



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  
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Subject:

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

Dear Mr. Scharf:

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

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

Sincerely,

ARCADIS of New York, Inc.

John C. Brussel, PE  
Principal Engineer

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)  
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ENVIRONMENT

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December 31, 2014

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Our ref:  
B0032305.2013 #10

Imagine the result

## MONTHLY PROGRESS REPORT – NOVEMBER 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 November included the following:
  - Removing 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 listed hazardous waste. The excavated soil was stockpiled in the onsite material staging area for subsequent offsite transportation and disposal.
  - Removing 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.
  - Loading and transporting non-hazardous waste soil offsite for disposal at the Gloucester County Landfill (GCL) located in Swedesboro, New Jersey.
  - Backfilling six leachate pits with  $\frac{3}{4}$ -inch washed stone and covering the stone with geotextile fabric on November 3, 2014 prior to installing the soil cover system over the pits at a later date.
  - Collecting additional samples from the offsite clean fill source (Beth Moses Cemetery [BMC] located in West Babylon, New York) on November 7 and 14, 2014 for laboratory analysis. These new samples and previous samples pre-characterize up to 16,000 cubic yards (CY) of run-of-bank fill to be imported to the Site. Posillico continued importing the clean fill throughout the month of November and used it for backfilling existing Phase 1 OU4 "A" and "B" Group and Phase 2 OU4 "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.
  - Collecting samples of the proposed topsoil material from BMC. The laboratory results and gradation for the topsoil were provided by Posillico in November 20, 2014 e-mail correspondence to ARCADIS. There were no constituents identified at concentrations exceeding the lower of the New York State Department of Environmental Conservation (NYSDEC) commercial use or groundwater protection soil cleanup objectives. However, the topsoil was determined to not be acceptable for use unless Posillico provided the following: (1) a means by which the topsoil could be amended to increase the organic content from 2.4% and 2.7% found in the BMC samples to at least the 5% minimum content specified in the Remedial Design (RD); (2) information from

## **MONTHLY PROGRESS REPORT – NOVEMBER 2014**

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Posillico's proposed supplier for hydroseed and fertilizer supporting the performance of their products in topsoil with varying organic carbon content in topsoil (including performance at organic carbon levels below 5%); (3) the screen size being used by Stony Creek Services to remove the gravel from the topsoil as indicated on the sieve analysis (the RD specifies the topsoil must be free of stones).

- Continuing to perform pre-excavation, post-excavation, post-backfill, and soil cover system topographic survey activities.
- Completing the permitting process with the Long Island Railroad (LIRR) for access to perform sampling activities within the LIRR corridor. Posillico executed an entry permit with LIRR on November 5, 2014 and provided proof of insurance that was subsequently accepted by LIRR.
- Completing the removal of approximately 5,000 gallons of water from an approximate 9,000-gallon steel underground tank (suspected former tower water system return tank) located in the eastern portion of the property and disposal at Clear Flo Technologies, Inc. in North Lindenhurst, New York on November 5, 2014. Subsequent to removing the water, the tank was removed and transferred to the onsite soil staging area on November 6, 2014. The tank was cut, crushed, and transported offsite for recycling at Gershow Recycling in New Hyde Park, New York on November 26, 2014. During cutting of the tank, the debris from the bottom of the tank was transferred to the lined material staging area for offsite disposal with the non-hazardous, PCB-containing soil from the area. The tank removal work was performed by Posillico's environmental subcontractor, Eastern Environmental Inc.
- Performing the tear-down/demolition of the Administration Building on November 26, 2014.
- Continuing community air monitoring throughout November. The air monitoring was performed by Posillico's subcontractor, Preferred Environmental Services.
- Performing weekly inspections of the erosion and sedimentation (E&S) control measures that were installed for the Phase 1 OU4 remedial construction work and new E&S control measures installed for the Phase 2 OU4 remedial construction.
- 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 November 5, 12, 19, and 26, 2014 and attended (by phone or in-person) by the NYSDEC, NYSDOH, CSF, Bayer, ARCADIS, and Posillico.

## **MONTHLY PROGRESS REPORT – NOVEMBER 2014**

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- The NYSDEC, Bayer, and ARCADIS attended a November 5, 2014 site visit in connection with the above-referenced weekly progress meeting.
- Bayer received a signed access agreement from 70 Commerce LLC (owner of a property north of the Site) on November 4, 2014. The agreement allowed Bayer to perform soil removal and backfilling within Excavation Areas 1C and 2C, which extend approximately 2-feet onto the owner's property, ending at an existing fence line near the owner's southern property boundary.
- Posillico received profile approval from CWM Chemical Services, LLC (CWM) on November 7, 2014 for the disposal of soil from the Site characterized as a TSCA-regulated PCB waste and New York State listed hazardous waste at the CWM Chemical Services, LLC landfill in Model City, New York.

#### **DELIVERABLES THIS PERIOD**

- ARCADIS submitted November 13 and 18, 2014 e-mail correspondence to the NYSDEC related to potential use of run-of-bank sand/gravel backfill from two stockpiles at the Beth Moses Cemetery containing acetone, chrysene, or selenium at concentrations only slightly exceeding groundwater protection soil cleanup objectives (SCOs). The e-mail provided context and justification for allowing use of the fill material, which was accepted by the NYSDEC on November 19, 2014.
- ARCADIS submitted the "draft" RDA Modification #1 presenting: (1) the results of the PCB soil sampling that was performed in the southeast corner of the Site (in a former tank farm area as requested by the NYSDEC); and (2) the proposed plan for additional excavation in response to the results. The "draft" RDA Modification #1 was submitted on November 19, 2014.
- ARCADIS submitted an updated project schedule (prepared by Posillico) to the NYSDEC in November 19, 2014 e-mail correspondence.
- ARCADIS submitted the October 2014 monthly progress report to the NYSDEC on November 24, 2014.
- ARCADIS prepared a grading plan to facilitate backfilling of the Pilot Plant and surrounding area by Posillico (by providing more definitive survey/control points). This area had been extensively excavated and consisted of multiple adjoining excavations at varying depths (resulting in a large erratic low area relative to surroundings). Phase 1 OU4 excavations in this area were left open, soil removal was recently performed in Phase 2 OU4 excavations in this area, and previous backfilled ICM excavations in this area had experienced some settlement. ARCADIS provided the proposed grading plan to the NYSDEC in November 25, 2014 e-mail correspondence.

#### **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.

## **MONTHLY PROGRESS REPORT – NOVEMBER 2014**

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- Posillico will continue implementing the Phase 2 OU4 remedial activities at the Site during December 2014, including but not limited to excavating additional impacted soil, transporting soil characterized as non-hazardous waste to the GCL for disposal, transporting soil characterized as TSCA-regulated PCB waste/NYS listed hazardous waste to the Model City Landfill, continuing to import clean general fill and use the material to continue backfilling excavations and constructing the soil cover system, importing and placing topsoil for the soil cover system, and completing the demolition of the Administration Building (concrete slab/foundation removal and sorting of recyclable steel materials from general concrete and masonry demolition debris).
- Posillico will collect PCB delineation/confirmation soil samples within the LIRR corridor (after finalizing LIRR Entry Permit requirements, having utilities marked, and scheduling a railroad flagperson) and will later proceed with removing impacted soil within the corridor, as needed, based on the laboratory analytical results.
- ARCADIS will perform additional delineation/verification sampling under the Administration Building concrete slab after it is removed and under the material staging area (proposed "C" Group Excavation Area 7C) after the waste soil and liner system is removed.

### **SCHEDULE CHANGES**

There were no significant schedule changes in November 2014 that will impact the existing overall project schedule. As indicated above, ARCADIS submitted an updated remediation project schedule to the NYSDEC on November 19, 2014. Remediation work by Posillico is slightly behind mainly because: (1) fewer than projected waste transport trucks have been available to transport wastes from the Site; and (2) landfill approvals took longer than were anticipated.