



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 23, 2013

ARCADIS Project No.:

B0032305.0009

Subject:

Bayer MaterialScience LLC – 125 New South Road, Hicksville, New York
Weekly Progress Meeting Summary – April 17, 2013

This memorandum summarizes items discussed during the April 17, 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
- 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
- John Curran – EQ
- Dave Kahn – Preferred Environmental Services

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

HEALTH AND SAFETY MOMENT

- David Kingsley indicated that while onsite with Greg McDermott earlier in the week, they observed several snakes through an opening into one of the leachate pits. David noted that the snakes did not appear to be venomous and he informed the group to be aware of biological hazards (e.g., snakes, ticks, stinging and biting insects, poisonous plants) at the site with warmer temperatures expected.

SAFETY/SAFE WORK PRACTICES

- EQ indicated that it held daily tailgate meetings and all work has progressed safely with no incidents.

AIR MONITORING

- EQ's air monitoring and sampling subcontractor, Preferred Environmental Services (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 8, 2013 were sent to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) on April 15, 2013.
- 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 meeting minutes for the weekly construction coordination meeting held on April 10, 2013.

REVIEW OF WORK PROGRESS

- EQ excavated a total of approximately 759 cubic yards (CY) of "A" Group Excavation Area soil this week and stockpiled it within the lined soil containment. Approximately 1,423 CY of "A" Group soil has been excavated to date. Excavation material volume for "B" Group Areas remains unchanged. Secured covers were in-place on all soil stockpiles when soil was not being actively added to or removed from the stockpiles.

- 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) and removed soil from Area 8A to approximately 4 feet bgs. The soil excavated from these areas was stockpiled in the western-most portion of the lined material staging/containment area.
 - Removed soil from Areas 9A and 11A to approximately 4 feet bgs and 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/containment area.
- EQ direct-loaded soil from “the mound area” on April 9th, 10th, and 11th 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. “The mound area” soil load-out was completed except for an approximate 50 ton portion that has a Canada Goose nest with eggs. EQ indicated it would complete “the mound area” load-out after the goose eggs hatch and the geese move out of the area.
- 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.
- 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.
- 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.
- 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.
- Begin offsite disposal of stockpiled “A” Group soil.
- Continue surveying to document pre-excavation and post-excavation elevations and verification soil sampling locations/elevations.
- Continue implementation of the CAMP air monitoring and required reporting.

OPEN DISCUSSION

- ARCADIS provided a brief summary of the verification soil sampling results for the “A” and “B” Group Excavation Areas and indicated the following:
 - PCBs were identified in soil at various sampling locations at concentrations exceeding the 1 part per million (ppm) surface soil cleanup level.
 - PCBs were identified in confirmation soil sampling location V-RD-234 for Group “B” Excavation Area 16B at a concentration of 100 ppm, which exceeds the 50 ppm disposal threshold for a Toxic Substances Control Act- (TSCA-) regulated PCB waste and New York State hazardous waste.
 - Arsenic was found in certain soil sampling locations in the northwestern portion of the site at concentrations exceeding the 16 ppm site cleanup level.

ARCADIS indicated that a work plan is being prepared in response to the findings above to further delineate the extent of soil at the site containing PCBs at concentrations exceeding the soil cleanup levels presented in the Remedial Design. The work plan will be submitted to the NYSDEC for review and approval.

- ARCADIS also summarized the results for the sampling performed to assess the potential re-use of stockpiled Group “B” Excavation Area soil. ARCADIS anticipates being able to reuse soil within several of the stockpiles as subsurface backfill (below a minimum of one foot of clean imported fill). However, Bayer may wish to transport the soil from certain stockpiles for offsite disposal. ARCADIS will discuss the results with Bayer to make a final decision on the soil handling.

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 17, 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: 4/17/2013

[illegible]

Attachment B

Two-Week Look-Ahead

EQ NORTHEAST																											
Project:		Bayer Site OU-4 Remedial Action Contract # H89999																									
Date:		April 15, 2013																									
Superintendent:		John C																									
PM:		Dave C																									
2 Week Look Ahead Schedule																											
		4/15 - 4/19								4/22 - 4/26								4/29 -5/3									
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	15	16	17	18	19			22	23	24	25	26			29	30	1	2	3							
	On Going Activities																										
	- 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 +/-)																										
	Recapture Excavation Bases																										
	Documentation & Waste Soil Sampling																							Preferred Env.			
	Pre Characterization Test-Pits																										
	- Grids (A 13-37 in 500 yd units +/-)																										
	Waste Transport & Disposal																							Brookhaven LF			
	- Non Haz. Trucking																										
	Mound Soils (Load Out Complete)																							Double Nickel			
	Grid B Soils (Contaminated)																										
	Grid A Soils (Staging Pad WC-3,4,5,6)																										
	- Direct loading of Grid A soil material																										
	- 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:																											