



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

Subject:

Bayer MaterialScience LLC
125 New South Road
Hicksville, New York
NYSDEC Site #130004
Monthly Progress Report – September 2013

Dear Mr. Scharf:

On behalf of Bayer MaterialScience LLC (Bayer), enclosed is the September 2013 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. David Schnelzer, Bayer MaterialScience LLC (via e-mail)
Mr. Scott Krall, Bayer MaterialScience LLC (via e-mail)

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ENVIRONMENT

Date:

October 18, 2013

Contact:

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Our ref:

B0032305.0011 #10

Imagine the result

MONTHLY PROGRESS REPORT – SEPTEMBER 2013

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

ACTION THIS MONTH

- ARCADIS continued to perform weekly inspections of the erosion and sedimentation control measures that were installed for the Phase 1 Operable Unit OU4 remedial construction work. Inspections are scheduled to continue through the temporary shut-down of remedial activities.
- ARCADIS continued to implement the Phase 2 polychlorinated biphenyl (PCB) and arsenic delineation soil sampling program. The fieldwork was completed on September 9, 2013, and laboratory analytical results were received throughout the month.
- ARCADIS and Bayer met at the site on September 5th and 6th to observe delineation soil sampling work activities in-progress, check on site conditions, and plan for the final (Phase 2) remedial activities.
- The New York State Department of Environmental Conservation (NYSDEC) and ARCADIS discussed the project status and planned activities in a September 9, 2013 telephone call. Key items of discussion from the call are summarized in September 11, 2013 e-mail correspondence from ARCADIS to the NYSDEC (attached to this report).
- Bayer and ARCADIS held a September 27, 2013 conference call with the NYSDEC to discuss: (1) the status of NYSDEC's decision on whether or not the Town of Brookhaven Landfill may continue to receive wastes from the site; (2) laboratory analytical results for OU4 Phase 2 soil delineation; and (3) the proposed path forward. ARCADIS e-mailed data tables and figures to the NYSDEC prior to the conference call to support discussions during the call.
- ARCADIS tabulated the Phase 2 delineation soil analytical results and started preparing CADD figures that show the results, potential Phase 2 OU4 remedial limits, and proposed additional sampling locations to refine the delineation of impacted soil requiring excavation and offsite disposal.
- ARCADIS solicited cost estimates from several surveyors (after being unable to reach agreement on terms and conditions with the previously-proposed surveyor) to perform an American Land Title Association (ALTA)/NYSDEC-specification boundary survey to: (1) establish and field-mark the legal boundary lines in the two areas where PCBs have been identified near the boundaries at concentrations greater than 50 parts per million (ppm); and (2) provide survey data needed for the Environmental Easement.

DELIVERABLES THIS PERIOD

Deliverables during this period consist of the above-referenced e-mail correspondence and the August 2013 monthly progress report.

MONTHLY PROGRESS REPORT – SEPTEMBER 2013

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

ACTION NEXT MONTH

- Begin preparing the Remedial Design (RD) Addendum outlining the scope of the Phase 2 OU4 remedial action.
- On October 15, 2013, hold a telephone conference call with the NYSDEC, New York State Department of Health, Bayer, and ARCADIS to discuss: (1) available Phase 2 delineation soil sampling results; (2) scope of additional PCB delineation (refinement); (3) arsenic soil analytical data, including potential sources, and potential actions to address the arsenic; and (4) updates to the project schedule.
- Finish preparing data tables and CADD figures presenting the Phase 2 delineation soil analytical results (following receipt of final results for the remaining samples that were released from archive).
- Prepare a letter report summarizing the Phase 2 delineation soil analytical results and recommendations, including: (1) plans for limited additional sampling to refine the PCB-impacted soil delineation; and (2) the basis for a potential revised arsenic soil cleanup level given the slightly elevated and dispersed concentrations in the northern portion of the site, the apparent past agricultural use of the property (visible from aerial photographs), and potential historical use of arsenic-containing pesticides (suspected based on the distribution of arsenic in soil compared to the aerial footprint of former farmland and the limited manufacturing facilities in 1953 prior to full site development for manufacturing). The letter will also provide an updated project schedule.
- Perform an additional round of delineation soil sampling to refine the delineation of PCB-impacted soil to be transported for offsite disposal during the OU4 Phase 2 RD Addendum. Results of the sampling will be incorporated into the RD Addendum.
- Schedule the field portion of the ALTA/NYSDEC-specification boundary survey.

SCHEDULE CHANGES

The Phase 1 remedial construction work was temporarily shut-down in July 2013. Additional soil load-out for offsite disposal and backfilling of remaining excavations to target depths will resume following the kick-off of Phase 2 OU4 remedial construction activities.

Phase 2 OU4 remedial construction work is anticipated to be performed after: (1) proposed additional delineation (refinement) soil sampling is completed and results are reviewed; (2) the above-referenced RD Addendum is prepared by Bayer/ARCADIS and approved by the NYSDEC; and (3) Bayer completes Contractor procurement for the Phase 2 OU4 remedial action. A revised detailed schedule for implementing upcoming work will be presented in the above-referenced Phase 2 Delineation Soil Sampling Letter Report.

Brussel, John

From: Brussel, John
Sent: Wednesday, September 11, 2013 5:08 PM
To: Steven Scharf (sxscharf@gw.dec.state.ny.us)
Cc: Scott Krall (scott.krall@bayer.com); David Schnelzer; Bob Foster; 'Chintan Amin'; Enigk, Andrew
Subject: Status Update - Bayer Hicksville (NYSDEC Site #130004)
Attachments: RR Contacts

Steve,

This e-mail provides a recap of our September 9, 2013 telephone conversation regarding the Bayer Hicksville remedial project and action items from our call.

Key Items of Discussion:

- *Bayer Project Manager Change:* Scott Krall will be the lead PM and primary point of contact for Bayer moving forward on the Hicksville project. Dave Schnelzer will be involved in a secondary/advisory role until his retirement in December.
- *Town of Brookhaven Landfill:* Bayer is awaiting a decision from the NYSDEC regarding whether the Town of Brookhaven Landfill will be able to continue accepting non-hazardous waste from the Bayer Hicksville site. If landfill acceptance is received soon, Bayer will proceed with load-out of the remaining non-hazardous wastes prior to the start of bidding for the OU4 Phase 2 remedial work.
- *2013 Phase 2 Delineation Soil Sampling Status:*
 - The Phase 2 delineation soil sampling was completed on September 9th.
 - The first set of Phase 2 delineation soil analytical results are due today.
 - The last of the Phase 2 delineation soil analytical results (minus results for any archived samples released for analysis) should arrive by mid-next week.
- *OU4 Phase 2 Remedial Planning:*
 - ARCADIS will prepare figures showing the analytical results for the Phase 2 delineation soil samples and proposed limits for the Phase 2 remedial action. If additional delineation is needed, the figures will show potential additional step-out sampling locations. We anticipate having the figures ready within approximately 1.5 weeks following receipt of analytical results (by 9/26/13).
 - Once the figures are completed, a conference call or meeting will be held with the NYSDEC to discuss the analytical results/delineation and proposed actions.
 - ARCADIS will prepare the RD Addendum following the above-referenced call/meeting.
 - We discussed the physical conditions along the southern and eastern property boundaries where PCBs have been identified in surface soil at concentrations exceeding soil cleanup levels:
 - ✓ *Location V-RD-243D (PCBs at 84 ppm) along the shared boundary with the Long Island Railroad (LIRR):* The ground surface slopes upward to a "crest" that extends from the fence at V-RD-243D to approximately 1 foot beyond (onto the apparent LIRR ROW). Approximately 1 foot south of the fence, the ground surface slopes downward over an estimated horizontal distance of 2 to 3 feet to the bottom of an approximately 2-foot deep swale/ditch on the north side of the LIRR ROW.

✓ *Location V-RD-223D (PCBs at 34 ppm) along the shared boundary with Simone Development:* There are two parallel fences in this area, separated by a distance of approximately 1-foot. Sampling location V-RD-223D coincides with the inner (western fence). The second (eastern) fence abuts the paved driveway/storage area west of the Simone building complex. The ground surface elevation at the second fence is estimated to be approximately 1-foot higher than at the first fence, indicating that surface water runoff from the Bayer site would not flow into the driveway.

- ARCADIS is coordinating with a survey subcontractor for a boundary survey to support the Environmental Easement. As part of the field survey efforts, the survey subcontractor will stake/flag the official boundary between the Bayer and neighboring properties near V-RD-223D and V-RD-243D (to make the boundaries clearly visible).
- You indicated that sampling on the LIRR right-of-way may be needed if the next round of excavation/confirmation sampling identifies PCBs remaining at concentrations >50 ppm at the property boundary. You provided LIRR contact information (attached e-mail) for Bayer to provide notice of potential future sampling on the right-of-way.
- *Administration Building:* Bayer's contract with New South Road Realty (NSRR) indicates that the Administration Building is to be conveyed to NSRR, but NSRR has indicated that the building can be torn down. Bayer and NSRR are working on logistics for demolition (i.e., who will handle the tear-down and associated costs).

Action Items:

- *Bayer/ARCADIS:*
 1. Bayer will provide an update regarding action related to demolition of the Administration Building and associated characterization sampling.
 2. ARCADIS will schedule a conference call to discuss the findings of the Phase 2 delineation sampling. We propose to have the call in early October 2013. The results for any archived samples released for analysis would be due around this time. Let us know your availability for a call in early October. A follow-up call can be scheduled, if needed, to discuss results for additional archived samples.
 3. ARCADIS will provide a schedule for submitting the RD Addendum once all analytical results are received. We anticipate that the RD Addendum will be submitted to the NYSDEC within approximately one month following receipt of the delineation analytical results.
- *NYSDEC:* The NYSDEC will provide a status update on a decision regarding future disposal of non-hazardous waste from the Bayer Hicksville site at the Brookhaven Landfill.

Feel free to call Scott Krall of Bayer at 412.777.5568 or me if you have any questions or need additional information.

Thank you.

-John

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