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New York State Department of Environmental Conservation  
Division of Environmental Remediation  
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Subject:

Bayer MaterialScience LLC  
125 New South Road  
Hicksville, New York  
NYSDEC Site #130004  
Monthly Progress Report – January 2015

Dear Mr. Scharf:

On behalf of Bayer MaterialScience LLC (Bayer), enclosed is the January 2015 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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February 20, 2015

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Our ref:  
B0032305.2013 #10

Imagine the result

## MONTHLY PROGRESS REPORT – JANUARY 2015

### 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") until the start of winter shutdown on January 16, 2015. Due to weather conditions (heavy snow and persistent freezing conditions), remedial construction work at the Site was temporarily shut down and is not anticipated to resume until March 2015. Key work activities performed by Posillico in January before the shutdown included the following:
  - Completing test pits on January 2, 2015 at two sampling locations within the western portion of Excavation Area 7C (sampling locations V-RD-274 and V-RD-277, which are within the western portion of the material staging area footprint). The test pits were excavated through native soil that was exposed following removal of the staging area liner system, including the underlying cushioning layer of "concrete sand". ARCADIS collected verification soil samples from the 1- to 2-foot and 2- to 4-foot depth intervals of each test pit. The soil samples were submitted to Pace Analytical Services, Inc. (PAS) located in Melville, New York for laboratory analysis for polychlorinated biphenyls (PCBs).
  - Completing removal of soil from Phase 2 OU4 excavation areas with 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. The final loads of this soil were transported from the site on January 6, 2015 for disposal at the Chemical Waste Management (CWM) Chemical Services LLC landfill located in Model City, New York.
  - Completing the removal of 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. The final loads of this soil were transported from the site on January 7, 2015 for disposal at the Gloucester County Landfill (GCL) located in Swedesboro, New Jersey.
  - Completing removal of the hazardous and non-hazardous waste material staging areas (including the sacrificial soil layers and high density polyethylene liner) and loading the materials in haul trucks for offsite transportation and disposal at CWM-Model City or GCL, as appropriate.
  - Continuing community air monitoring until January 9, 2015 when it was discontinued following completion of the impacted soil excavation and waste load-out. The NYSDOH provided verbal approval to discontinue the community air monitoring during the January 7, 2015 weekly construction coordination meeting.

## **MONTHLY PROGRESS REPORT – JANUARY 2015**

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

- Collecting additional samples from the offsite clean fill source (Beth Moses Cemetery [BMC] located in West Babylon, New York) on January 9, 2015 for laboratory analysis. These new samples and previous samples pre-characterize up to 32,000 cubic yards (CY) of run-of-bank fill to be imported to the Site.
- Continuing to import clean run-of-bank fill until the site activities were shut down. The fill was used to backfill existing “A”, “B”, and “C” Group excavation areas and to construct the 8-inch thick base layer of the site-wide soil cover system.
- Performing in-place compaction testing of backfilled excavation areas, and continuing to perform post-excavation, post-backfill, and soil cover system topographic survey activities.
- Collecting samples to characterize an additional 3,000 CY of topsoil material from the Pinelawn Cemetery located in Farmingdale, New York. ARCADIS provided approval on January 9, 2015 for Posillico to import the topsoil characterized by these samples. Topsoil importation and placement will begin when remedial activities resume after the winter shutdown.
- Performing weekly inspections of the erosion and sedimentation (E&S) control measures.
- Working with the Public Service Enterprise Group, Inc. (PSEG) of Long Island regarding removal of the remaining utility poles onsite. PSEG indicated it owns the poles at the site and that the poles cannot be removed until the meter is removed from the pole supporting the transformer that currently provides electrical service to the field office trailers.
- ARCADIS revised a grading plan for the southeastern corner of the site and provided it to Bayer’s remedial contractor. The revised grading plan encompasses the area east/southeast of the former Plant 1 building footprint, extending to and including rainwater runoff Sumps #3 and #4 (also formerly known as AOCs 28 and 29). The grading plan also provides subgrade control points for use in backfilling/restoring the 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.
- Construction coordination meetings were held bi-weekly (January 7 and 21, 2015) and attended, by phone or in-person, by the NYSDEC, NYSDOH, CSF, Bayer, ARCADIS, and Posillico.

### **DELIVERABLES THIS PERIOD**

ARCADIS provided various data, information, summaries/evaluations, and updates to the NYSDEC and NYSDOH in e-mail correspondence, as listed below.

## MONTHLY PROGRESS REPORT – JANUARY 2015

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

- *January 7, 2015* – Summarizes the Administration Building sub-slab soil sampling activities and findings, and requests NYSDEC approval to restore the building footprint area with 4-inches of topsoil (i.e., consistent with the approach described in the RDA).
- *January 12 and 14, 2015* – Summarizes the analytical results for the above-identified backfill from BMC and requests NYSDEC approval to use the 2,000 CY portion of the backfill characterized by samples with the prefix “BMC-CF-25” and “BMC-CF-26” where there were some minor exceedances of groundwater protection soil cleanup objectives (SCOs) (all values were well-below commercial SCOs). The NYSDEC provided approval in January 13, 2015 e-mail correspondence to ARCADIS to use the 2,000 CY of backfill with the minor exceedances.
- *January 14, 2015* – Presents the above-identified grading plan for the southeastern corner of the site.
- *January 14, 2015* – Presents the PCB analytical results for the pre-excavation confirmation soil samples collected from below the material staging area following liner removal (i.e., from Excavation Area 7C).
- *January 15, 2015* – Summarizes the analytical results for the first 4,000 CY of topsoil from the Pinelawn Cemetery and requests NYSDEC approval to import the material for use onsite.
- *January 16, 2015* – Informs the NYSDEC and NYSDOH of a temporary work suspension to allow Posillico’s supplier of clean general fill from the BMC (Stony Creek Services) to build inventory of screened clean backfill to allow a greater rate of fill importation (>500 CY per day) to allow Posillico’s remaining excavation backfilling and soil cover system construction work to be efficient.

ARCADIS submitted the December 2014 monthly progress report to the NYSDEC on January 22, 2015.

#### **ACTION NEXT MONTH**

- Bayer and ARCADIS will work on the Environmental Easement and Site Management Plan.
- Bayer and ARCADIS will review remaining excavation/backfill survey and imported fill data submittals to be prepared and provided by Posillico during the winter shutdown.
- Posillico will continue to perform the weekly inspections of the E&S control measures at the site. After the snow melts and the ground thaws, portions of the E&S control measures located along the property boundary parallel to Commerce Place will be repaired and the soil in the immediate area will be stabilized by Posillico.
- Posillico anticipates demobilizing one of the project trailers, which will leave one trailer onsite for project personnel.

## **MONTHLY PROGRESS REPORT – JANUARY 2015**

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

### **SCHEDULE CHANGES**

There were no significant schedule changes in January 2015 that will impact the existing overall project schedule. As noted above, Posillico has discontinued work at the site and plans to resume work activities following snow-melt and end to freezing conditions.