

WEEKLY PROGRESS REPORT #15: 5/27/13 – 6/2/13**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 May 27, 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 a total of approximately 377 in-situ cubic yards (CY) of “A” Group Excavation Area soil this week (approximately 6,557 CY to date). The excavated soil was either stockpiled within the lined material staging area or direct-loaded for off-site disposal. EQ removed a total of approximately 80 CY of mixed soil and concrete this week from the “mound area”. The excavation material volume for “B” Group Areas” remains unchanged. The progress of excavation activities through the end of the reporting period is 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:
 - Completed excavation of soil from Area 21A to approximately 2 feet below ground surface (bgs) and stockpiled the soil from this area in the eastern-most lined material staging area.
 - Completed excavation of soil from Area 26A to approximately 4 feet bgs. The soil from this area was direct loaded for offsite disposal to the Town of Brookhaven Landfill.
3. During excavation of Area 21A, approximately 30 CY of a previously unknown “rubber-like” material intermixed with soil, similar to the material encountered in 27A, was observed, excavated, segregated from other excavated soil and stockpiled for waste characterization and off-site disposal. This material exhibited no odor and headspace PID reading of 0.0 ppm. Upon completion of excavating area 21A to the design limits, this material was not observed at the extents of 21A. Additional excavation work to address this remaining material in Area 27A, which includes delineation and removal, are pending.
4. EQ loaded stockpile soil from the material staging area and direct loaded pre-characterized “A” Group excavations, as indicated above, for offsite disposal as a non-hazardous waste at the Town of Brookhaven Landfill. A total of 97 tri-axle truckloads (approximately 17 CY per truckload) were transported from the site to the Brookhaven Landfill for disposal.

5. EQ commenced demolition and removal to excavation limits of concrete structures within excavation areas. This material was stockpiled, sampled for waste characterization and will be scheduled for off-site disposal.
6. EQ's sampling subcontractor, Preferred Environmental Services (PES), continued collecting verification soil samples (10 total samples this week) from the completed "A" Group Excavation Areas for laboratory analysis. The soil samples collected include V-RD-106 through V-RD-112, V-RD-114, and V-RD-145.
7. 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.
8. EQ's surveying subcontractor, Angle of Attack Land Surveying (AALS), continued locating and marking proposed excavation limits and soil sampling locations and conducted post-excavation survey for "A" Group Excavation Areas.
9. EQ continued to provide various submittals, as required, for ARCADIS review.
10. Katy Murphy and Tatiana Kloppes of the New York State Department of Environmental Conservation visited the site on May 30, 2013. Al Nesheiwat a consultant for Simone/New South Road Realty LLC and Joel Rogers of Impact Environmental, representing Simone/New South Road Realty, visited the site on May 30, 2013.

B. PROPOSED SITE ACTIVITIES FOR THE WEEK OF 6/3/13

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 loading and offsite disposal of stockpiled "A" Group soil and direct loading and offsite disposal of in-situ characterized soil from "A" Group excavations noted previously.
4. Continue loading and offsite disposal of stockpiled "B" Group soil that will not be reused onsite as subsurface fill, as proposed in the Remedial Design Modification.
5. Continue demolition of concrete structures in excavation areas.
6. Continue surveying to document pre-excavation and post-excavation elevations and verification soil sampling locations/elevations.
7. Continue implementation of the CAMP air monitoring and required reporting.

C. WEEKLY SITE PHOTOS



Excavation of Area 21A



Direct Loading Area 26 A for Offsite Disposal to Town of Brookhaven Landfill



Demolition of Concrete Structures in the "Mound Area"



Completed Excavation 26A

TABLE 1
PROJECT EXCAVATION PROGRESS

WEEK OF MAY 27, 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 (CY)				Percent Completed
		Previous Totals	Current Week Totals	Total to Date	Remaining Volume	
"A" Group Excavation Area Removals						
Impacted Soil	7,140	6,180	377	6,557	583	92%
Additional Impacted Soil	NA	0	0	0	--	NA
Concrete	300	34	0	34	266	11%
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	53	0	53	--	NA
Concrete	NA	20	0	20	--	NA
Asphalt	NA	70	0	70	--	NA
Other Areas						
Mound Area Soil and Concrete	1,115	993	80	1,073	42	96%

Notes:

1. Excavation volumes are estimates based on field observations and measurements.
2. "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.
3. "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.
4. Asphalt removed from "B" Group soil excavations will be placed in the lined soil staging area for offsite transportation and disposal with the "A" Excavation Area soils.
5. CY = Cubic Yards.
6. NA = Not Applicable.

CITY: SYRACUSE, NY DIV/GROUP: ENV/CADD DB: B. Bassett, P. Lister, A. Schilling, K. Sartori LD: K. Sartori PIC: T. Ratchford PM: T.M. J. Brüssel LYRON="OFF-REF"
G:\ENV\CADD\SYRACUSE\ACT\B0032305\000001\DWG\CONTRACT\CLOSURE\3230503.DWG LAYOUT: 3 SAVED: 2/13/2013 2:03 PM ACADVER: 18.1S (LMS TECH) PAGES: 18 OF 18
XREFS: 32305X01 32305X00 9025NE-1_PC
IMAGES: PROJECTNAME: 1

Excavation Progress Legend

- Excavation in Progress
- Excavation Completed to Design Depth
(Pending Verification Sampling Results)
- Excavation Completed
(Verification Sampling Results Acceptable and Final Limits Verified)
- Additional Soil Removal
- Temporary Soil Staging Area

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, 19A, 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 RE-USE	
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
 - PROPOSED SOIL EXCAVATION AREA WHERE SOIL REQUIRES OFF-SITE DISPOSAL
 - 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:

- REFER TO DRAWING 1 FOR BASE MAP INFORMATION.
- 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.
- HORIZONTAL COORDINATES ARE RELATIVE TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983 (NAD 83).
- ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- LOCATIONS SHOWN IN GRAY ARE FORMER SITE FEATURES.

SURVEY CONTROL DESCRIPTION	NAD 1983 NORTHING	NAD 1983 EASTING	NAVD 88 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 Update for Week Ending 06/02/2013

ARCADIS Project No.
B0032305.0007.00001

ARCADIS
6723 TOWPATH ROAD
P.O. BOX 66
SYRACUSE, NEW YORK 13214
TEL. 315.446.9120

50' 0 50' 100'
1"=50'

THIS BAR
REPRESENTS ONE
INCH ON THE
ORIGINAL DRAWING:

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REPRODUCTION
SCALE

No.	Date	Revisions	By	Ckd
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