

**PROJECT CLOSE-OUT MEETING
MAY 28, 2015**

**PHASE 2 OU4 REMEDIAL ACTION
BAYER MATERIALSCIENCE LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK**

Participants: NYSDEC, NYSDOH, Town of Oyster Bay, Bayer, ARCADIS, and Posillico

1. Health and Safety

- H&S moment
- H&S review (final stats)

2. Current Site Conditions / Project Status

- Utility disconnects & confirmation paperwork
- Demolition permit close-out
- Topsoil, hydroseeding, erosion control matting
- Grass growth & watering
- Weekly erosion control inspections
- General housekeeping
- Entrance gate lock (one lock, provide extra keys to Bayer)
- NYSDEC project sign removal

3. Remedial Project Recap

- Final quantities (excavation, T&D, imported materials)
- "Green" components

4. Upcoming Field Activities (3-Month Look-Ahead)

- Lawn mowing (area, frequency, etc.)
- E&S control measures removal

5. Upcoming Deliverables

- Final survey as-built mapping
- Final compaction test results
- Remaining waste manifest(s) (tank sediment)
- Environmental Easement
- Site Management Plan
- Final Engineering Report

6. Open Discussion

7. Site Walk

**FINAL REMEDIAL ACTION – PHASE 1 AND 2 OPERABLE UNIT 4
PROJECT STATISTICS**

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Health & Safety:

4,958 safe work hours were logged during the Phase 2 OU4 remedial construction activities. The project duration was similar for Phase 1 OU4, so the logged safe work hours (not reported) would have been similar.

Green Remediation:

- ***Imported Clean Fill*** – locally supplied from Beth Moses and Pinelawn Cemeteries (approximately 10 miles from the Site) and imported using local hauling companies, which reduced overall carbon emissions.
- ***Recycled Steel*** – 22 tons of steel piping and underground steel tanks removed during the excavation activities and 10 tons of steel building materials from the Administration Building demolition were transported offsite for recycling.
- ***Reused/Repurposed Clean Fill*** – Approximately 80 cubic yards (CY) of clean fill from another site owned by OXY were reused for subsurface fill.

Transportation & Disposal

- ***Soil*** – Approximately 34,300 tons of material were transported for offsite disposal at the Town of Brookhaven Landfill (Brookhaven, NY), Gloucester County Landfill (Swedesboro, New Jersey), EQ-Wayne Disposal Facility (Belleville, Michigan), and Chemical Waste Management (CWM) Chemical Services LLC Landfill (Model City, NY). A total of 4 drums of sediment from decontamination of the frac tanks during Phase 2 were transported offsite for disposal at CWM-Model City. The waste types and associated tonnage for both phases were as follows:
 - Non-Hazardous Waste: 31,700 tons
 - Hazardous Waste: 2,600 tons
- ***Construction & Demolition (C&D) Debris*** – Approximately 12 tons of C&D debris were from the Administration Building demolition were transported for offsite disposal at 110 Sand Company Landfill (Melville, NY). A total of 2 drums of lead-based paint chips were transported offsite for disposal at Waste Management (Grows, PA).
- ***Remediation Wastewater*** – Approximately 55,000 gallons of wastewater were transported offsite for treatment, with 20,000 gallons to Tradebe (Bridgeport, CT) and 35,000 gallons to Clean Waters of New York (Staten Island, NY).

Restoration

- ***Demarcation Layer*** – Approximately 775,000 square feet (SF) of demarcation layer were placed at the excavation bottoms and before placing the minimum one-foot thick soil cover system.

5/27/15

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- ***Imported Clean General Fill** – Approximately 35,000 CY of general fill was imported for use as subsurface backfill and for constructing the 8-inch base layer of the soil cover system. Approximately 2,000 CY of the fill were imported from East Coast Mines & Material Corp. (East Quogue, NY) and approximately 33,000 CY of the fill were from Beth Moses Cemetery (West Babylon, NY).
- ***Topsoil** – Approximately 6,300 CY of topsoil were imported from Pinelawn Cemetery (Farmingdale, NY) for use as the 4-inch top layer of the soil cover system.
- **Lawn Area** – Approximately 577,000 SF of the Site were hydroseeded.

**Statistics associated with the imported clean general fill and topsoil volumes are approximate until final volumes are verified based on survey and field records.*