



ARCADIS of New York, Inc.  
6723 Towpath Road  
P O Box 66  
Syracuse  
New York 13214-0066  
Tel 315 446 9120  
Fax 315 449 4111

**MEMO**

To:

Steven Scharf, P.E., NYSDEC  
Katy Murphy, NYSDEC  
Renata Ockerby, NYSDOH  
Julia Schneider, Town of Oyster Bay  
Bob Foster, Bayer  
David Schnelzer, Bayer  
Ramon Simon, Bayer

John Brussel, ARCADIS  
David Kingsley, ARCADIS  
Gregory McDermott, ARCADIS  
Dave Cirolì, EQ  
John Curran, EQ  
David Kahn, Preferred Env.

From:

Andrew Enigk, ARCADIS

Date:

April 16, 2013

ARCADIS Project No.:

B0032305.0009

Subject:

Bayer MaterialScience LLC – 125 New South Road, Hicksville, New York  
Weekly Progress Meeting Summary – April 10, 2013

---

This memorandum summarizes items discussed during the April 10, 2013 weekly progress meeting for the Operable Unit 4 (OU4) remedial activities being performed at the Bayer MaterialScience LLC (Bayer) site located at 125 New South Road in Hicksville, New York (the Site). The remedial activities are being implemented by Bayer's remedial contractor (EQ) with onsite construction/engineering oversight provided by ARCADIS.

**ATTENDEES**

The following personnel attended the meeting:

- Steve Scharf – NYSDEC (call-in)
- Katy Murphy – NYSDEC (call-in)
- Renata Ockerby – NYSDOH (call-in)
- Julia Schneider – Town of Oyster Bay (call-in)
- Bob Foster – Bayer (call-in)
- Ramon Simon – Bayer (call-in)
- John Brussel – ARCADIS (call-in)
- David Kingsley – ARCADIS (call-in)
- Andrew Enigk – ARCADIS (call-in)
- Greg McDermott – ARCADIS
- David Cirolì – EQ (call-in)
- John Curran – EQ

- Dave Kahn – Preferred Environmental Services

The meeting sign-in sheet is included as Attachment A.

### **HEALTH AND SAFETY MOMENT**

- David Kingsley shared an incident where an asphalt milling machine struck a gas line in a roadway approximately six inches below ground surface. The incident caused an explosion, but no one was injured. Dave stressed the importance of underground utility mark-outs and multiple lines of evidence in clearing utilities.

### **SAFETY/SAFE WORK PRACTICES**

- EQ indicated that it held daily tailgate meetings and all work has progressed safely with no incidents.
- EQ indicated that the recent warm temperature has caused an increase in bees at the site. David Kahn of Preferred Environmental Services (PES) indicated that he has an allergy to bees and keeps an EpiPen<sup>®</sup> onsite in case he were stung. EQ notified the onsite project team about David's bee allergy and informed them of the location of the EpiPen<sup>®</sup>.

### **AIR MONITORING**

- PES has been performing community air monitoring during the project work, and no volatile organic compounds (VOCs) or particulates have been measured above the action levels in the Community Air Monitoring Plan (CAMP) (i.e., 5 ppm above background for VOCs and 100 micrograms per cubic meter initial action level above background for particulates).
- Community air monitoring results for perimeter air monitoring performed for the week of April 1, 2013 were sent to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) on April 8, 2013.
- PES indicated that the lack of precipitation has caused areas of the site to become dry. EQ has been applying water from a "water buffalo" trailer behind a pick-up truck to suppress dust.

### **REVIEW/APPROVAL OF PRIOR MEETING MINUTES**

There were no comments provided on the weekly construction meetings for the meeting held on April 3, 2013.

## **REVIEW OF WORK PROGRESS**

- EQ excavated and stockpiled a total of approximately 454 cubic yards (CY) of “B” Group Excavation Area soil this week and approximately 1,912 CY of “B” Group soil to date. EQ also excavated and stockpiled a total of approximately 664 CY of “A” Group Excavation Area soil this week and to date.
- EQ performed the following work related to the “B” Group Excavation Areas:
  - Removed soil from Areas 12B, 13B, and 15B to approximately 1 foot below ground surface (bgs) and stockpiled the soil within the limits of the unexcavated southern half Area 14B.
  - Started removing soil from the northern half of Area 14B to approximately 1 foot bgs and stockpiling the soil within the limits of the unexcavated, southern half of Area 14B.
  - Removed soil from Areas 18B, 19B, 20B, 21B, 22B, and 24B to approximately 1 foot bgs and started removing soil from Area 23B to approximately 1 foot bgs. Soil from these areas was stockpiled within the limits of unexcavated Area 17B.
- EQ performed the following work related to the “A” Group Excavation Areas:
  - Started removing soil from Area 1A to approximately 1 foot bgs.
  - Removed soil from Area 2A to approximately 2 feet bgs.
  - Removed soil from Area 3A to approximately 1 foot.

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

- PES continued collecting verification soil samples (34 total samples this week) from the completed “B” Group Excavation Areas for laboratory analysis. PES collected soil samples V-RD-208 through V-RD-218, V-RD-221, V-RD-222, V-RD-245 through V-RD-262, and V-RD-267 through V-RD-270.
- PES also began collecting verification soil samples (11 total samples this week) from the completed “A” Group Excavation Areas for laboratory analysis. PES collected soil samples V-RD-9 through V-RD-14, and V-RD-16 through V-RD-20.
- PES collected composite soil samples from approximate 500 CY stockpiles of “B” Group Excavation Soil for laboratory analysis to assess potential reuse onsite as subsurface fill (below a minimum of 1 foot of imported clean soil). PES collected the following samples:

- A third sample (Sample ID: Bayer-PRS-SP-3) on April 3, 2013 from “B” Group soils in the northern stockpile consisting of soil from Area 16B.
- A fourth sample (Sample ID: Bayer-PRS-SP-4) on April 4, 2013 from “B” Group soils staged within the limits of Area 9B, which consisted of soil from Areas 9B and 10B.
- A fifth sample (Sample ID: Bayer-PRS-SP-5) on April 4, 2013 from “B” Group soils staged within the limits of Area 14B, which consisted of soil from Areas 12B, 13B, 14B, and 15B.
- A sixth sample (Sample ID: Bayer-PRS-SP-6) on April 4, 2013 from “B” Group soils staged within the limits of Area 17B, which consisted of soil from Areas 17B, 18B, 19B, 20B, 21B, 22B, 23B, and 24B.
- EQ’s surveying subcontractor, Angle of Attack Land Surveying (AALS), continued locating and marking proposed excavation limits and soil sampling locations, conducted additional pre-excavation survey for “A” and “B” Group Excavation Areas, and continued post-excavation surveying of the completed “B” Group Excavation Areas. AALS submitted a pre-excavation topographic survey to ARCADIS for seven “B” Group Excavation Areas (18B through 24B) and nine “A” Group Excavation Areas (1A through 9A).
- EQ continued to provide various submittals, as required, for ARCADIS review.

## **PROPOSED WORK ACTIVITIES**

EQ’s two-week “look ahead” schedule is included as Attachment B and summarized below:

- Continue mobilization of personnel, equipment, and materials, as needed.
- Continue excavation and staging of soil from the “A” Group Excavation Areas and perform verification soil sampling and analysis.
- Continue direct loading soil from the “mound area” for offsite transportation and disposal at Brookhaven Landfill located in Brookhaven, NY.
- Continue site survey activities.
- Continue implementation of the CAMP air monitoring and required reporting.
- Based on post-excavation, confirmatory soil sample results for Area 8B, two sidewalls will be expanded, with soil excavated and staged and additional sidewall samples collected and analyzed.

- ARCADIS communicated that soil sample results are expected to be available in over the next several days and will be reviewed and discussed on future calls.

## **OPEN DISCUSSION**

- The NYSDOH inquired if any residents had visited the site with questions, and EQ replied that no residents have visited the site.
- ARCADIS discussed that prior to construction of the two lined material staging areas and decontamination area in and around the former Plant 3 footprint, EQ had collected soil samples from these areas for laboratory analysis for polychlorinated biphenyls (PCBs), semi-volatile organic compounds (SVOCs), arsenic, and cadmium. Although not proposed in the RD, the samples were collected to document baseline conditions following the removal of up to approximately 8-inches of soil from these areas. That soil removal was performed to provide a gentle slope within the staging/decontamination areas (for drainage reasons) and to generate material to form the bermed sidewalls of these areas. ARCADIS indicated that PCBs were identified in the soil samples at concentrations between 5.3 ppm and 33 parts per million (ppm) (i.e., greater than the 1 ppm and/or 10 ppm surface and subsurface soil cleanup levels) and SVOCs and metals results were less than the project-specific soil cleanup levels. Based on these findings, ARCADIS is preparing a work plan to further delineate the extent of PCBs around the former Plant 3 footprint and various other locations onsite.
- The NYSDOH inquired if the Aroclors from the staging area samples were similar to those found in previous investigations at the site. ARCADIS indicated that the staging area samples only contained Aroclor 1248, which was the Aroclor most commonly found in the soil previously removed from within and around the Pilot Plant area. ARCADIS added that some of the soil from the Pilot Plant and surrounding areas also contained Aroclors 1254 and 1260, and soil previously removed from the former transformer area (AOC 39) mostly contained Aroclor 1260.
- The NYSDEC asked if Bayer plans to demolish the Administration Building. Bayer indicated that it was still receiving costs for characterization of the building and demolition, and a final determination had not been made yet. Bayer is also discussing the building demolition with the prospective buyer of the site because the existing sale agreement indicates that the building is to be conveyed to the new owner. Bayer indicated that building demolition would require the contract to be reopened (modified) and the prospective buyer prefers not to amend the current contract. The NYSDEC emphasized that a vapor intrusion (VI) investigation would need to be performed in the building prior to future use and that the NYSDEC would prefer that the building be demolished during the final remedial action. The NYSDEC asked if Bayer is planning on performing a VI investigation. Bayer indicated that it is not planning a VI Investigation because the building is condemned and people are not allowed to enter

the building at this point. Bayer indicated that it will consult with its senior counsel and the prospective buyer of the property to determine a path forward.

Upon receipt of this memorandum, please notify Mr. Andrew Enigk of ARCADIS at 315.671.9548 within 5 days if you believe that any portion of this summary does not accurately reflect issues discussed/resolved during the April 10, 2013 meeting, or if additional items should be recorded in this summary. If modifications are made, a follow-up memorandum will be distributed.

**Attachment A**

Sign-In Sheet

**WEEKLY MEETING SIGN-IN**  
**REMEDIAL DESIGN IMPLEMENTATION**  
**BAYER MATERIAL SCIENCE, LLC**  
**125 NEW SOUTH ROAD**  
**HICKSVILLE, NEW YORK**

DATE: 4/10/13

[illegible]

**Attachment B**

Two-Week Look-Ahead

EQ NORTHEAST																											
Project:		Bayer Site OU-4 Remedial Action Contract # H89999																									
Date:		April 8, 2013																									
Superintendent:		John C																									
PM:		Dave C																									
2 Week Look Ahead Schedule																											
		4/8 - 4/12								4/15 - 4/19								4/22 -4/26									
Item	Description	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	Comments				
	Task Description		8	9	10	11	12			15	16	17	18	19			22	23	24	25	26						
	On Going Activities																										
	- Utility Markout / 30 Day Up-Grade																										
	- Permanent Power & Telecom																						LIPA / Verizon	Complete			
	- Topo Survey & Stake AOC Grids																						Angle of Attack				
	- Soil Sampling & Characterization																						Preferred Env.				
	- Dust Control (As Needed)																										
	Utility (Water) Cut & Cap @ Street																						Lines shut @ Str.	Hicksville Water			
	Gas line Cut/Cap @ Commerce Place																						Shut @ # 55	NG TBD			
	CAMP / Air Monitoring																						Preferred Env.				
	Excavation																										
	- Survey/Stake Area B Exc. ( 1')																						Angle of Attack	Recapture Base El.			
	- Exc./Stockpile Grid B Soils (3000 +/-)																										
	- Survey/Stake Area A Exc. (1-2')																										
	- Exc./Stockpile Area A Soils (1,500+/-)																										
	- Survey/Stake Area A Exc. (3-10')																										
	- Exc./Stockpile Area A Soils (5,600+/-)																										
	- Existing Mound Soil (1,200 +/-)																										
	Documentation & Waste Soil Sampling																						Preferred Env.				
	Waste Transport & Disposal																						Brookhaven LF				
	- Non Haz. Trucking																										
	Mound Soils (Load Out 1,700 tons +/-)																						Double Nickel				
	Grid B Soils (Contaminated)																										
	Grid A Soils (Contaminated)																										
	- Non Haz. Concrete Disposal																										
	- Haz. Rail to EQ																										
	Backfilling Operations																										
	- Re-Use soils ( 3,000 +/-)																										
	- Imported Fill ( 4,350 +/-)																						Backfill Exc.	Pending Approval			
	- Topsoil (2,500 +/-)																										
	- Hydroseed (5 acres)																										
	Demobilization																										
Alternate Work:																											
Needed Subcontractors:																											
Issues / Resolutions:																											