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Mr. Steven M. Scharf, P.E.  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Remedial Bureau A  
625 Broadway, 12<sup>th</sup> Floor  
Albany, New York 12233-7016

ENVIRONMENT

Subject:  
Bayer MaterialScience LLC  
125 New South Road  
Hicksville, New York  
NYSDEC Site #130004  
Monthly Progress Report – December 2014

Date:  
January 22, 2015

Dear Mr. Scharf:

Contact:  
John C. Brussel, PE

On behalf of Bayer MaterialScience LLC (Bayer), enclosed is the December 2014 monthly progress report for the above-referenced site.

Phone:  
315.671.9441

If you have any questions regarding the attached report, feel free to contact Scott Krall of Bayer at 412.777.5568 or the undersigned.

Email:  
[John.Brussel@arcadis-us.com](mailto:John.Brussel@arcadis-us.com)

Sincerely,

Our ref:  
B0032305.2013 #10

ARCADIS of New York, Inc.

John C. Brussel, PE  
Principal Engineer

Enclosure

Copies:  
Ms. Katy Murphy, New York State Department of Environmental Conservation (via e-mail)  
Ms. Renata Ockerby, New State Department of Health (via e-mail)  
Mr. Scott Krall, Bayer MaterialScience LLC (via e-mail)  
Mr. David Paule, Bayer MaterialScience LLC (via e-mail)

Imagine the result

## MONTHLY PROGRESS REPORT – DECEMBER 2014

### OPERABLE UNIT 04 REMEDIAL ACTION BAYER MATERIALSCIENCE LLC 125 NEW SOUTH ROAD HICKSVILLE, NEW YORK

#### ACTION THIS MONTH

- Bayer's remedial contractor (Posillico Environmental, Inc. [Posillico]) continued to implement the Phase 2 Operable Unit 4 (OU4) remedial activities in accordance with the *Remedial Design* (ARCADIS, February 2013) ("the RD") and *Remedial Design Addendum* (ARCADIS, August 2014) ("the RDA"). Key work activities performed by Posillico in December included the following:
  - Continuing to remove soil from Phase 2 OU4 "B" Group excavation areas with polychlorinated biphenyl (PCB) concentrations  $\geq 50$  parts per million (ppm) for offsite disposal as a Toxic Substances Control Act- (TSCA-) regulated PCB waste/New York State (NYS) listed hazardous waste. The excavated soil was stockpiled in the onsite material staging area for subsequent offsite transportation and disposal.
  - Continuing to remove soil from Phase 2 OU4 "C" Group excavation areas with PCB concentrations between 10 ppm and 50 ppm or arsenic at concentrations  $>16$  ppm for offsite disposal as a non-hazardous waste. The excavated soil was stockpiled in the onsite material staging area for subsequent offsite transportation and disposal.
  - Completing removal of PCB-impacted soil from the portion of Excavation Area 17B-3 that extends south from the site fence line to the property boundary shared by Bayer and the Long Island Railroad (LIRR), which is approximately 2 feet to the south of the fence. The soil removed from this area totaled less than 1 cubic yard (CY) and was stockpiled in the material staging area awaiting offsite disposal as a TSCA-regulated PCB waste/New York State listed hazardous waste.
  - Removing soil from the bottom of Excavation Area 13A-1 that was observed to be discolored/stained. Approximately 15 CY of soil was removed from Area 13A-1 on December 19, 2014 and placed directly in a poly-lined roll-off waste container. Posillico collected a sample (sample "Rolloff-1") to characterize the soil for disposal purposes.
  - Loading and transporting non-hazardous waste soil offsite for disposal at the Gloucester County Landfill (GCL) located in Swedesboro, New Jersey.
  - Loading and transporting TSCA-regulated PCB waste/NYS listed hazardous waste soil offsite for disposal at the Chemical Waste Management (CWM) Chemical Services LLC landfill located in Model City, New York.
  - Collecting additional samples from the offsite clean fill source (Beth Moses Cemetery [BMC] located in West Babylon, New York) on December 2, 12, 23, 30, and 31, 2014 for laboratory analysis. These new samples and previous samples pre-characterize up to 26,000 cubic yards (CY) of run-of-bank fill to be imported to the Site. Posillico continued importing the clean fill throughout the month of December and used it for backfilling existing "A", "B", and "C" Group excavation areas and for constructing the site-wide soil cover system.
  - Performing in-place compaction testing of backfilled excavation areas. This work was completed by Posillico's in-place compaction testing subcontractor, MT Group.

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- Completing removal of the Administration building concrete floor slab and foundation footers on December 9, 2014.
- Collecting samples to characterize the first 1,000 CY of the proposed topsoil material at the Pinelawn Cemetery located in Farmingdale, New York. The laboratory results indicated that no constituents were identified in the samples at concentrations exceeding the lower of the New York State Department of Environmental Conservation (NYSDEC) commercial use or groundwater protection soil cleanup objectives (SCOs).
- Continuing to perform post-excavation, post-backfill, and soil cover system topographic survey activities.
- Continuing community air monitoring throughout December. The air monitoring was performed by Posillico's subcontractor, Preferred Environmental Services.
- Performing weekly inspections of the erosion and sedimentation (E&S) control measures.
- ARCADIS collected delineation/verification soil samples from six locations under the Administration Building concrete slab on December 10, 2014, after the slab was removed. The sub-slab soil samples from the surface interval (0-0.2 feet) were submitted for laboratory analysis for PCBs, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and inorganic constituents as listed in 6 NYCRR Part 375-6.8(b) and described in the RDA. The subsurface soil sample from the 0.5 to 2 foot interval at each location was submitted for laboratory archive.
- ARCADIS collected delineation/verification samples from four locations under the material staging area (proposed Excavation Area 7C) on December 12 and 19, 2014. Samples collected from the 1 to 2 foot and 2 to 4 foot intervals at each sampling location were submitted for laboratory analysis for PCBs. These samples were collected after the waste soil and liner system were removed from the eastern two-thirds of the staging area. The remaining proposed delineation/verification samples (from below the western portion of the staging area) will be collected on January 2, 2015 to complete the sampling under the staging area.
- ARCADIS provided full-time onsite construction observation services during the above-identified work activities and prepared weekly construction progress reports summarizing the work performed. The reports were submitted to the NYSDEC, New York State Department of Health (NYSDOH), Cashin, Spinelli & Ferretti, LLC (CSF) (representing the Town of Oyster Bay), Bayer, Posillico, and Impact Environmental.
- Weekly progress meetings were held on December 3, 10, 16, and 22, 2014 and attended (by phone or in-person) by the NYSDEC, NYSDOH, CSF, Bayer, ARCADIS, and Posillico.
- The NYSDEC, Bayer, and ARCADIS attended a December 16, 2014 site visit in connection with the above-referenced weekly progress meeting.

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#### **DELIVERABLES THIS PERIOD**

- ARCADIS submitted a December 12, 2014 letter to the NYSDEC summarizing the results of the PCB delineation/confirmation soil sampling performed on LIRR property and Bayer's proposed plan for remediating soil in this area. The NYSDEC provided approval in December 19, 2014 e-mail correspondence to ARCADIS.
- ARCADIS submitted the November 2014 monthly progress report to the NYSDEC on December 31, 2014.

#### **ACTION NEXT MONTH**

- Bayer and ARCADIS will continue to review excavation/backfill survey and imported fill data submittals to be prepared by Posillico as construction progresses.
- Posillico will continue implementing the Phase 2 OU4 remedial activities at the Site during January 2015, including but not limited to excavating the remaining impacted soil, transporting the remaining soil characterized as non-hazardous waste to GCL for disposal, transporting the remaining soil characterized as TSCA-regulated PCB waste/NYS listed hazardous waste to the Model City Landfill, and continuing to import clean general fill and use the material to continue backfilling excavations and constructing the soil cover system.

#### **SCHEDULE CHANGES**

There were no significant schedule changes in December 2014 that will impact the existing overall project schedule. Posillico intends to break for approximately 45 days during the winter and complete the site restoration activities in April 2015.