

POLREP # 3
Chem-Fab Site
Doylestown, PA 18901

Event: CERCLA Response Activities

ATTN: Region III RRC

I. Situation (May 1, 2014 – May 31, 2014)

- A. In January 2012, the Remedial Program completed a Focused Feasibility Study intended to evaluate alternatives to address threats presented by soils located at the Property. In December 2012, the Remedial Program issued a Record of Decision (ROD) selecting remedial action consisting of, among other things, the removal and off-site disposal of certain contaminated soils on the Property outside the footprint of the three commercial buildings on the Property.
- B. On November 8, 2012, using authority provided under EPA Delegation 14-2, the On-Scene Coordinator (“OSC”) authorized the expenditure of funds in an amount not to exceed \$50,000 to initiate a removal action intended to reduce VOCs in suites inside an office building located 300-360 North Broad Street (“Property”), which Property is included within the Site. To accomplish this, the OSC installed portable air purifiers into selected suites within the impacted building. The OSC subsequently collected additional data to evaluate the efficacy of such units combined with the existing building vapor mitigation system in reducing VOCs levels within the building.
- C. On September 19, 2013, EPA issued an Action Memorandum approving a scope change, the expenditure of additional funds, and an exemption to the statutory funding and time limits on the Removal Action. The selected Removal Action consisted primarily of the excavation and off-site disposal of certain contaminated soils presently located at the Property.
- D. On May 28, 2014, a Change of Scope was approved to additionally address the threat to public health from groundwater impacted by the contaminated soils on the Property. Hazardous substances in soils at the Property have been determined to be responsible for groundwater contamination that has impacted two private supply wells down gradient from the Property. Under this Change of Scope, bottled water will be provided to one private property where such impacts are significant. The need to connect such property to public water will be decided in the near future; however, based on the results of the sampling, there is an immediate need to provide the occupants of this property with bottled water.
- E. For more information, see previous POLREPs.

II. Action Taken

- A. 5/1/14 to 5/2/14 – Continued soil removal operations, conducted air & RAD monitoring and collected solid samples. Placed the contents of underground structure #4 into five 55 gallon drums and backfilled the area with gravel. Building owner asked EPA to investigate the vapor mitigation system and determine if any additional structures exist under the concrete slab. Began removing the concrete slab on the eastern portion of the site. Collected samples SOIL-5, SOIL-6 and SOIL-7, adjacent to the architect's office.
- B. 5/5/14 to 5/9/14 – No site activities.
- C. 5/12/14 to 5/16/14 - No site activities 5/12. Continued soil removal operations and conducted air & RAD monitoring. The area around the vapor extraction system was excavated and it was discovered that the pipes only went to the bottom of the concrete slab. Additional pipes were installed below the slab and then area was then backfilled with clean gravel. A roll-off was delivered to the site, used to dispose of the contents of underground structure #9. No site activities 5/16/14.
- D. 5/19/14 to 5/23/14 – Continued soil removal operations, conducted air & RAD monitoring and collected solid samples. The contents of underground structure #11 was placed into one cubic yard boxes (8 total) and 3 drums. Clean fill was delivered to the site to fill excavation area. Dug test trenches and collected soils samples along the eastern parking lot to determine waste profile moving towards the front (NE) of the site. Collected SOIL-08, SOIL-09 on 5/20; SOIL-10, SOIL-11, SOIL-12, SOIL-13 and SOIL-14 on 5/22. No site activities 5/23.
- E. 5/26/14 – 5/30/14 – No site activities 5/26. Continued soil removal operations and conducted air & RAD monitoring. One of the hazardous roll-offs was taken off site. Underground structures #10/10A, and #11 were demolished and loaded onto trucks for non-haz disposal. The southern half of the removal area was compacted. Drums were delivered. No site activities 5/30/14.

III. Future Actions

- A. Continue soil removal actions.
- B. Continue to receive clean fill.
- C. Add remaining amendments to the excavation area where necessary.
- D. Dust suppression will be implemented when necessary.

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