



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

Period: August 11 through 17, 2014 (Week 48)
Completed By: Jeff Adams

PSC Project Number 624-1202-0012

General Remediation Activities Completed:

PSC continued active onsite remediation activities, including completion of the Phase 9 and 10 backfill, and beginning phase 11 excavation. The sketch on Page 2 shows the extent of the excavation and completed backfilling activities. A total of 3,561.82 tons of Construction Debris (0 tons this week) and 30,601.43 tons of Non-Source Material (1,688.26 tons this week) were removed and hauled to Republic Services-Ottawa, Illinois Landfill. A total of 3,768.71 tons of clay (0 tons this week) and 30,371.14 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, 471.90 tons of clean one-inch stone (0 tons this week) have been brought in to address the haul roads and parking areas. Approximately 4,000 gallons of water removed from the excavation are currently containerized, while approximately 484,300 gallons (20,300 this week) have been hauled offsite for disposal.

Monday - August 11th:

Completed backfilling and compaction of the Phase 9/10 excavation with lime screenings from LaFarge's Utica Quarry. Phase #11 was prepared for excavation. Approximately 1,000 gallons of water was pumped into the onsite storage from the excavation. QLF continued aeration of the stormwater basin using an air compressor and hauled 2 loads of ammonia impacted water from the basement for offsite disposal. Water is being hauled from the frac tanks offsite to PDC.

Tuesday - August 12th:

Began excavation of phase #11, Soil must be excavated to a stockpile and then loaded, due to proximity to overhead lines. Approximately 3,000 gallons of water was pumped into the onsite storage from the excavation. QLF continued aeration of the stormwater basin and hauled 2 loads of ammonia impacted water from the basement for offsite disposal. Bodine hauled water from the frac tanks offsite to PDC. Kaskaskia Engineering Group (KEG) was onsite to evaluate the site layout to develop sewer bypass design.

Wednesday - August 13th:

Continued excavation of phase #11. Approximately 3,000 gallons of water was pumped into the onsite storage from the excavation. Water is being hauled from the frac tanks offsite to PDC. QLF continued to haul ammonia impacted basement water offsite for disposal (2 loads), and continued aeration of the stormwater basin.

Thursday - August 14th:

Continued excavation of phase #11. Approximately 3,000 gallons of water was pumped into the onsite storage from the excavation. Water is being hauled from the frac tanks offsite to PDC; all frac tanks have been emptied at the end of the day. QLF continued to haul ammonia impacted basement water offsite for disposal (3 loads), and continued aeration of the stormwater basin by spraying water again.

Friday - August 15th

Continued excavation of phase #11. QLF continued to haul ammonia impacted basement water offsite for disposal (3 loads), and continued aeration of the stormwater basin by spraying water again. A local haul truck has been added so that the requested number of haul trucks are being supplied by the landfill.

Saturday - August 16th:

No site work performed.

Health & Safety Activities:

Weather Conditions: Mostly sunny with some clouds and high temperatures from the 70s to the 90s.
H&S Issues/Other: Discussed being in the wrong place, line of fire, following to closely and general safety. No recordable accidents or incidents occurred.

Out of Scope Items:

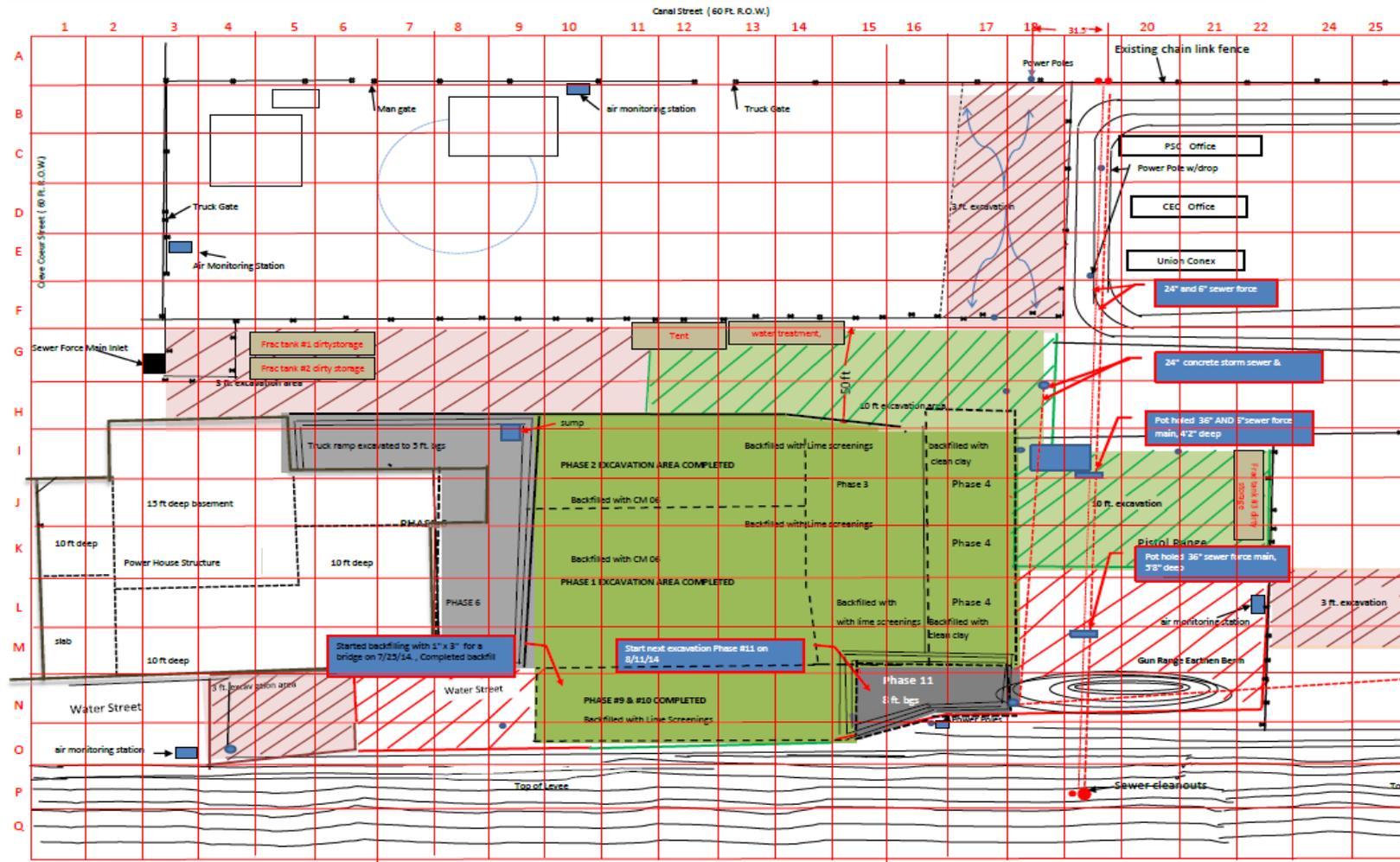
None



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

Period: August 11 through 17, 2014 (Week 48)
Completed By: Jeff Adams

PSC Project Number 624-1202-0012





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

Period: August 11 through 17, 2014 (Week 48)
Completed By: Chris Dawdy

PSC Project Number

624-1202-0012

**LaSalle MGP Air Monitoring Progress Report
Week Ending August 16, 2014**

Developments During Reporting Period

Activities Performed

- CEC restarted the time-integrated sampling on August 12th, 2014. Samples collected on August 15th were picked up by STAT Analysis on August 15th, 2014. The sampling event started on August 15th is expected to be collected on August 18th, 2014.
- 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

- The time-integrated sampling results were updated on August 5th to include sampling results through July 20, 2014. No additional time-integrated samples have been collected since July 20, 2014. 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

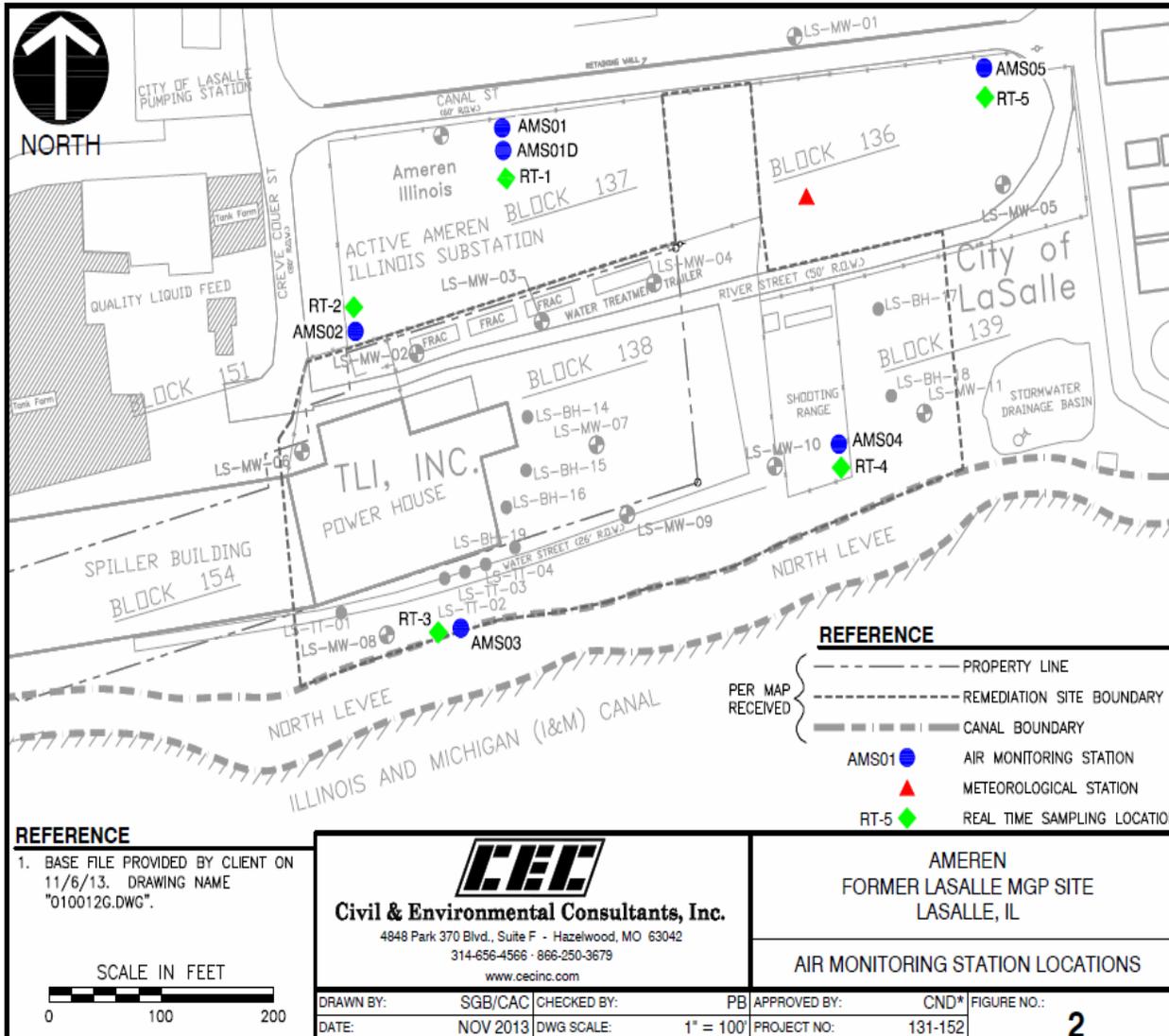
- Continue to perform time-integrated sampling at the site once intrusive activities resume.
- Continue monitoring and reporting of real-time air monitoring results.
- Review time-integrated analytical data and prepare preliminary air monitoring results as they become available.
- Perform data validation activities as data becomes available from STAT.



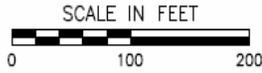
**Air Monitoring Station Locations
Ameren LaSalle Former MGP - Soil Removal Action**

Period: August 11 through 17, 2014 (Week 48)
Completed By: Jeff Adams

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



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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.: 2 |
| DATE: NOV 2013 | DWG SCALE: 1" = 100' | PROJECT NO: 131-152 | |



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

Period: August 11 through 17, 2014 (Week 48)
 Completed By: Jeff Adams

PSC Project Number

624-1202-0012

Project Milestones

Actual Quantities

Weather:

Rainfall (inches)
 Snowfall (inches)

| <u>Prior Total:</u> | <u>This Period:</u> | <u>Total To Date:</u> |
|---------------------|---------------------|-----------------------|
| 29.72 | 0.00 | 29.72 |
| 60.15 | 0.00 | 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

| | <u>Prior Total:</u> | <u>This Period:</u> | <u>Total To Date:</u> | <u>Original:</u> | <u>Revised:</u> |
|--|---------------------|---------------------|-----------------------|------------------|-----------------|
| Construction & Demolition Debris-Republic (tons) | 3,561.82 | 0.00 | 3,561.82 | 0 | 0 |
| MGP Impacted Soil (Non Source)-Republic (tons) | 28,913.17 | 1,688.26 | 30,601.43 | 120,000* | 0 |
| MGP Impacted Soil (Source)-PDC (tons) | 0.00 | 0.00 | 0.00 | 0 | 0 |
| TOTAL | 32,474.99 | 1,688.26 | 34,163.25 | 0 | 0 |

Add. Solid Waste Material:

Clean Brick-Canon Pit (loads)
 Asbestos Containing Material (ACM)-Republic (tons)
 Scrap Material (loads)

| | <u>Prior Total:</u> | <u>This Period:</u> | <u>Total To Date:</u> | <u>Original:</u> | <u>Revised:</u> |
|--|---------------------|---------------------|-----------------------|------------------|-----------------|
| 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 |

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

| | <u>Prior Total:</u> | <u>This Period:</u> | <u>Total To Date:</u> | <u>Original:</u> | <u>Revised:</u> |
|---------------------------------------|---------------------|---------------------|-----------------------|------------------|-----------------|
| CM-06, 1-Inch Minus (tons) | 15,056.95 | 0.00 | 15,056.95 | 0 | 0 |
| Lime Screenings (tons) | 13,277.26 | 0.00 | 13,277.26 | | |
| CS-02, 2 to 3-Inch Clean Stone (tons) | 2,036.93 | 0.00 | 2,036.93 | 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 |
| <u>Stone Backfill Subtotal</u> | <u>30,371.14</u> | <u>0.00</u> | <u>30,371.14</u> | <u>0</u> | <u>0</u> |
| CA-7, 1-Inch Clean Stone (tons) | 471.90 | 0.00 | 471.90 | 0 | 0 |
| Clean soil backfill (tons) | 3,768.71 | 0.00 | 3,768.71 | 0 | 0 |
| Top Soil (cubic yard) | 0.00 | 0.00 | 0.00 | 0 | 0 |
| TOTAL | 34,611.75 | 0.00 | 34,611.75 | 0 | 0 |

Treated Wastewater:

Discharged to PDC (gallons)

| | <u>Prior Total:</u> | <u>This Period:</u> | <u>Total To Date:</u> | <u>Original:</u> | <u>Revised:</u> |
|-----------------------------|---------------------|---------------------|-----------------------|------------------|-----------------|
| Discharged to PDC (gallons) | 464,000 | 20,300 | 484,300 | 0 | 0 |

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

Trucks Transporting:

| | Monday | Tuesday | Wednesday | Thursday | Friday | Issues |
|-------------------|--------|---------|-----------|----------|--------|--------|
| Actually Received | 0 | 2 | 3 | 3 | 3 | |
| Requested | 0 | 3 | 2 | 2 | 3 | |



Cement plug in abandoned concrete storm sewer in SW corner of Phase 9/10



Looking southeast, Phase #11 ready to begin excavation.





Looking northwest, southeast corner of Phase #11.



4" diameter pipe running North-South through Phase #11, with MGP impact inside.



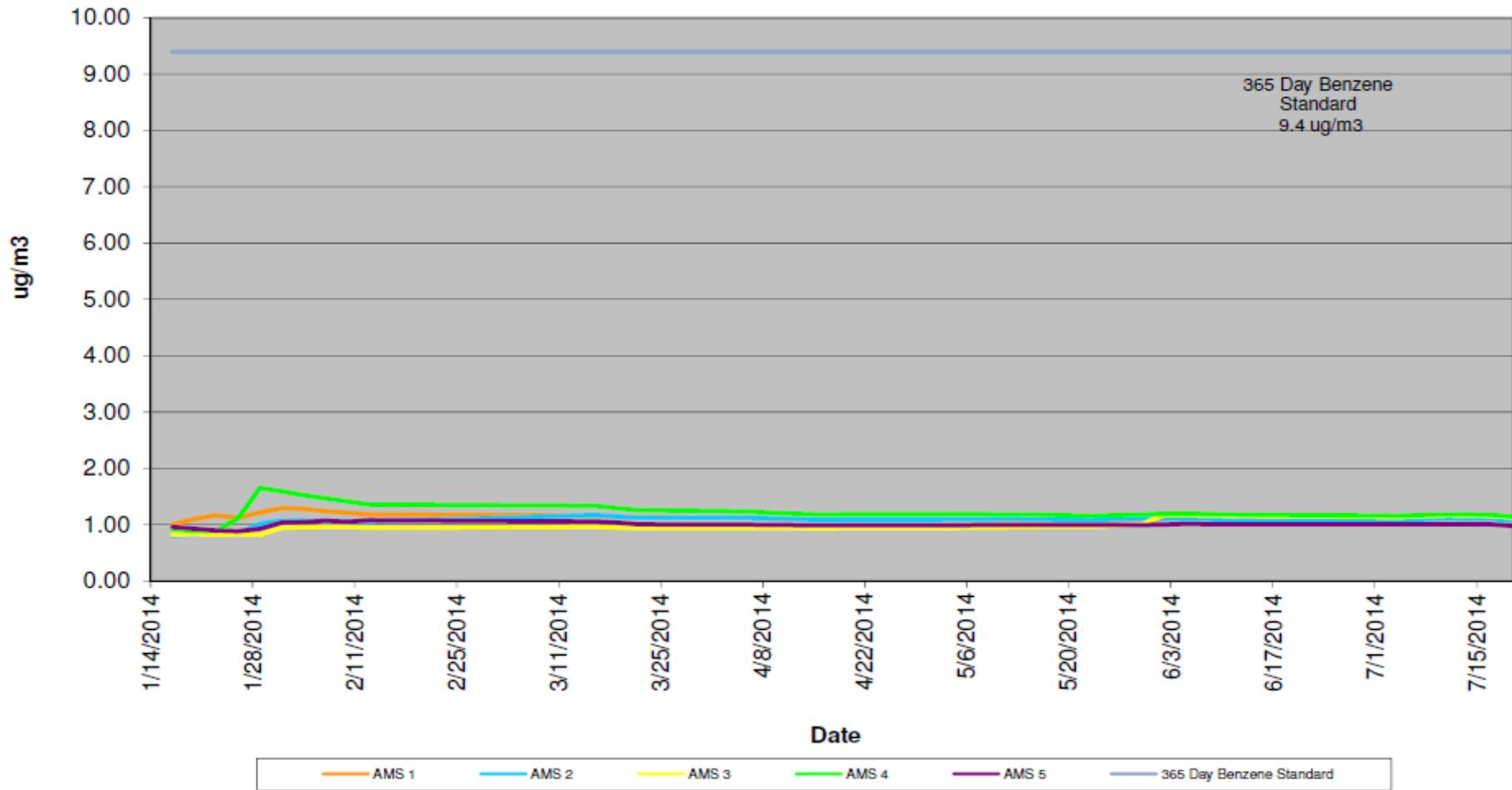
Dozer pushing material under power line to excavator for loading



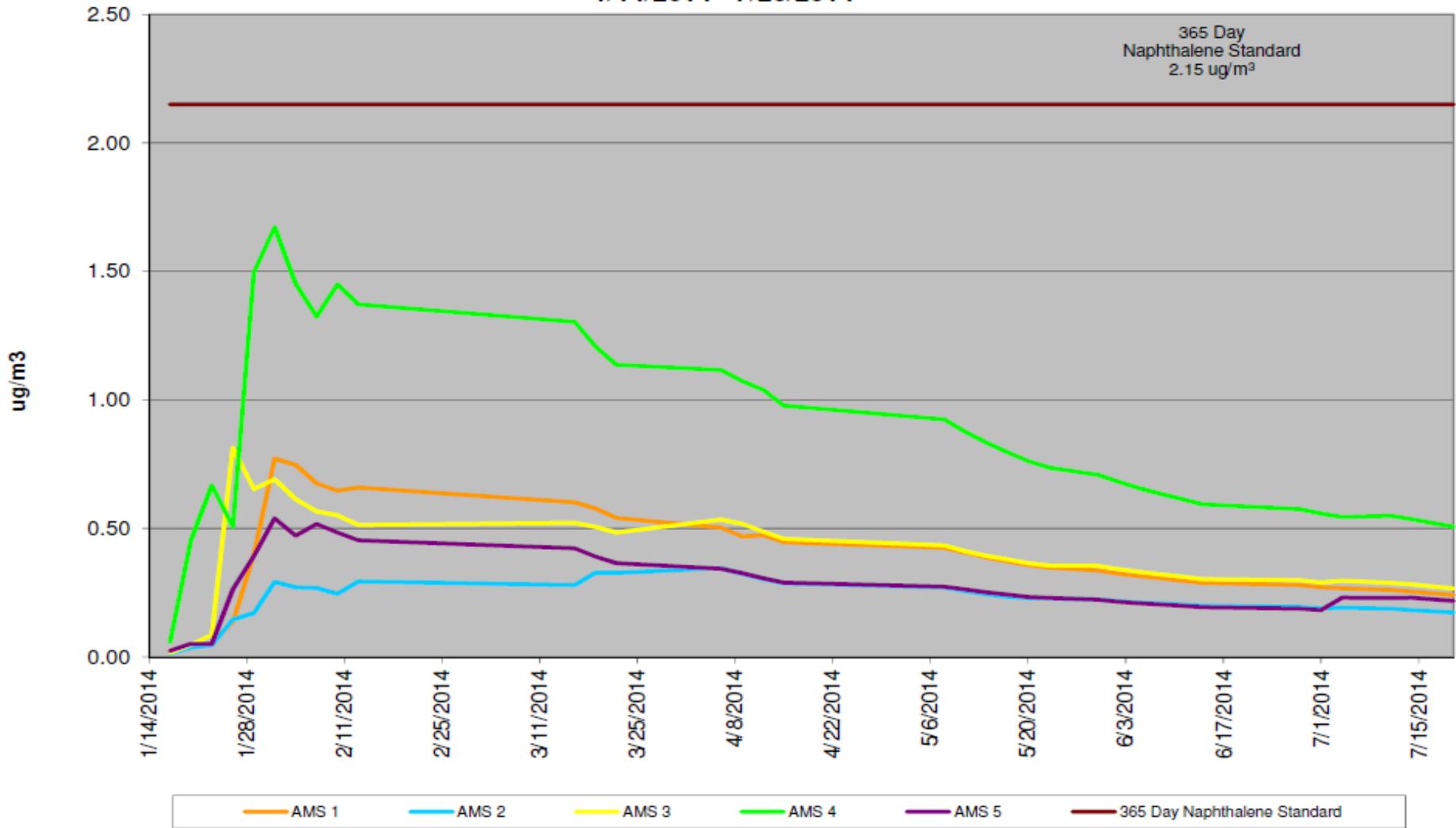
Looking South, Excavation of Phase #11.



Preliminary Benzene Running Averages LaSalle MGP Site 1/14/2014 - 7/20/2014



Preliminary Naphthalene Running Averages LaSalle MGP Site 1/14/2014 - 7/20/2014



Preliminary PM₁₀ Running Averages LaSalle MGP Site 1/14/2014 to 7/20/2014

