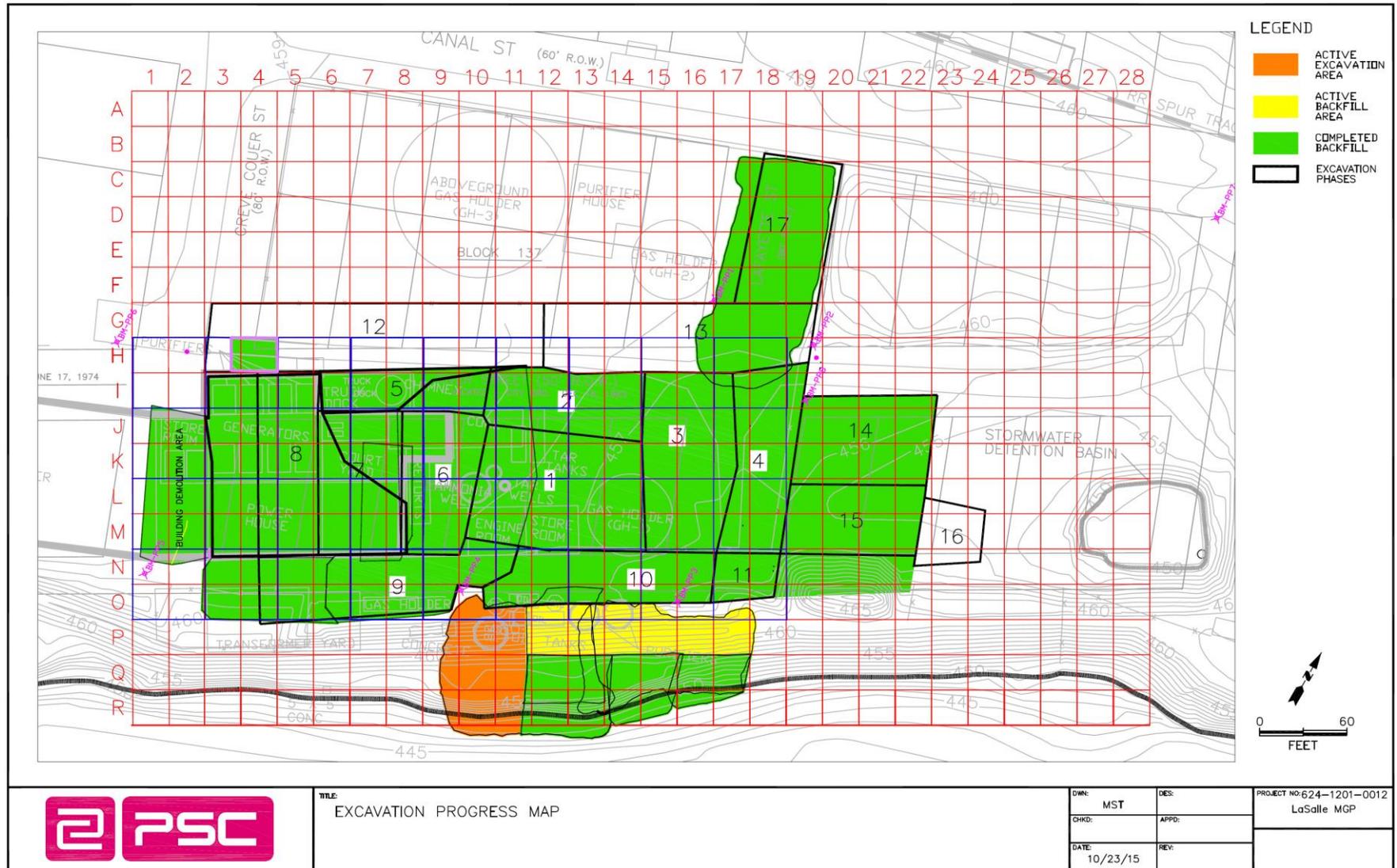
None.



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

Period: October 26 through November 1, 2015 (Week 111)
Completed By: Mark Kroenig

PSC Project Number 624-1202-0012



TITLE: EXCAVATION PROGRESS MAP

DWN: MST
CHKD:
DATE: 10/23/15

DES:
APPD:
REV:

PROJECT NO-624-1201-0012
LaSalle MGP



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

Period: October 26 through November 1, 2015 (Week 111) PSC Project Number 624-1202-0012
Completed By: Mark Kroenig

**LaSalle MGP Air Monitoring Progress Report
Week Ending October 31, 2015**

Developments During the Reporting Period

Activities Performed

- Time integrated air samples were collected from October 23th to October 26th and from October 26th to October 29th and from October 29th to November 2nd. Samples collected on October 26th were picked up by STAT on October 26th. Samples collected on October 29th were picked up by STAT on October 29th. Samples collected on November 2nd were picked up by STAT on November 2nd.
- 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 (PM₁₀) and volatile organic compounds (VOC). Results indicate that all parameters were below the real-time action levels.

Sampling Problems Encountered

- AMS01 was down between 7:00am and 7:15am on Oct 26. The station was reset and relaunched.
- AMS01 was down between 7:00am to 7:15am on Oct 27. The media was replaced and the power reset.
- PUF sampler motor for AMS01 was down between 9:00am and 9:15am on Oct 28. The motor was replaced and the station relaunched.
- AMS04 and AMS03 PUF motor samplers were replaced between 7:00am and 7:15am on Oct 29. The 2 stations were reset and relaunched.
- AMS05 sample motor was replaced between 9:00am and 9:15am on Oct 30. The station was relaunched.

Real-time Air Quality Exceedances Detected

- None

Time-integrated Analytical Data Received

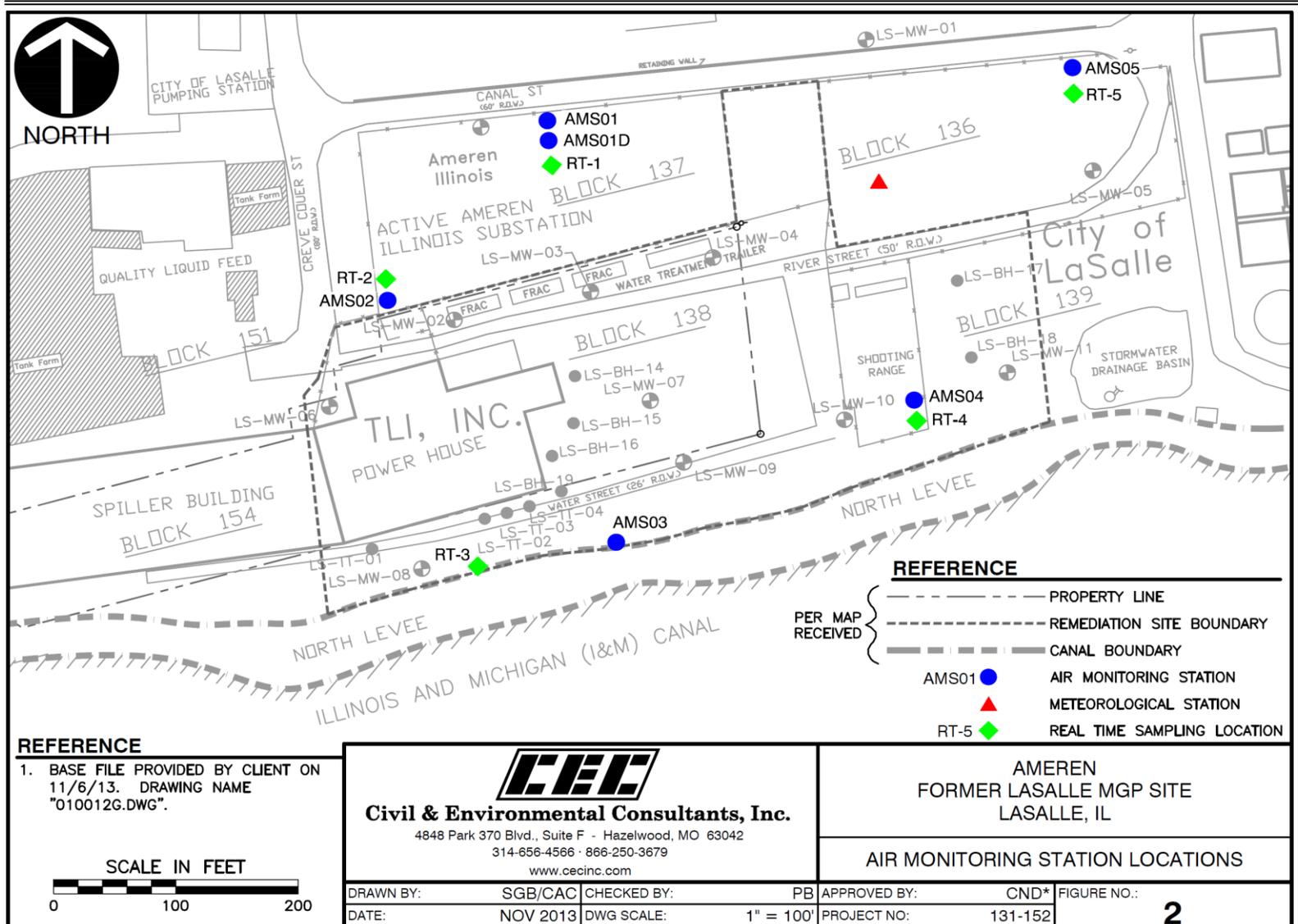
- Time-integrated sampling results for sampling events through September 11th for benzene, PM₁₀, and naphthalene were reported via email on October 8th. Analytical results to date for benzene, PM₁₀ and PAHs indicate that the running average air concentrations at each air monitoring station are less than 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.



**Air Monitoring Station Locations
Ameren LaSalle Former MGP - Soil Removal Action**

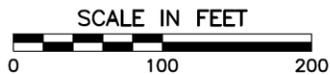
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REFERENCE

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



REFERENCE

- PER MAP RECEIVED {
- PROPERTY LINE
- REMEDIATION SITE BOUNDARY
- CANAL BOUNDARY
- AMS01 ● AIR MONITORING STATION
- ▲ METEOROLOGICAL STATION
- RT-5 ◆ REAL TIME SAMPLING LOCATION

CEC
Civil & Environmental Consultants, Inc.
4848 Park 370 Blvd., Suite F - Hazelwood, MO 63042
314-656-4566 · 866-250-3679
www.cecinc.com

AMEREN
FORMER LASALLE MGP SITE
LASALLE, IL

AIR MONITORING STATION LOCATIONS

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



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

Period: October 26 through November 1, 2015 (Week 111)
 Completed By: Mark Kroenig

PSC Project Number 624-1202-0012

Project Milestones

Actual Quantities

<u>Weather:</u>	<u>Prior Total:</u>	<u>This Period:</u>	<u>Total To Date:</u>	
Rainfall (inches) 2015	33.99	1.50	35.49	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	277.35	17,173.22	0	0
MGP Impacted Soil (Non-Source)- Republic (tons)	82,741.24	1,120.07	83,861.31	120,000*	0
MGP Impacted Soil (Source)- PDC (tons)	0.00	0.00	0.00	0	0
TOTAL	99,637.11	1,397.42	101,034.53	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
4 - 8 inch Rip Rap	0.00	128.79	128.79	0	0
CA6 (Grade 8 rock, tons)	4,529.18	0.00	4,529.18	0	0
<i>Stone Backfill Subtotal</i>	95,620.89	128.79	95,749.68	0	0
CA-7, 1-Inch Clean Stone (tons)	2,040.04	0.00	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)	20,596.80	352.32	20,949.12	0	0
Top Soil (cubic yard)	0.00	0.00	0.00	0	0
TOTAL	118,281.01	481.11	118,762.12	0	0

Impacted Wastewater:

Accumulated in onsite storage (gallons)	2,010,600	35,000	2,045,600	0	0
Discharged to PDC (gallons)	2,010,600	0	2,010,600	0	0

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

Trucks Transporting:

Monday Tuesday Wednesday Thursday Friday Issues

Actually Received	1	1	4	4	4	
Requested	1	1	4	4	4	



Looking northeast on 10/26/2015 at the tent structure being removed by the crew.



The completed rip rap application on the slope of the first, second, and third sections on 10/27/2015. Photo is looking east.



Looking west at excavators removing overburden in the fourth and fifth areas and breaking concrete on 10/28/2015.



Looking east at bermed water infiltrating from the clean backfill on 10/29/2015.
Excavation continued to the south.

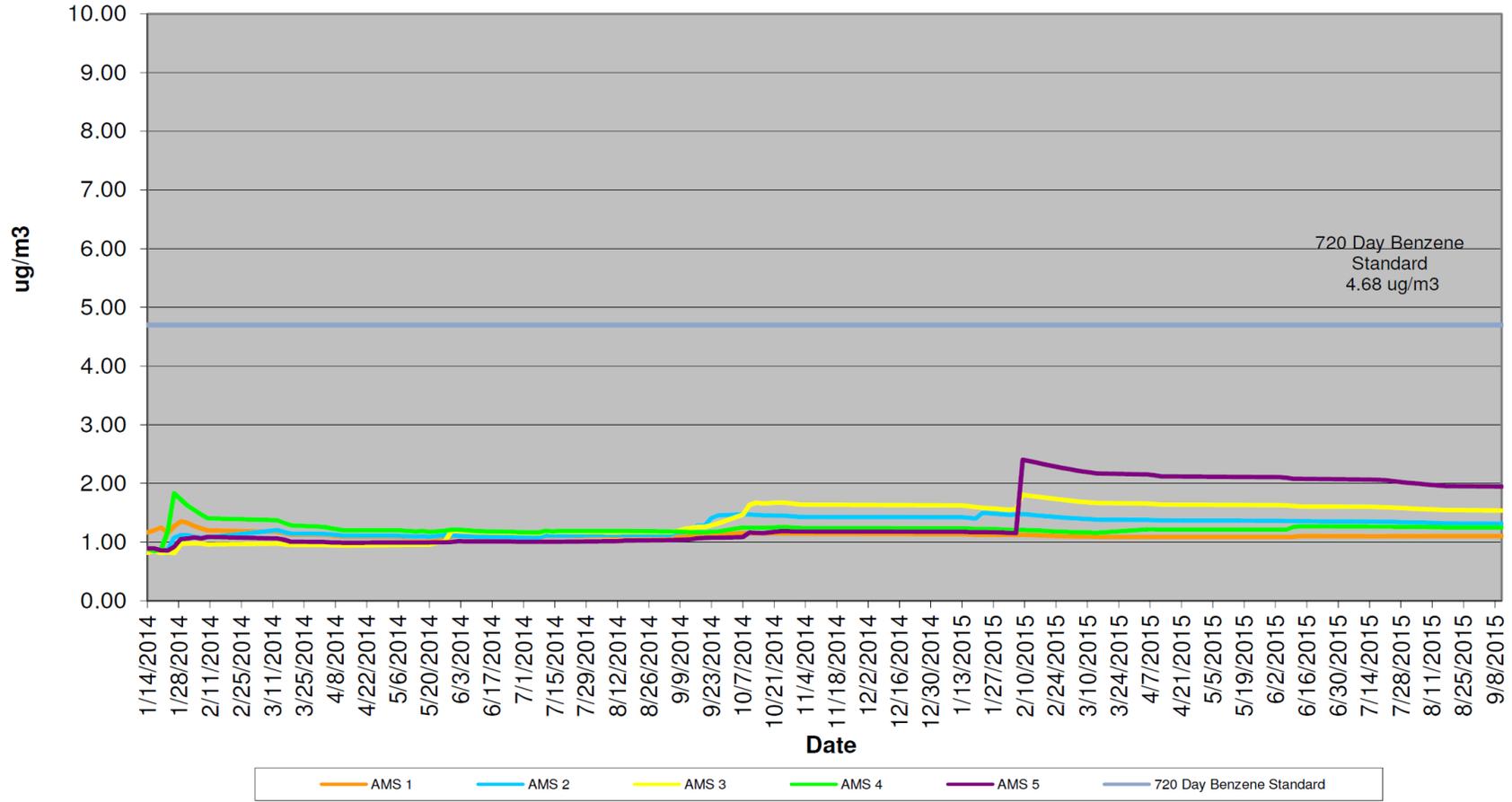


Looking northeast at clean clay being placed and compacted with the excavator bucket to stop water infiltration on 10/30/2015.

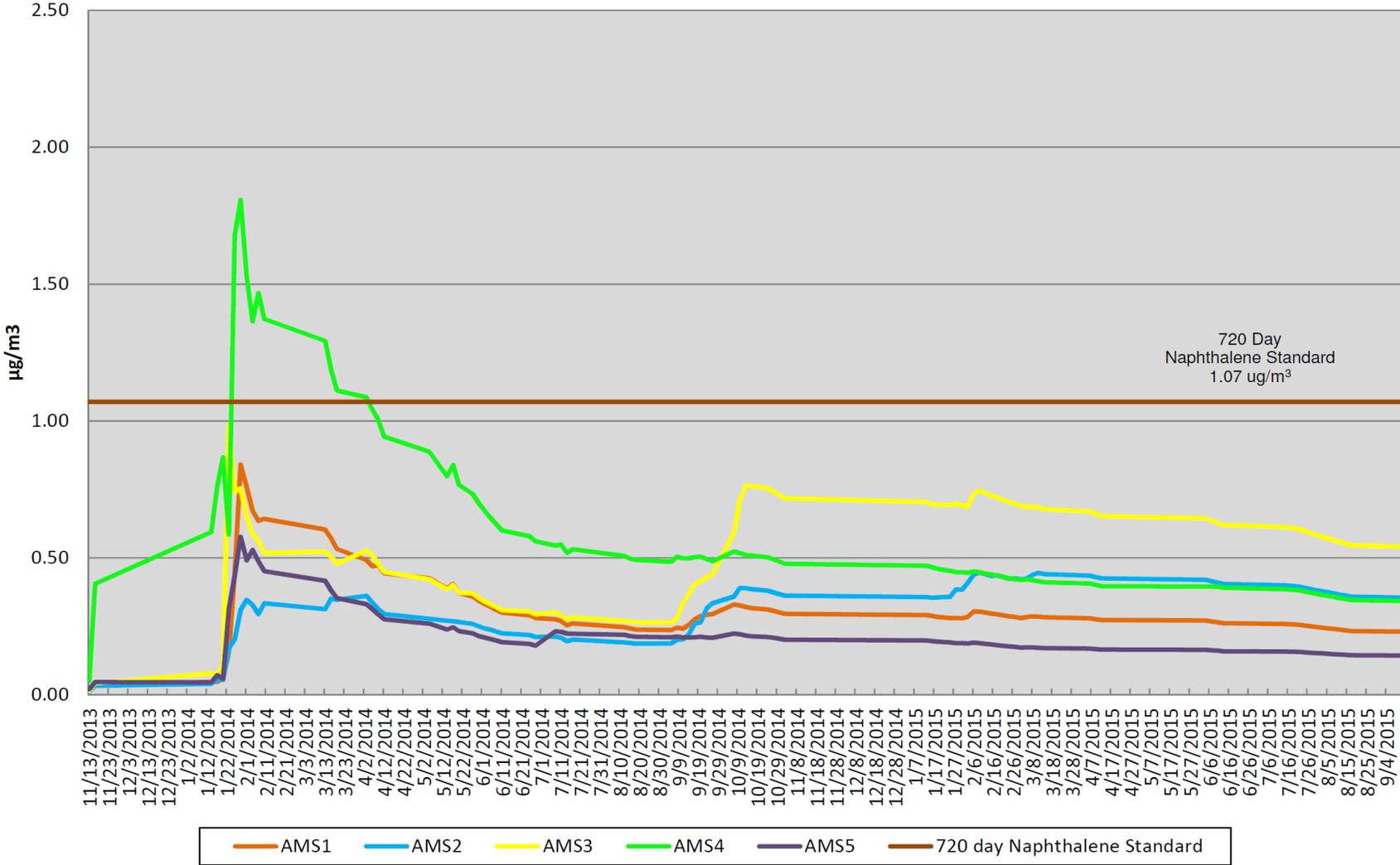


Looking northwest at the clay backfill on the north wall and sump in the southwest corner of the excavation on 10/30/2015.

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

