### Former Marble Quarry Landfill **109 Marbledale Road** Tuckahoe, New York

#### NYSDEC Brownfield Cleanup Program #C360143

#### **Community Meeting # 10**

**April 26, 2017** 



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# Source Area Removals

- As of April 26, 2017, all source areas, Source Area 1, 2, 3, 4, 6, 7, 8, 9, 10, 11 and 12 have been removed and backfilled.
- Removed soils from SA-1, 2, 3, 6, 7, 8, 9, 10, 11 and 12 went to Bayshore Recycling located in Keasbey, New Jersey.
- Removed soils from SA-4 went to IESI PA Bethlehem Landfill Corporation located in Bethlehem, Pennsylvania.
- Source Area 5 will not be removed based on a review of all soil precharacterization data (no exceedances of CSCOs).
- Additional Source Area removals included:
  - Extension of two SA-2 sidewalls due to exceeding CSCOs for Copper and Barium at initial soil sampling locations.
  - Soils around SB-11 (SA-12) due to exceedance of Benzo(a)pyrene.

# Source Area Removals (continued)

- CAMP monitoring was in place during all invasive earth moving activities on-site.
- In accordance with the approved RAWP, excavation end-point soil samples were collected and analyzed for VOCs, SVOCs, PCBs, TAL Metals and pesticides.
- End-point soil samples were taken from the bottom and the sidewalls of the excavation footprint and the results were compared to the Commercial soil cleanup objectives (CSCOs).
- When the end-point soil sampling results did not meet CSCOs, DEC required additional excavation.
- The excavations were secured using fencing and covered in polyethylene sheeting for odor and dust suppression purposes.

### **Source Area Locations**



## Source Area – 1B UST Removals

- On March 31, 2017 Northeast Environmental removed 2,091-gallons of waste gasoline and fuel oil from two 2,000-gallon Underground Storage Tanks in accordance with NYSDEC and WCDOH regulations for proper disposal at Tradebe Treatment and Recycling located in Bridgeport, Connecticut.
- On April 3, 2017 Northeast Environmental removed two 2,000-gallon USTs in accordance with NYSDEC and WCDOH regulations from the site for proper disposal at Pascap Co, Inc. located in Bronx, New York.
- On April 11, 2017 following soil removal activities and prior to backfilling, HES installed one Soil Vapor Extraction (SVE) Well in the excavation of SA-1B.

### Source Area 1B UST Removal



### Source Area 1B UST Removal



### Source Area 1B SVE Well Installation



## **Test Piles**

- As of April 7, 2017, Environmental Bulkheading Corp. (EBC) has completed the installation of 10 test piles.
  - On April 4, 2017 EBC installed the first test pile using an air rotary drilling method.
  - On April 5, 2017 EBC continued drilling the remainder of the piles using a mud rotary drilling method. A closed circuit system was implemented for the containment of water used during the mud rotary drilling process.
  - Over the course of test pile installation, HES conducted vapor monitoring at a series of nearby well locations using a Photoionization Detector (PID) and a Flame Ionization Detector (FID). When compared to baseline readings no anomalies were observed in the data recorded.

# Test Pile Drilling



#### **Test Piles Retention Basin**



# Aerosol Can Sampling Results

- Dichlorodifluoromethane (Freon 12), isobutane and n-butane were detected in antiperspirant aerosol cans collected from SA-3. These same cans were encountered in SA-4 and were disposed of with SA-4 soils at IESI PA Bethlehem Landfill Corporation located in Bethlehem, Pennsylvania.
- The recovered cans from SA-3 remain on-site in sealed 55-gallon steel drums while awaiting transportation and proper disposal.
- Revlon, the owner of the Mitchum Brand, had representatives from FPM Remediations, Inc. (FPM) who were present during the soil removal work at SA-4. FPM collected soil samples from the source area and split a sample with HES for laboratory analysis of VOCs using EPA Method 8260 List.

#### What's Next?

- Since the water drilling method generated very little water spoils, this is the preferred drilling method for the piles. The water that did result from the test was sampled after treatment and revealed only one exceedance of the drinking water standards.
- The success of the pilot test demonstrates the piles can be drilled into the site without issue.
- Ground Penetrating Radar was used on the areas of the site where the Rapid Impact Compaction shall begin. The report is pending.
- Peak has sent letters to all 53 adjacent and nearby (i.e. within 250') property owners (and a second notice to 40 owners who did not respond to the first letter) to perform a baseline foundation analysis before the RIC work commences in early May.

#### Proposed Future Site Development



### Thank You for Attending the Tuckahoe Community Meeting Related to the Marbledale BCP Site!

### Questions?

