

MEMO

To:

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From:

Andrew Eniak, ARCADIS

Date:

April 14, 2015

ARCADIS Project No.: **B0032305.2013**

Subject:

Bayer MaterialScience LLC 125 New South Road, Hicksville, New York Phase 2 Operable Unit 4 Remedial Activities April 8, 2015 Weekly Construction Coordination Meeting Summary Progress Report #22 (April 6, 2015 – April 10, 2015)

This memorandum summarizes items discussed during the April 8, 2015 weekly construction coordination meeting and summarizes work performed from April 6, 2015 through April 10, 2015 in connection with the Phase 2 Operable Unit 4 (OU4) remedial activities at the above-referenced Site. The remedial activities are being implemented by Bayer MaterialScience LLC's (Bayer's) remedial contractor (Posillico) with onsite construction/engineering oversight provided by ARCADIS. The work activities during the reporting period were as observed by Gregory McDermott and Charles Atanasio of ACRADIS.

MEETING ATTENDEES

The following personnel attended the weekly construction coordination meeting:

- Steven Scharf NYSDEC (call-in)
- Julia Schneider Cashin Spinelli & Ferretti, LLC (CSF)(representing the Town of Oyster Bay) (call-in)
- David Paule Bayer (call-in)
- John Brussel ARCADIS (call-in)
- Andrew Enigk ARCADIS (call-in)
- Charles Atanasio ARCADIS
- Chris Hurst Posillico

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HEALTH AND SAFETY MOMENT

Posillico discussed safe work practices for the Site, including maintaining awareness of moving
construction equipment and trucks. Construction workers should never assume an operator or driver
can see them and should be aware of how to maintain safe distances (e.g., boom/bucket and counterweight swing radius, blind spots, etc.). Workers should avoid onsite truck travel routes and maintain
safe distances from heavy equipment when in operation. Cell phones should not be used by operators
and drivers while working.

SAFETY/SAFE WORK PRACTICES

 Posillico indicated that no incidents have occurred this week and that work has proceeded safely (with no injuries over the 104 days of work completed project-to-date).

ACTION ITEMS OUTSTANDING FROM PREVIOUS MEETING

There are no outstanding action items from previous meetings.

COMPLETED WORK / WORK-IN-PROGRESS

Work activities performed by Posillico and its subcontractors during this period consisted of the following:

- Continuing to perform post-backfill and soil cover system topographic survey activities.
- Continuing to backfill "A", "B", and "C" Group excavation areas using approximately 858 cubic yards (CY) of imported clean backfill from Beth Moses Cemetery (BMC) located in West Babylon, New York. The imported clean backfill was placed in approximately one-foot loose lifts and compacted. In-place compaction testing was performed on each lift at a minimum frequency of one sample per 2,500 square feet (SF), as required by the *Remedial Design Addendum* (ARCADIS, August 2014)(RDA), by Posillico's compaction testing subcontractor, MT Group.
- Continuing installation of the site-wide soil cover system and demarcation layer below the system.
 Approximately 500 CY of imported clean backfill from BMC were placed and compacted during this reporting period to establish the 8-inch base of the soil cover system. Compaction testing was performed in accordance with the RDA, by MT Group. Approximately 54% of the 8-inch cap base had been completed by the end of this reporting period.
- Completing pumping of wastewater from the onsite frac tank and transporting the wastewater offsite for treatment at the Clean Water of New York facility. Posillico noted that there was approximately one

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inch of sediment in the bottom of the tank that will need to be removed and drummed for offsite disposal.

- Continuing washing of truck tires before the trucks exit the site and cleaning of the street with a street sweeper every night after work activities are complete for the day.
- Continuing erosion/sedimentation control measures inspection, maintenance, and documentation.

PROPOSED WORK ACTIVITIES

Posillico's two-week "look ahead" schedule is included as Attachment A and summarized below:

- Collect additional samples of the imported clean backfill from BMC in accordance with DER-10 if backfill is needed beyond what has previously been pre-characterized (31,000 CY of general fill has already been characterized, and approximately 30,400 CY of general fill was placed by the end of this reporting period).
- Collect additional samples to pre-characterize topsoil to be imported for use in constructing the upper 4-inches of the soil cover system (4,000 CY of topsoil has already been characterized, and approximately 3,200 CY of topsoil is expected to need characterization to complete the soil cover). No topsoil has been imported to the Site yet.
- Continue importing general fill and start importing topsoil.
- Continue backfilling excavations and conducting in-place compaction testing.
- Install erosion control matting along the side slopes of the rainwater runoff sumps after placement of topsoil.
- Continue installation of site-wide soil cover system.
- Remove and drum sediment from the frac tank and transport offsite for disposal. Complete
 decontamination of the frac tank as necessary.
- Schedule permanent disconnect of power to the Site during the week of April 13, 2015 and subsequently coordinate removal of the utility poles at the Site.
- Continue tire washing and street cleaning.
- Continue erosion and sedimentation control measures inspection, maintenance, and documentation.

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OPEN DISCUSSION

- Posillico indicated that progress on imported fill has been limited due to the wet conditions at BMC but anticipates production to increase as dry conditions are expected. Posillico anticipates completing the work during the week of April 20, 2015.
- ARCADIS noted that geese have been observed at the Site, but there has been no evidence of geese
 nesting onsite.
- The NYSDEC inquired about the progress of the Environmental Easement (EE) and ARCADIS
 indicated the EE was being reviewed by Bayer and New South Road Realty (NSRR). The NYSDEC
 indicated it would determine if CSF could be provided an opportunity to review and comment on the
 EE.
- CSF reminded the team to contact it with any concerns from residents.

ACTION ITEMS

 ARCADIS indicated it would provide instructions for handling the sediment to be removed from the onsite frac tank (instructions were provided on April 9, 2015).

ATTACHMENTS

- Attachment A: Posillico's Two-Week "Look Ahead" Schedule
- Attachment B: Weekly Site Photos
- Attachment C: Excavation/Backfilling Progress Table
- Attachment D: Excavation/Backfilling Progress Figure
- Attachment E: Soil Cover System Progress Figure

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 work performed during the reporting period or if additional items should be recorded in this summary. If modifications are made, a revised memorandum will be distributed.

Two-Week Look Ahead Schedule

PROJECT: Bayer- Hicksville JOB #: 07042

DATE/TIME: 4/13/2015 BY: Chris Hurst

		LABOR		~				1									PROD RATE		
	Activity Description & Location		OPER		We M			04/13/15 V T F			Week of: M T W		04/20/15 T F		0/15	EQUIPMENT/MATERIALS NEEDED	PER SHIFT PLAN	ISSUES	
	Survey	I	1				X		X			X		X			REDED		
	import backfill material				x	x	x				x	x					excavator		
	Import topsoil						Х	X	X		X	X	X	X	X		payloader		
	cap sumps #3 and #4																John Deere 850 DZ.		
	Grade/backfill redesign Area #2	3	2		X												dirt roller		
	Install Site wide Cap Fill and topsoil	3	2			X	х	X	X		X	X	X	X	x				
	load out water from Adler Tank.			1	X	X													
	MTGroup - Compaction testing			1	X	X	х	X	X		X								
	HTC landscape/ hydro seed										X	X	X	X	X	Ш			
5																Ш			
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SUBCONTRACTOR																			
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Ger	neral Issues / Change Orders	Ball In Court
1		
2		
3		

Attachment B

Weekly Site Photos



Posillico performing installation of 8-inch soil base cap.



Posillico performing installation of 8-inch soil base cap.



Posillico performing compaction of 8-inch soil base cap.



Posillico accepting delivery of clean backfill.



Posillico performing installation of 8-inch soil base cap.



Posillico accepting delivery of clean backfill.



Vacuum tanker onsite to remove waste water from the frac tank.



Truck Roadways being maintained with no debris



Posillico accepting delivery of clean backfill but no grading occurred due to wet conditions.



Posillico stockpiling clean backfill but no grading occurred due to wet conditions.

Attachment 0)
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Excavation/Backfilling Progress Table

TABLE 1 EXCAVATION AND BACKFILL TRACKING UPDATED THROUGH APRIL 10, 2015

PHASE 2 OPERABLE UNIT 4 REMEDIAL ACTION BAYER MATERIALSCIENCE LLC 125 NEW SOUTH ROAD HICKSVILLE, NEW YORK

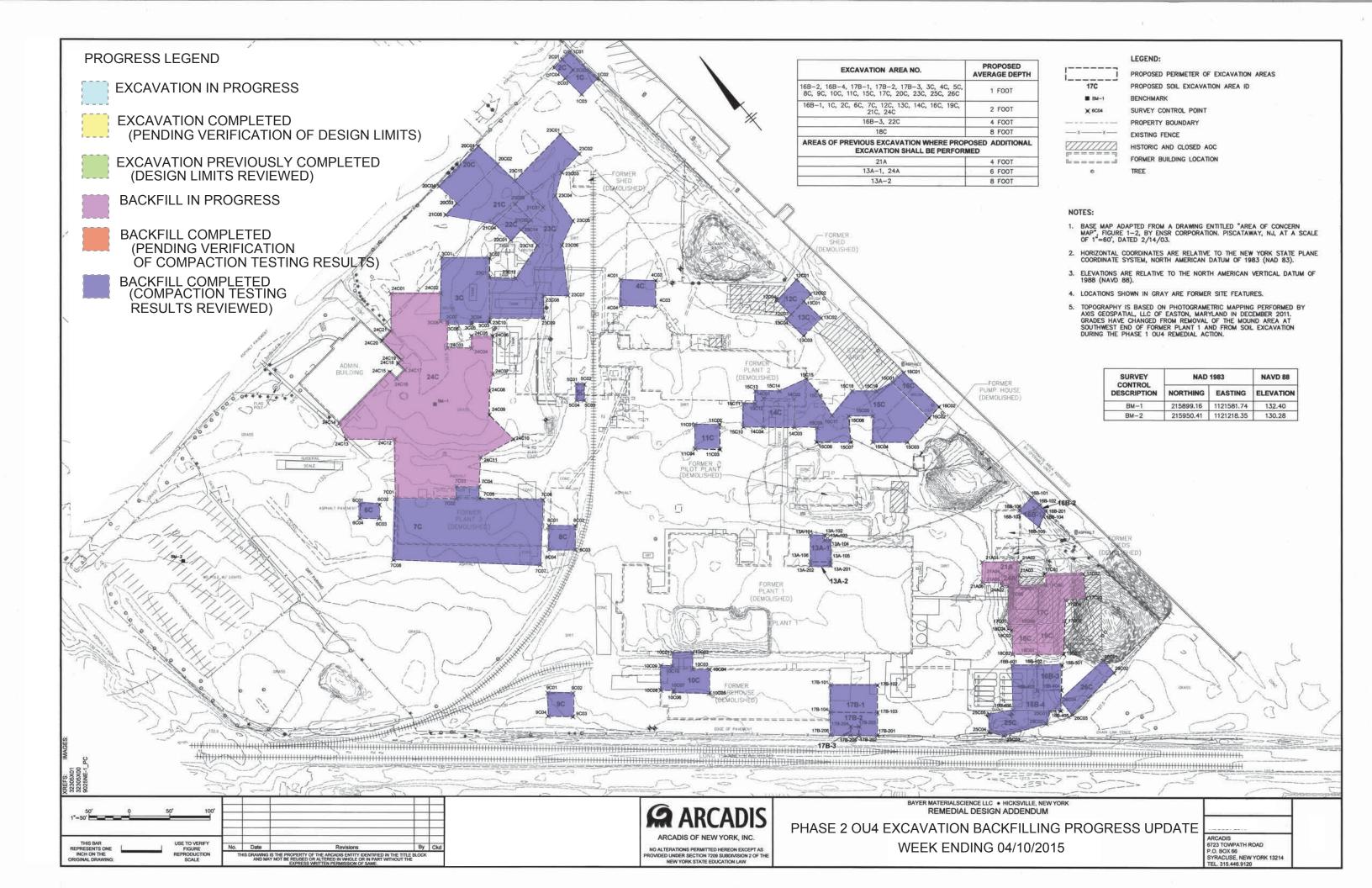
		Estim				
Operation	Design Volume (CY)	Previous Totals	Current Week Totals	Total to Date	Remaining Volume	Percent Completed
Excavation						
"A" Group Excavation Areas						
PCB-Impacted Soil (>50ppm)	167	167	0	167	0	100%
Non-Hazardous Waste Soil	201	201	0	201	0	100%
Subtotal:	368	368	0	368	0	100%
"B" Group Excavation Areas						
PCB-Impacted Soil (>50ppm)	218	218	0	218	0	100%
Non-Hazardous Waste Soil	183	183	0	183	0	100%
Subtotal:	401	401	0	401	0	100%
"C" Group Excavation Areas						
PCB-Impacted Soil (>50ppm)	227	227	0	227	0	100%
Non-Hazardous Waste Soil	5,538	5,538	0	5,538	0	100%
Concrete	400	0	0	0	400	0%
Subtotal:	6,165	5,765	0	5,765	400	94%
PCB-Impacted Soil (>50ppm) Subtotal:	612	612	0	612	0	100%
Non-Hazardous Waste Soil Subtotal:	5,922	5,922	0	5,922	0	100%
Total:	6,534	6,534	0	6,534	0	100%
Backfill						
Run-of-Bank Gravel						
Phase 1 "A" Group Excavation Areas	5,327	4,434	120	4,554	773	85%
Phase 1 "B" Group Excavation Areas	1,384	1,168	100	1,268	116	92%
Phase 2 "A" Group Excavation Areas	368	202	74	276	92	75%
Phase 2 "B" Group Excavation Areas	401	401	0	401	0	100%
Phase 2 "C" Group Excavation Areas	5,765	4,501	564	5,065	700	88%
Soil Cover System	18,200	9,030	500	9,530	8,670	52%
Subtotal:	31,445	19,336	1,358	20,694	10,351	66%
Topsoil		-				
Soil Cover System	7,192	0	0	0	7,192	0%
Total:	38,637	11,759	1,358	20,694	17,543	54%

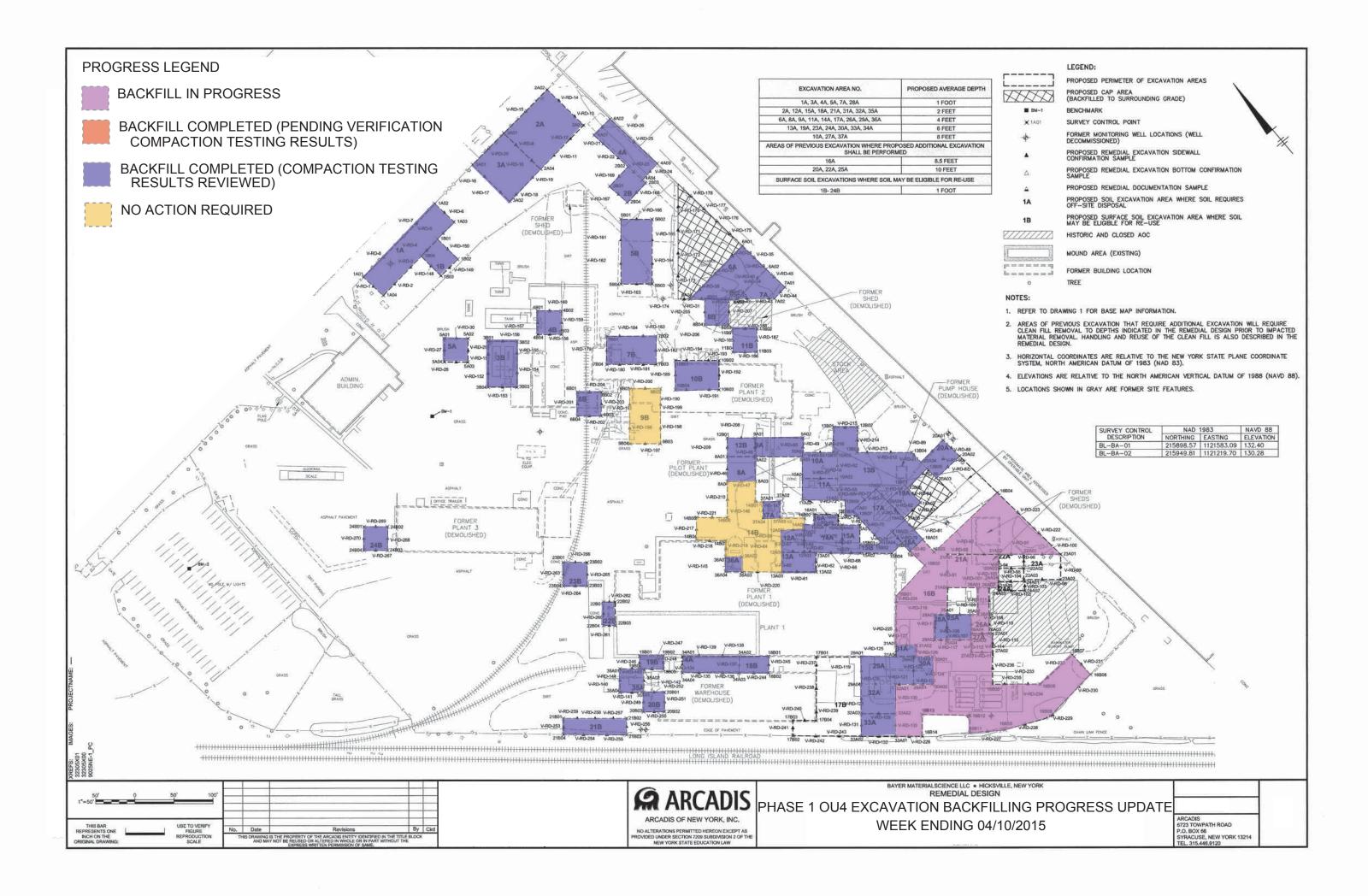
Notes

- 1. Excavation and backfill volumes are estimates based on field observations and measurements.
- 2. CY = Cubic Yards.
- 3. PCB = polychlorinated biphenyls
- 4. ppm = parts per million

Attachment D

Excavation/Backfilling Progress Figure





Attachment E

Soil Cover System Progress Figure

