

POLREP # 4
Chem-Fab Site
Doylestown, PA 18901

Event: CERCLA Response Activities

ATTN: Region III RRC

I. Situation (June 1, 2014 – June 30, 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. For more information, see previous POLREPs.

II. Action Taken

- A. 6/2/14 to 6/6/14 – START performed oversight of soil removal operations and conducted air & RAD monitoring and collected solid samples. ERRS had the roll-off containing the contents of underground structure #2 removed. New roll-offs loaded with soils located near underground structure #5. Clean fill arrived on-site. On 6/3/14 ERRS dug the 1st of 3 test pits on the western side of the site. START collected samples SOIL-15A and SOIL 15B from the 1st test pit. The roll-off filled by ERRS with soils located near underground structure #5 was removed and new roll-offs arrived for additional soils located near underground structure #5. On 6/4/14 ERRS dug the 2nd and 3rd test pits on the western side of the site. START collected samples SOIL-16A, SOIL-16B, SOIL-17A, and SOIL-17B from the 2nd and 3rd test pits. ERRS used stone & compaction the area where the test pits were dug in order to restore the area so they could be used for parking. Last bag of ZVI added to the excavation area once all the hazardous soils were removed. ERRS moved the drums and totes to the front of the site for pick-up, along with the boxes. START worked on setting up residential drinking water sampling for the following week. 6/6/14, ERRS had all hazardous waste boxes (8), totes (4), and drums (16) were taken off-site for disposal.
- B. 6/9/14 to 6/13/14 – START performed oversight of soil removal operations and conducted air & RAD monitoring and collected residential drinking water samples. On 6/9/14 START sampled drinking water from the following locations: R1 (379 NW Street), R2 (445 NW Street), R3 (447 NW Street), R6 (Field Blank), and R7 (Trip Blank). ERRS worked on creating walkway on the eastern side of the building and moving fencing so excavation in that area could proceed. On 6/10/14 START sampled drinking water from the following locations: R4/R8 (687 Shady Retreat Rd. & dup) and R5 (699 Shady Retreat Rd.). ERRS worked on removing soils from the eastern site of the site, backfilling excavated areas and compacting soils. Sump and pump outside of 300 N. Broad were replaced 6/14/14.
- C. 6/16/14 to 6/20/14 – START performed oversight of soil removal operations and conducted air & RAD monitoring and collected soil samples. On 6/16/14 ERRS dug test pits in order for START to collect samples to characterize the soils in the western side of the site. START collected the following samples from these test pits on 6/16/14: SOIL-18A, 18B, 19, 20, 21, 22, 23A, 23B, 24A, and 24B. A phone line was cut during the digging of test pit 20, and was subsequently repaired on 6/17/14. ERRS worked on removing soils from the eastern side of the site, backfilling and compacting soils.

- D. 6/23/14 to 6/27/14 – START performed oversight of soil removal operations and conducted air & RAD monitoring. ERRS continued compacting soils and cleaning up the site. Surveyors on-site to mark out final elevations. Stone arrived to bring the site up to grade, this was also compacted. Fencing removed along the walkway and fencing moved back at the front of the site to allow for parking.

III. Future Actions

- A. Finish grading the site to prepare for paving.
- B. Case wells.
- C. Pave the site.
- D. Restore the site, including planting grass and shrubs, moving fencing back to its original location, and grading the western parking lot.

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