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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 9, 2013

ARCADIS Project No.:

B0032305.0009

Subject:

Bayer MaterialScience LLC – 125 New South Road, Hicksville, New York
Weekly Progress Meeting Summary – April 3, 2013

This memorandum summarizes items discussed during the April 3, 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)
- Carl Fritz – 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)
- David Schnelzer – Bayer (call-in)
- John Brussel – ARCADIS (call-in)
- David Kingsley – ARCADIS (call-in)
- Andrew Enigk – ARCADIS (call-in)
- Greg McDermott – ARCADIS
- David Cirolì – EQ

- John Curran – EQ
- Dave Kahn – Preferred Environmental Services

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

HEALTH AND SAFETY MOMENT

- David Kingsley discussed pedestrian safety in relation to cycling. A recent Safety Share provided to Dave indicated that there has been an upward trend of motor vehicle-cyclist collisions since 2010 attributed to the potential increase in cyclists using media devices (e.g., smart phones, iPods) with headphones/ear buds, increased use of hybrid electric/gas-powered cars (difficult to hear approaching), and driver distractions with smart phones and GPS units. Suggested solutions are to cycle using only one ear bud, establish eye contact with drivers of vehicles, be aware of surroundings, consider renting efficient gas-powered cars rather than hybrid cars, and refrain from texting and operating GPS units during driving.

SAFETY/SAFE WORK PRACTICES

- EQ indicated that it held daily tailgate meetings and all work has progressed safely with no incidents.
- EQ indicated that they encountered a leachate pit in Group “B” Excavation Area 14B that has an internal depth of approximately 8-10 feet. EQ notified the onsite personnel of the pits, secured the covers on the discovered pit manholes, and marked the pits for the onsite workers.

AIR MONITORING

- 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 March 25, 2013 were sent to the New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) on April 1, 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 March 27, 2013.

REVIEW OF WORK PROGRESS

- EQ excavated and stockpiled a total of approximately 935 cubic yards (CY) of “B” Group Excavation Area soil this week and approximately 1,385 CY of “B” Group soil to date. 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 “B” Group Excavation Areas:
 - Removed soil from Area 7B to approximately 1 foot below ground surface (bgs) and stockpiled the soil within the limits of unexcavated Area 5B.
 - Removed soil from Area 16B to approximately 1 foot bgs and stockpiled the soil within the limits of excavated Area 16B in two separate piles. Approximately 50 CY of soil from Area 16B exhibited visual staining and odors and was stockpiled on 10 mil polyethylene sheeting in unexcavated “A” Group Excavation Area 18A for offsite transportation and disposal.
 - Started removing soil from Areas 12B, 13B, and 15B to approximately 1 foot bgs and stockpiling the soil within the limits of unexcavated Area 14B.
- EQ’s sampling subcontractor, PES, continued collecting verification soil samples (21 total samples this week) from the completed “B” Group Excavation Areas for laboratory analysis.
- 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 one sample (Sample ID: Bayer-PRS-SP-1) on March 25, 2013 from “B” Group soils staged within the limits of Area 5B, which consists of soil from Areas 1B, 2B, 3B, 4B, 5B, 6B, 7B, 8B, and 11B. PES collected the second sample (Sample ID: Bayer-PRS-SP-2) on March 27, 2013 from “B” Group soils staged in the southern stockpile within the limits of Excavation 16B.
- EQ’s surveying subcontractor (Angle of Attack Land Surveying) continued locating and marking proposed excavation limits and submitted pre-excavation topographic surveys to ARCADIS for review. Pre-excavation surveys of the “B” Group excavation areas were completed, and pre-excavation survey of selected “A” Group excavation areas was performed (1A through 4A).

- EQ continued to provide various submittals, as required, for ARCADIS review.
- EQ continued to pursue the final power connections for the project trailer power drop. The final connections were completed by EQ's electrical subcontractor (Ocean Electric) on April 1, 2013 and the generator was demobilized.

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.
- Complete excavation and staging of soil from the "B" Group Excavation Areas and perform verification soil sampling and analysis.
- Start excavation and staging of soil from the "A" Group Excavation Areas and perform verification soil sampling and analysis.
- Start 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.

OPEN DISCUSSION

- ARCADIS asked the NYSDEC if it had a chance to review the submittals for the sources and materials proposed by EQ for imported clean fill. The NYSDEC indicated that it would contact ARCADIS to discuss the fill sources following the meeting and will follow-up with a response to the project team. The response was later provided in an April 4, 2013 letter from the NYSDEC.
- The NYSDEC asked if ARCADIS had received results back for the 500 CY stockpiles of re-use soil and EQ indicated that the laboratory had not yet provided the results.
- The NYSDEC asked the group if anyone knew who owned/operated New York Sand & Stone, and EQ responded that it did not know, but could find out.
- The NYSDEC inquired if the leachate pits and septic tanks discovered in Group "B" Excavation Area 14B were a new discovery or if the project team knew about the existence of these structures.

ARCADIS indicated that the pits and tanks were identified during the RCRA Facility Assessment (RFA) and RCRA Facility Investigation (RFI) based on available historic facility drawings/mapping. ARCADIS commented that electromagnetic and ground-penetrating radar (GPR) survey activities were performed during the RFI to confirm the locations of the structures and piping layout, and then soil borings were drilled immediately adjacent to the structures and samples were collected from below the mapped invert elevations of the structures. The samples were submitted for laboratory analysis for constituents of interest, and the laboratory analytical results were presented in the RFI Report. Based on the results, the NYSDEC-approved RFI Report called for no further action for these structures, and the RD calls for these structures (where encountered) to be backfilled.

- The NYSDEC asked if Bayer planned 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.
- The NYSDEC asked if the project was on schedule and EQ indicated that it was and that it anticipates completing work activities by the end of May 2013. ARCADIS commented that EQ mobilized an additional excavator to facilitate the work.

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 3, 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: 4/3/2013

[illegible]

Attachment B

Two-Week Look-Ahead

EQ NORTHEAST																											
Project:		Bayer Site OU-4 Remedial Action Contract # H89999																									
Date:		April 1, 2013																									
Superintendent:		John C																									
PM:		Dave C																									
2 Week Look Ahead Schedule																											
		4/1 - 4/5								4/8 - 4/12								4/15 -4/19									
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		1	2	3	4	5			8	9	10	11	12			15	16	17	18	19						
	On Going Activities																										
	- Utility Markout / 30 Day Up-Grade																										
	- Permanent Power & Telecom																							LIPA / Verizon			
	- 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.			
	Gas line Cut/Cap @ Commerce Place																							Shut @ # 55			
	CAMP / Air Monitoring																							Preferred Env.			
	Excavation																										
	- Survey/Stake Area B Exc. (1')																							Angle of Attack			
	- Exc./Stockpile Grid B Soils (3000 +/-)																										
	- Survey/Stake Area A Exc. (1-2')																							Recapture Base El.			
	- 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																							Pending Analytical			
	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.			
	- Topsoil (2,500 +/-)																							Pending Approval			
	- Hydroseed (5 acres)																										
	Demobilization																										
Alternate Work:																											
Needed Subcontractors:																											
Issues / Resolutions:																											