

**WEEKLY PROGRESS REPORT #8: 4/8/13 – 4/14/13****BAYER MATERIALSCIENCE LLC  
125 NEW SOUTH ROAD, HICKSVILLE, NEW YORK**

This weekly progress report summarizes work activities performed in connection with the remediation of Operable Unit 4 (OU4) at the above-referenced site during the week of April 8, 2013 and activities planned for the following week. The remedial activities are being performed by The Environmental Quality Company (EQ) and their subcontractors, on behalf of Bayer MaterialScience LLC (Bayer), with construction oversight provided by ARCADIS. The activities during the period specified above were as observed by Gregory McDermott of ARCADIS.

**A. COMPLETED WORK/WORK IN PROGRESS**

1. EQ excavated and stockpiled within the lined soil containment a total of approximately 759 cubic yards (CY) of “A” Group Excavation Area soil this week and approximately 1,423 CY of “A” Group soil to date. Excavation of the mound area began this week equating to a total of approximately 568 CY of mound soil direct-loaded and transported off site for disposal. Excavation material volume for “B” Group Areas remains unchanged. The progress of excavation activities through the end of the reporting period are shown on the attached figure. Estimated quantities of materials excavated and managed during the reporting period are presented in the attached table. Secured covers were in-place on all soil stockpiles when soil was not being actively added to or removed from the stockpiles.

2. EQ performed the following work related to the “A” Group Excavation Areas:

- Removed soil from Areas 1A, 4A, and 5A to approximately 1 foot below ground surface (bgs).
- Removed soil from Area 8A to approximately 4 feet bgs.

The soil excavated from these areas was stockpiled in the western-most lined material staging area.

- Removed soil from Areas 9A and 11A to approximately 4 feet bgs.
- Removed soil from Area 12A to approximately 2 feet bgs.

The soil excavated from these areas was stockpiled in the eastern-most lined material staging area.

3. EQ direct-loaded soil from “the mound area” on April 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> for offsite disposal at the Town of Brookhaven Landfill. A total of 34 truckloads were transported from the site (approximately 17 CY per truckload) to the Brookhaven Landfill.
4. EQ’s sampling subcontractor, Preferred Environmental Services (PES), continued collecting verification soil samples (20 total samples this week) from the completed “A” Group Excavation Areas for laboratory analysis. PES collected soil samples V-RD-1 through V-RD-3, V-RD-5 through V-RD-8, V-RD-15, V-RD-21, V-RD-22, V-RD-24 through V-RD-30, V-RD-46, V-RD-47, and V-RD-49.

5. PES continued to perform air monitoring and reporting in accordance with the project-specific Community Air Monitoring Plan (CAMP) presented in the Remedial Design. No volatile organic compounds (VOCs) or particulates were measured above the action levels. PES suspended air monitoring on April 12, 2013 due to precipitation.
6. EQ's surveying subcontractor, Angle of Attack Land Surveying (AALS), continued locating and marking proposed excavation limits and soil sampling locations and conducted additional pre-excavation survey for "A" Group Excavation Areas. AALS submitted a pre-excavation topographic survey to ARCADIS for eight "A" Group Excavation Areas (11A, 12A, 14A, 15A, 17A, 21A, 29A, and 30A). Post-excavation survey data has not yet been provided to ARCADIS.
7. EQ continued to provide various submittals, as required, for ARCADIS review.
8. No visitors were present onsite this week.

**B. PROPOSED SITE ACTIVITIES FOR THE WEEK OF 4/15/13**

1. Continue mobilization of personnel, equipment, and materials, as needed.
2. Continue excavation and staging of soil from the "A" Group Excavation Areas and perform confirmation soil sampling and analysis.
3. Continue direct loading of the mound area soil for offsite disposal.
4. Begin offsite disposal of stockpiled "A" Group soil.
5. Continue surveying to document pre-excavation and post-excavation elevations and verification soil sampling locations/elevations.
6. Continue implementation of the CAMP air monitoring and required reporting.

**C. WEEKLY SITE PHOTOS**



Completed Excavation Area 8A



Excavating Area 9A



Cleaning Waste Hauling Truck within Containment



Excavating Mound Area

**Attachment A**

Excavation Progress Table

**TABLE 1**  
**PROJECT EXCAVATION PROGRESS**

WEEK OF APRIL 8, 2013  
FINAL REMEDIAL ACTION - OPERABLE UNIT 4  
BAYER MATERIALSCIENCE LLC  
125 NEW SOUTH ROAD, HICKSVILLE, NEW YORK

Excavation Operation	Design Volume (CY)	Estimated Removal Volumes (Insitu CY)				Percent Completed
		Previous Totals	Current Week Totals	Total to Date	Remaining Volume	
"A" Group Excavation Area Removals						
Impacted Soil	7,140	664	759	1,423	5,717	20%
Additional Impacted Soil	NA	0	0	0	--	NA
Concrete	300	0	14	14	286	5%
Asphalt	NA	0	0	0	--	NA
"B" Group Excavation Area Removals						
Re-Use Soil	2,957	1,912	0	1,912	1,045	65%
Impacted Soil	NA	50	0	50	--	NA
Concrete	NA	20	0	20	--	NA
Asphalt	NA	70	0	70	--	NA
Other Areas						
Mound Area Soil	1,115	0	568	568	547	51%

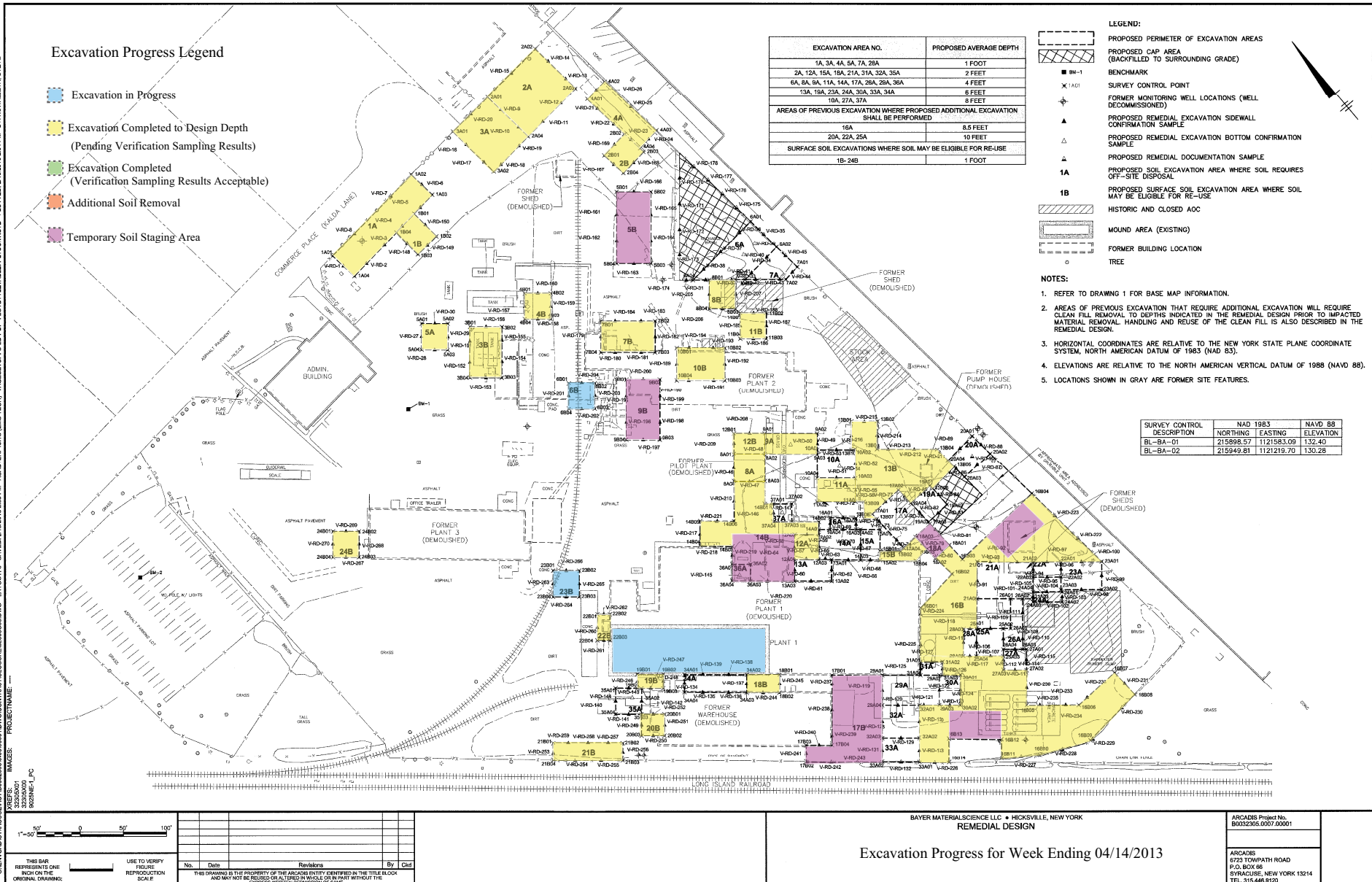
**Notes:**

- Excavation volumes are estimates based on field observations and measurements.
- "Additional Impacted Soil" for "A" Group Excavation Areas refers to additional soil removed for offsite transportation and disposal based on visual staining or odors and/or verification sampling results that require expansion of design excavation limits.
- "Impacted Soil" for "B" Group Excavation Areas refers to soil transported offsite for disposal based on visual staining or odors and/or post-excavation confirmation sampling results for each 500 cubic yard stockpile.
- Asphalt removed from "B" Group soil excavations will be placed in the lined soil staging area for offsite transportation and disposal with the "A" Group Excavation Area soils.
- CY = Insitu Cubic Yards.
- NA = Not Applicable.

**Attachment B**
















Excavation Progress Figure





EXCAVATION AREA NO.	PROPOSED AVERAGE DEPTH
1A, 3A, 4A, 5A, 7A, 28A	1 FOOT
2A, 12A, 15A, 18A, 21A, 31A, 32A, 35A	2 FEET
6A, 8A, 9A, 11A, 14A, 17A, 26A, 29A, 36A	4 FEET
13A, 18A, 23A, 24A, 30A, 33A, 34A	6 FEET
10A, 27A, 37A	8 FEET
AREAS OF PREVIOUS EXCAVATION WHERE PROPOSED ADDITIONAL EXCAVATION SHALL BE PERFORMED	
16A	8.5 FEET
20A, 22A, 25A	10 FEET
SURFACE SOIL EXCAVATIONS WHERE SOIL MAY BE ELIGIBLE FOR REUSE	
1B, 24B	1 FOOT

**LEGEND:**

- 
  -  PROPOSED PERIMETER OF EXCAVATION AREAS
  -  PROPOSED CAP AREA (BACKFILLED TO SURROUNDING GRADE)
  -  BENCHMARK
  -  SURVEY CONTROL POINT
  -  FORMER MONITORING WELL LOCATIONS (WELL DECOMMISSIONED)
  -  PROPOSED REMEDIAL EXCAVATION SIDEWALL CONFIRMATION SAMPLE
  -  PROPOSED REMEDIAL EXCAVATION BOTTOM CONFIRMATION SAMPLE
  -  PROPOSED REMEDIAL DOCUMENTATION SAMPLE
  -  1A PROPOSED SOIL EXCAVATION AREA WHERE SOIL REQUIRES OFF-SITE DISPOSAL
  -  1B PROPOSED SURFACE SOIL EXCAVATION AREA WHERE SOIL MAY BE ELIGIBLE FOR RE-USE
  -  HISTORIC AND CLOSED AOC
  -  MOUND AREA (EXISTING)
  -  FORMER BUILDING LOCATION
  -  TREE

NOTES:

1. REFER TO DRAWING 1 FOR BASE MAP INFORMATION.
2. AREAS OF PREVIOUS EXCAVATION THAT REQUIRE ADDITIONAL EXCAVATION WILL REQUIRE CLEAN FILL REMOVAL TO DEPTHS INDICATED IN THE REMEDIAL DESIGN PRIOR TO IMPACTED MATERIAL REMOVAL. HANDLING AND REUSE OF THE CLEAN FILL IS ALSO DESCRIBED IN THE REMEDIAL DESIGN.
3. HORIZONTAL COORDINATES ARE RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).
4. ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
5. LOCATIONS SHOWN IN GRAY ARE FORMER SITE FEATURES.

SURVEY CONTROL DESCRIPTION	NAD 1983		NAVD 88
	NORTHING	EASTING	ELEVATION
BL-BA-01	215898.57	1121583.09	132.40
BL-BA-02	215949.81	1121219.70	130.28

BAYER MATERIALSCIENCE LLC • HICKSVILLE, NEW YORK  
REMEDIAL DESIGN

Excavation Progress for Week Ending 04/14/2013

ARCADIS Project No. B0032305.0007.00001
--

ARCADIS  
6723 TOWPATH ROAD  
P.O. BOX 66  
SYRACUSE, NEW YORK 13214  
TEL. 315.446.8120