

**POLREP # 5
Chem-Fab Site
Doylestown, PA 18901**

Event: CERCLA Response Activities

ATTN: Region III RRC

I. Situation (July 1, 2014 – July 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. Based on the data collected (see Section III of the Original Action Memo), potential future conditions at the Site, the extent of contamination and other reasons (e.g., lack of Remedial and State funding to do the work), the OSC determined that continued Removal Action was necessary to mitigate or prevent a threat to public health and that a change of scope, additional funding, and an exemption to the 12-month limit were required to perform such action.
- D. 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.
- E. 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.

- F. As of July 31, 2014, we have spent approximately \$708,116 . . . that figure is only materials and contractors hours, it does not include EPA personnel.
- G. For more information, see previous POLREPs.

II. Action Taken

- A. 6/2/14 to 6/6/14 – roll-off containing the contents of underground structure #2 was removed. Received clean fill. Dug three test pits on the western side of the site and collected soil samples. Roll-off containing the soils near underground structure #5 was removed. Last bag of ZVI was added to the excavation area, once all the hazardous soils were removed. Moved the drums and totes to the front of the site for pick-up. All hazardous waste boxes (8), totes (4), and drums (16) were taken off-site for disposal.
- B. 6/9/14 to 6/13/14 – sampled drinking water from 379 NW Street, 445 NW Street and 447 NW Street. Created walkway on the eastern side of the building and moving fencing so excavation in that area could proceed. Sampled drinking water from 687 Shady Retreat and 699 Shady Retreat. Removed soils from the eastern side of the site, backfilled excavated areas and compacted soils. Replaced the sump pump outside of 300 N. Broad.
- C. 6/16/14 to 6/20/14 – Dug test pits in order and collected samples to characterize the soils in the western side of the site. A phone line was cut during the digging of one of the test pits and was subsequently repaired. Removed soils from the eastern side of the site, backfilled and compacted soils.
- D. 6/23/14 to 6/27/14 – Continued compacting soils and cleaning up the site. Surveyors marked out final elevations. Spread and compacted stone to bring the site up to grade. Removed fencing along the walkway and moved it back at the front of the site to allow for parking. No Site activities week of 5/30/14.
- E. 6/30/14 to – 7/4/14 – No Site activities.
- F. 7/7/14 to 7/11/14 – While the site was closed, the property owner removed portions of the remaining slab around the building. The contractor removed all the concrete removed by the owner and sent it for off-site disposal. Dug below the removed concrete, backfilled with clean fill over a plastic layer and installed a new VE system. Removed two large stumps, one from the east corner and the other was located along the south fence line. Remedial contractors sampled the monitoring well closest to the building. Collected soil sample. Repaired two damaged monitoring wells. Planted flowers along the walkway to the offices and compacted stone along the western side of the parking lot.

- G. 7/14/14 to 7/18/14 – Moved porta-johns and fence to make room for trees to be planted. Compacted the western area of the parking lot and marked out the location for the trees along the western fence line. Dug the tree holes and planted the trees. Complete most of the VE system installation. Installed a French drain from the corner of the main building to the south to keep water away from the VE system. Spread topsoil and placed sod in the green space. The property owner asked for bigger trees and to remove old roots long western fence line. Placed sod on southern fence-line.
- H. 7/21/14 to 7/25/14 – No site activities.
- I. 7/28/14 to 8/2/14 – PECO disconnected the power supply to the Site trailer. Installed flush mount well caps on last well head in preparation for paving. Collected residential drinking water samples for Perfluorinated compounds. A subcontractor installed a new chain-link fence along the southern perimeter of the site. Planted thirty arborvitaes along the chain-link fence. The southern portion of the site was paved with asphalt. Replaced the old VE system fan with a new 250 cubic feet per minute fan.

III. Future Actions

- A. Repair paved asphalt from previous paving contractor.

Eduardo Rovira, OSC
EPA Region III
Philadelphia, Pennsylvania, 19103