

## **Appendix D**

### **Pennsylvania Sites on the Federal National Priorities List**

This appendix contains a list of “active” sites on EPA’s National Priorities List. This list includes sites that are designated as “Proposed,” “Final,” or “Deleted” where long-term monitoring or actions are required to be reviewed. Further information on the status of these sites is included on EPA’s website.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Hunterstown Road	Responsible Party	SC	Adams	91	33	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Soils contain toxic metals and asbestos.	The soil remedy is complete and operating as designed. Groundwater remediation is ongoing. The Responsible Party conducted Capture Zone Evaluation of the groundwater recovery network in 2017. It was determined that a well is needed further south to capture groundwater and delineate the end of the plume.
Keystone Landfill	Responsible Party	SC	Adams	91	33	Groundwater and nearby surface water are contaminated with toxic volatile organic compounds (VOCs) and heavy metals.	The landfill cap and gas extraction system have been constructed. Groundwater extraction is ongoing. The off-site wells are showing declining VOC concentrations. The four new Land Management Plan piezometer pairs have been installed and initial sampling work was performed.
Shriver's Corner	Responsible Party	SC	Adams	91	33	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and has affected residential wells in the area.	Remedial actions are complete. A new uncontaminated water system was constructed to replace affected residential wells. The Responsible Parties continue to operate the groundwater remediation system and the residential water supply system. EPA will be conducting a Five-year review in 2018.
Westinghouse Elevator	Responsible Party	SC	Adams	91	33	Groundwater and surface water are contaminated with trichloroethylene (TCE).	A public waterline was extended to affected residences and a groundwater pump and treat system is currently operating. In the 2015 Vapor Intrusion study, TCE was still detected in the indoor air, but at lower levels and the risks were within acceptable ranges. The Responsible Parties are planning to initiate a pilot study on in-situ chemical oxidation injections in the source area in 2018.
Breslube Penn	Responsible Party	SW	Allegheny	44	37	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs). No residential wells have been impacted.	Construction is complete. The soil was capped and a slurry wall was installed in 2015. A two-year evaluation on the in-situ groundwater treatment was submitted to EPA and DEP in January 2018. All parties agree that further investigation is needed. Groundwater treatment is ongoing.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Lindane Dump	Responsible Party	SW	Allegheny	33	38	The soil and groundwater are contaminated with pesticides.	The Responsible Parties installed a cap over the landfill and are operating a leachate treatment system. Monitoring of the site continues and annual reports are being submitted to EPA and DEP.
Ohio River Park	Responsible Party	SW	Allegheny	45	42	Soils in the disposal pits contained benzene, toluene and phenols. Soil and groundwater have been impacted.	Construction is complete. Groundwater monitoring and operation and maintenance of the multi-layer cap are ongoing by the Responsible Party. Annual reports are being submitted to EPA and DEP.
PICCO Resin Disposal	Responsible Party	SW	Allegheny	39	37	Groundwater and surface water are contaminated with toxic volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs).	The Site is capped and leachate water is collected and pre-treated before discharge to the local sewage treatment plant. The new leachate pre-treatment system was approved by EPA in 2017 and is currently in operation. There are still some environmental impacts to consider.
Craig Farm Drum Dump	Responsible Party	SW	Armstrong	69	41	The Site is contaminated with toxic volatile organic compounds (VOCs) and other wastes from the production of resorcinol.	Construction is complete. EPA deleted the Site from the NPL in September 2013. The Responsible Party is conducting operation and maintenance at the Site. EPA issued the 4 <sup>th</sup> , 5-year review in September 2014.
Bally Groundwater	Responsible Party	SC	Berks	130	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and threatens area drinking water supply.	Groundwater is being pumped and treated by the Responsible Parties. A new uncontaminated public well and distribution system have been developed. Vapor intrusion has been evaluated and one mitigation unit was installed.
Berks Landfill	Responsible Party	SC	Berks	129	29	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	Leachate from the landfill is collected and sent to the local wastewater treatment plant. The Responsible Party (RP) is maintaining the cap and leachate collection system. The RP is also evaluating the option of discharging leachate onsite to eliminate use of the local wastewater treatment plant.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Berks Sand Pit	State Funded O&M	SC	Berks	134	24	Groundwater and the Middle Branch of the Perkiomen Creek are contaminated with toxic volatile organic compounds (VOCs). Residential wells are regularly monitored to ensure pollutants remain within safe drinking water levels.	Construction is complete. DEP took over operation and maintenance of the groundwater remediation system in 2005. A complete round of groundwater sampling was completed in May 2018 to determine if additional amendments should be placed in the wells. The Focused Feasibility Study report for groundwater is being reviewed by EPA.
Brown's Battery Breaking	Responsible Party	SC	Berks	124	29	Groundwater is contaminated with lead.	Contaminated soils have been remediated. Groundwater remediation is ongoing. In March 2017, pneumatic fracturing in the Site bedrock and monitoring wells was conducted. Sodium bicarbonate was injected into the fracture zones. Groundwater sampling occurred in April 2017. Well interconnectivity improved and metal concentrations have decreased.
Crossley Farms	EPA Funded and State O&M	SC	Berks	134	24	Toxic volatile organic compounds (VOCs) have been detected in on-Site groundwater and residential wells down gradient of the Site.	EPA is operating the groundwater pump and treat system. DEP is maintaining the residential carbon treatment units and vapor intrusion systems installed by EPA at affected homes. 14 POET systems have been disconnected because sampling data at these locations has exhibited non-detect for VOCs for five or more consecutive years.
Cryo-Chem	State Funded O&M	SC	Berks	130	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	DEP has taken over operation and maintenance of the groundwater remediation system. The vapor phase carbon filter unit will be removed from the treatment system due to lower total VOC concentrations in the groundwater. EPA conducted a site visit for the Five-Year Review process in January 2018 and is currently drafting a report.
Douglassville Disposal	Responsible Party and EPA Funded	SC	Berks	130	44	Groundwater, surface water and soils are contaminated with toxic volatile organic compounds (VOCs), heavy metals and polychlorinated biphenyls (PCBs).	EPA completed well monitoring that showed PCB concentrations below the cleanup standards. EPA will check on the former soil lime stabilization efforts and conduct the sixth Five-Year Review. EPA plans to transfer the project to DEP for long term operation and maintenance activities.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Price Battery	Responsible Party and EPA Funded	SC	Berks	124	29	Plant soils contain high levels of lead. Residential properties are contaminated with lead from historic air deposition.	EPA is preparing a five-year review report. The Operable Unit-2 100% Remedial Design was completed in May 2018 and site remediation work to remove additional metals contamination is expected to begin in Summer 2018. New groundwater monitoring wells will be installed for future quarterly sampling.
Ryeland Road Arsenic	EPA Funded	SC	Berks	129	29	Site soils are contaminated with arsenic and lead. Some private properties are also impacted.	DEP has one more payment to EPA for the State's share of remedial action costs. EPA has relocated residents and removed contaminated soils. Phytoremediation of soils has been discontinued. EPA is finalizing the feasibility study, which evaluates remedial options. Monitoring of the site groundwater is ongoing.
Delta Quarries Landfill	Responsible Party	SC	Blair	80, 79	30	Groundwater and surface water are impacted by toxic volatile organic compounds (VOCs), including tetrachloroethylene (PCE), and heavy metals.	Operation and maintenance of the Site is ongoing. Groundwater samples were collected from a spring, recovery wells and monitoring wells. PCE concentrations and PCE breakdown products exceeding their respective cleanup standard were present. 1,4-dioxane exceeded the inhalation cleanup standard at 6 well locations.
Bell Landfill	Responsible Party	NC	Bradford	110	23	Leachate from the Site contains methylene chloride, vinyl chloride, manganese and arsenic.	The two Site landfills have been closed. On-site treatment of leachate via spray irrigation is underway as well as evaluation of on-site treatment to discharge directly to the stream. The 2018 five-year review is being drafted with minor protectiveness recommendations.
Boarhead Farms	Responsible Party	SE	Bucks	168	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Wetlands, ponds and a small unnamed tributary to the Delaware River are affected by contaminated groundwater.	Residential water supplies have been equipped with carbon treatment systems. The Responsible Parties continue to monitor residential wells and monitoring wells at the Site and maintain residential treatment systems. EPA is planning to incorporate institutional controls and a new contaminant into the remedy through a Record of Decision Amendment.
Chem Fab	EPA Funded	SE	Bucks	168	10	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and inorganic compounds. Contaminated groundwater threatens to impact nearby public water supply wells.	EPA is performing further investigations of the Site to evaluate remedial alternatives. EPA completed hot spot removal and issued a Record of Decision for a groundwater pump and treat facility as an interim response. EPA is conducting aquifer testing.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Croydon TCE	State Funded O&M	SE	Bucks	141,140	6	Groundwater and eight residential wells are contaminated with toxic volatile organic compounds (VOCs). Several VOCs were detected in the surface water samples from Hog Run Creek, a tributary of the Delaware River.	Construction is complete. DEP has taken over operation and maintenance of the groundwater remediation (pump and treat) system. DEP implemented a pilot study of in-situ bioremediation in Winter 2017/18 and is currently evaluating the results.
Dublin TCE	Responsible Party	SE	Bucks	144	10	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supplies were impacted.	A public waterline was extended to affected residences. An in-situ cleanup remedy failed at the site. EPA finalized an Explanation of Significant Differences to propose a pump and treat system in September 2015.
Fischer and Porter	Responsible Party	SE	Bucks	29	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and has affected public water supply wells in the area.	Construction is complete. The Responsible Party continues to operate a groundwater pump and treat system. DEP oversees the NPDES discharge from that treatment system.
Naval Air Development Center – Warminster	Responsible Party	SE	Bucks	29	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and perfluorinated chemicals (PFCs). Soils and sediments are contaminated with heavy metals.	Remedies for contaminated groundwater are operating properly and successfully. The US Navy placed a carbon treatment unit on the public supply wells that are impacted with PFCs. Homes with potable wells exceeding the Health Advisory Levels for PFCs are being connected to the public water supply. The US Navy initiated an investigation to further investigate the extent of PFC contamination at the Site.
Revere Chemical	Responsible Party	SE	Bucks	168	24	Site soils were contaminated with heavy metals, toxic volatile organic compounds (VOCs) and polycyclic aromatic hydrocarbons (PAHs). Shallow groundwater is contaminated with toxic VOCs. Perfluorinated chemicals (PFCs) were found in the surrounding area.	Construction is complete. Remedial action for soil contamination has been completed. The Responsible Party group continues long term monitoring of the Site. EPA sampled for PFCs as part of the 2016 five-year review and the results came back non-detect.
Watson Johnson Landfill	EPA Funded	SE	Bucks	145	24	Landfill soils contain toxic volatile organic compounds (VOCs), semi-VOCs, polychlorinated biphenyls (PCBs), and metals. Groundwater, surface water and sediments are impacted.	Public water was extended to affected residences. EPA has selected a final cleanup plan to cap the landfill and implement bioremediation to clean up the groundwater. Two Superfund State Contracts were signed in September 2014. Cap construction began 2017 and is currently underway.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Bruin Lagoon	State Funded O&M	NW	Butler	64	41	Lagoons were used for the disposal of sulfonated mineral oil production wastes, motor oil reclamation wastes, coal fines and other sludge residues.	Construction is complete. The Site has been deleted from the NPL. DEP is responsible for monitoring contaminated groundwater and maintaining a cap over the lagoon area until October 2020. The Annual Post Closure Monitoring Report is expected in early Summer 2018.
Tonolli Corporation	Responsible Party	NE	Carbon	122	14	Site soils, groundwater and the Nesquehoning Creek are contaminated with lead, cadmium and other heavy metals.	Construction is complete. The Responsible Party is conducting operation and maintenance of the landfill cap and semi-annual groundwater monitoring. There have been some unauthorized access issues on the site. The Five-Year-Review is being finalized.
Centre County Kepone	Responsible Party	NC	Centre	171	34	Soil, sediment, groundwater and surface water are contaminated with toxic volatile organic compounds (VOCs). Fish in Spring Creek were impacted. A portion of the Site has been deleted from the NPL.	Groundwater remediation (pump and treat) and soil remediation (vapor extraction) are ongoing. The Responsible Party and EPA continue to discuss the cleanup goals for the Site. A builder is interested in redeveloping the remediated parcel. EPA and DEP agree with the proposal. DEP will provide guidance to maintain protectiveness for the prospective business, builder, and consumers.
AIW Frank/Mid-County Mustang	State Funded O&M	SE	Chester	167	19	Site groundwater is contaminated with toxic volatile organic compounds (VOCs). Contaminated groundwater has spread beyond the property boundaries, affecting private drinking water supply wells.	In June 2017, EPA issued a Record of Decision amendment which replaced the pump and treat remedy with In-situ Chemical Oxidation and Bioremediation and revised the contaminants of concern. DEP conducts operation and maintenance activities. DEP and EPA are working to place an Environmental Covenant on the property.
Blosenski Landfill	Responsible Party	SE	Chester	26	44	Groundwater and surface water contain toxic volatile organic compounds (VOCs) and heavy metals.	A public waterline was installed to provide clean drinking water for residents. The pump and treat system has been shut down while EPA evaluates the usefulness. To date, 9 wells have been successfully abandoned and the Responsible Party is still working to gain access to the additional monitoring well locations to proceed with abandonment. Institutional controls will be enforced through an Environmental Covenant.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Footo Mineral	Responsible Party	SE	Chester	167	19	Contaminants of concern include lithium, boron, chromium and toxic volatile organic compounds (VOCs) and are in the soil and groundwater. Some on-Site soil is slightly radioactive.	A public waterline was installed to service impacted homes. In-situ solidification of the quarry waste and on-site disposal is complete. Long term monitoring of the impacted groundwater shows decreasing concentrations, indicating that the remedy is working. The Responsible Party continues to collect annual groundwater and surface water samples. An Environmental Covenant was recorded on the property in September 2017.
Kimberton TCE	Responsible Party	SE	Chester	155	44	The groundwater is contaminated with toxic volatile organic compounds (VOCs). A tributary to French Creek was also contaminated with VOCs.	The responsible party continues to operate a groundwater treatment system. In 2017, EPA modified the Record of Decision to include the proposed institutional controls and to replace the previous natural background performance standards with the current cleanup standards.
Malvern TCE	Responsible Party	SE	Chester	167	19	The groundwater and soil are contaminated with toxic volatile organic compounds (VOCs). Contaminated groundwater has affected area residential wells.	Construction of a waterline extension, soil vapor extraction system, and groundwater pump and treat system was completed. Additional monitoring wells are being incorporated into the sampling routine to delineate the plume and complete the conceptual site model.
Old Wilmington Road	EPA Funded	SE	Chester	26	44	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and manganese. Private drinking wells have been impacted.	Carbon filtration systems were provided for residences with contaminated wells. EPA installed monitoring wells in 2016 to fully delineate the plume and evaluate remediation strategies. The wells will be monitored on a regular basis, and EPA is reaching out to property owners on the existing plume to arrange sampling.
Paoli Rail Yard	Responsible Party	SE	Chester	167	26	Soil, groundwater and surface water sediments are contaminated with polychlorinated biphenyls (PCBs).	Construction is complete. Operation and maintenance of the soil cap and surface water control features are ongoing. The third 5-year review was conducted in Spring 2016. Increasing PCB concentrations in some monitoring wells on Site were noted.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Strasburg Landfill	State Funded O&M	SE	Chester	158	19, 9	The Site was contaminated with toxic volatile organic compounds (VOCs) and metals.	In January 2018, DEP finalized a consent agreement with the property owner to perform operation and maintenance tasks. Continued maintenance is expected to be conducted on the passive leachate discharge system. DEP is working with EPA to delist the Site from the NPL.
Welsh Road	EPA Funded and Responsible Party	SE	Chester	26	44	Soils and groundwater are contaminated with toxic volatile organic compounds (VOCs) and metals. Private wells were impacted.	Construction is complete. The Responsible Parties (RPs) installed a cap over contaminated soils and a public waterline to affected residences. The RP Group conducts operations and maintenance activities, including groundwater sampling and landfill gas monitoring.
William Dick Lagoons	Responsible Party	SE	Chester	26	44	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs). Soils also contain pesticides.	A waterline was extended to affected residences. A preliminary vapor intrusion study indicated no threats. A pump and treat system is in operation, but doesn't capture the entire plume. In April 2018, the Responsible Party submitted a memo in support of a feasibility study for Operable Unit 4 (groundwater). This document is being reviewed by EPA and DEP.
Jackson Ceramix	EPA Funded	NC/NW	Clearfield, Jefferson	75, 66	25	Wetland soils are contaminated with lead sludge waste.	EPA is conducting further Site Investigation and Feasibility Study to identify a cleanup remedy. The Final Remedial Investigation Report was submitted in December 2017.
Drake Chemical	EPA Funded and Responsible Party	NC	Clinton	76	25	Soils and groundwater are contaminated with toxic volatile organic compounds (VOCs) and semi-VOCs.	Construction is complete. EPA completed remediation of contaminated soil (incineration). The Responsible Party continues to monitor and treat groundwater contamination. EPA issued an Explanation of Significant Differences in August 2016 to modify the remedy. The five-year review was initiated in April 2018.
Safety Light	EPA Funded	NC	Columbia	109	27	Activities at the Site have resulted in radioactive contamination of soil, surface water, sediment and ground water. The Site owner is financially unable to complete the remedial actions.	EPA used the Removal Program to demolish contaminated buildings in 2014. EPA's Remedial Program completed cleanup of the buildings in 2015. Groundwater is still being evaluated. EPA continues to address further soil and surface water contamination in and around the former canal area.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Saegertown Industrial Site Area	Responsible Party	NW	Crawford	6	50	Groundwater is contaminated with toxic volatile organic compounds (VOCs) from previous industrial activities.	The Responsible Party (RP) is conducting in-situ biological oxidation to remediate the groundwater. The RP will abandon the injection wells used for molasses injections and discontinue monitoring and operation of the groundwater treatment system at nearby residential wells.
Naval Support Activity Site (Navy Ship Parts Control Center)	Responsible Party (US Military)	SC	Cumberland	87	31	Groundwater is contaminated with heavy metals and polycyclic aromatic hydrocarbons (PAHs). Soils contain heavy metals and toxic volatile organic compounds (VOCs) and sediments contain metals and polychlorinated biphenyls (PCBs).	The Site has been broken down into several operable units to facilitate remediation. Removal and remedial actions are ongoing.
Middletown Airfield	Responsible Party	SC	Dauphin	106	48	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs).	Current Site conditions remain protective. Firefighting foam constituents have been found in area groundwater. The Responsible Party conducted a drinking water pilot study with two types of granular activated carbon treatments to treat the additional contamination in 2016/2017. EPA's fifth five-year review was completed in July 2017.
Havertown PCP Site	State Funded O&M	SE	Delaware	166, 163	17	Area groundwater is contaminated with pentachlorophenol. Non-aqueous phase compounds and oil are present and discharge into Naylor's Run.	DEP finished making payments to EPA for the State's share of remedial action costs. DEP took over operation and maintenance of the groundwater remediation (pump and treat) system in June 2013. DEP is conducting a pilot test to remove the pre-treatment system from the treatment system.
Lower Darby Creek	EPA Funded and Responsible Party	SE	Delaware, Philadelphia	162, 191	8	Area groundwater and seeps are contaminated with metals, polychlorinated biphenyls (PCBs), and petroleum by-products. Contamination is seeping into Darby Creek.	EPA issued a Record of Decision for Clearview Landfill in 2014, selecting an evapotranspiration cover as the remedy. EPA has started the Remedial Design which is expected to be completed in 2018. The responsible party group is also developing the Remedial Investigation and Feasibility Study for Folcroft Landfill.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Metro Container	EPA Funded and Responsible Party	SE	Delaware	159	9	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), metals and polycyclic aromatic hydrocarbons (PAHs).	The responsible parties continue the Focused Remedial Investigation field work. Monitoring wells were installed, surface water and sediment sampling occurred in nearby Stoney Creek, and efforts to characterize a tar-like substance identified on an adjacent railroad property were completed.
Wade Dump	State Funded O&M	SE	Delaware	159	9	Direct contact threats associated with soil exposure have been eliminated by the construction of the asphalt parking area. Groundwater is not used in the area.	The Site has been deleted from the NPL. DEP is monitoring contaminated groundwater and maintaining the soil cap. In January 2018, EPA consented to DEP's request to abandon all wells on Site. Work is scheduled for Fall of 2018. EPA plans to complete a five-year review in Summer 2018.
Lord-Shope Landfill	Responsible Party	NW	Erie	17	49	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and heavy metals.	The Responsible Party continues to operate and maintain the groundwater pump and treat system in conjunction with an in-situ vapor stripping and thermal treatment system. The heavy snowfall of winter 17/18 damaged the vapor recovery system. The system was repaired and a new gravel bed for support was installed to prevent future collapses.
Millcreek Dump Site	State Funded O&M	NW	Erie	3	49	Groundwater is highly contaminated with toxic volatile organic compounds (VOCs).	DEP is operating the groundwater treatment system. With the addition of two extraction wells, the 2017 VOC mass recovery experienced at the plant was the highest total since 2008. Construction began for the Township's Millcreek Golf & Learning Center reconfiguration project.
Letterkenny Property Disposal Office Area	Responsible Party (US Military)	SC	Franklin	89, 90	33	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs). Site soils contain toxic VOCs and heavy metals. Residential wells could be threatened.	The Site has been broken down into several operable units to facilitate remediation. OU-2 is evaluating natural attenuation parameters to verify that the plume is not migrating off-site. The Proposed Remedial Action Plan for OU-4, OU-6 and OU-8 was finalized in May 2016 and the revised Record of Decision was submitted in April 2018. OU-5 is complete and a Remedial Action Completion Report was submitted in August 2016.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Letterkenny Southeastern Area	Responsible Party (US Military)	SC	Franklin	89, 90	33	Groundwater and Site soils are contaminated with toxic volatile organic compounds (VOCs). Residential wells are potentially affected.	The site has been broken down into several operable units to facilitate remediation. The final Record of Decision (ROD) was issued in November 2017 and new injection wells were installed for OU-3, OU-6, and OU-11. The Army is preparing a ROD for OU5. Injection wells for in-situ bioremediation were installed in September 2017 and baseline groundwater sampling occurred for OU-09. The draft Annual monitoring report was submitted for review in February 2018 for OU-10. The ROD for OU-11 was approved in March 2017. A landfill cap is in place and annual operation and maintenance is ongoing for OU-12. DEP concurred with the ROD in March 2016 for OU-14. The final Focused Feasibility Study was submitted in September 2017 for OU-15. Installation of two vapor intrusion mitigation systems occurred in May 2018 and the 3 <sup>rd</sup> system is on-hold since the house is temporarily unoccupied for OU-16.
Aladdin Plating	Responsible Party	NE	Lackawanna	114, 113	22	Groundwater was contaminated with chromium and other metals and threatened local water supplies.	Construction is complete. The Site has been deleted from the NPL. Nearby home wells were sampled and results were non-detect for Site contaminants. EPA would like to transition the site from a Removal to a Remedial Action, however, DEP does not concur. DEP conducted numerous Site visits in 2017 and 2018.
Lackawanna Refuse	State Funded O&M	NE	Lackawanna	114	22	On-Site ground water was contaminated with nitrate, heavy metals, and toxic volatile organic compounds (VOCs). Off-Site ground water was contaminated with the pesticide dieldrin.	DEP turned over operation and maintenance (O&M) responsibilities to the property owner. Groundwater sampling will be conducted in the Summer of 2018. The site O&M Plan has been updated and upon approval by EPA, sampling will be conducted every five years instead of annually.
Lehigh Electric	State Funded O&M	NE	Lackawanna	114	22	Site soils contain polychlorinated biphenyls (PCBs) and trichlorobenzene contamination.	Construction is complete. The Site has been deleted from the NPL. DEP is maintaining the soil cap and monitoring contaminated groundwater.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Taylor Borough Dump	Responsible Party	NE	Lackawanna	114	22	Soils and groundwater are contaminated with toxic volatile organic compounds (VOCs) and heavy metals.	The Site has been deleted from the NPL. The city of Scranton is conducting operation and maintenance of the Site. DEP continues to monitor Site security.
Berkley Products Landfill	State Funded O&M	SC	Lancaster	37	36	Groundwater is contaminated with low levels of toxic volatile organic compounds (VOCs) and heavy metals.	EPA conducted extensive sampling of the monitoring well network in Summer 2016 and Spring 2017 to address 1,4-dioxane and metals in the groundwater and surface water. EPA has tentative plans to build a small groundwater treatment plant to treat 1,4-dioxane contamination. EPA installed a new treatment system on the residential well that was most impacted. DEP is responsible for maintaining the landfill cap.
Elizabethtown Landfill	Responsible Party	SC	Lancaster	98	36	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and contamination seeps into the Conoy Creek.	Construction of the soil cap and gas extraction system is complete. Wells were installed to better delineate the impacted groundwater plume and for placing extraction wells in the landfill's source areas. Following well sampling, additional remedial efforts will be scheduled. A Focused Feasibility Study is underway and the Five-Year Review will be done in 2018.
UGI Columbia	Responsible Party	SC	Lancaster	98	36	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Site soils and sediments in the Susquehanna River are contaminated with coal tar.	Construction is complete. Construction of the soil cap system is completed and contaminated river sediments have been removed. The Responsible Party continues to monitor contaminated groundwater. DEP issued a letter of concurrence regarding EPA's Explanation of Significant Differences for the Technical Impracticability Waiver Zone in April 2018.
Whitmoyer Laboratories	Responsible Party	SC	Lebanon	102	48	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs) and arsenic.	Construction of a soil capping system is completed and protected by institutional controls. A groundwater extraction and treatment system is currently operating. Elevated arsenic levels were recently detected in Tulpehocken Creek sediment samples and this issue will be investigated further. EPA and DEP approved the Township's plan for a walking trail with two bridges across the creek.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Dorney Road Landfill	Responsible Party	NE	Lehigh	187	16	Site soils are contaminated with heavy metals and the groundwater is contaminated with toxic volatile organic compounds (VOCs). Groundwater contamination has migrated from the Site into residential wells.	DEP received the draft Final Close-Out Report from EPA in December 2017. EPA wants to de-list the site. DEP received the Notice of Intent to Delete and the Notice of Deletion in March 2018. DEP sent a concurrence letter to EPA in March 2018. The final Five-Year-Review was received in April 2018.
Heleva Landfill	EPA Funded and Responsible Party	NE	Lehigh	187	16	Groundwater is contaminated with trichloroethylene (TCE) and has affected a nearby municipal water supply well.	DEP received the Final Five-Year-Review in September 2017. The annual well sampling event occurred in September 2017. The Groundwater Fate and Transport Modeling Technical Report was finalized in January 2018. A new extraction well is currently being constructed.
Novak Landfill	Responsible Party	NE	Lehigh	183	16	Leachate and groundwater are contaminated with toxic volatile organic compounds (VOCs) and heavy metals. Residential wells were impacted.	The Responsible Party (RP) Group continues operation and monitoring activities at the Site. EPA wants the RPs to consider replanting the cover to meet specifications. The Annual Groundwater Monitoring Report was submitted in April 2018.
Rodale Manufacturing	Responsible Party	NE	Lehigh	131	18	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and has migrated off-Site.	A groundwater pump and treat system is being maintained by the Responsible Party. The sampling frequency was approved by DEP to decrease from monthly to quarterly. The five-year review was conducted in November 2017. DEP received the 2017 Annual Groundwater Monitoring Report in March 2018.
Butler Mine Tunnel	Responsible Party	NE	Luzerne	118	14	Area groundwater and surface water are contaminated with semi-volatile organic compounds (SVOCs) and petroleum hydrocarbons.	The Responsible Parties continued operation and maintenance of the remedy until June 6, 2017 when the Consent Decree expired. A final site inspection occurred on September 15, 2017 and EPA signed the Certificate of Completion on November 9, 2017. No further DEP work is planned.
C&D Recycling	Responsible Party	NE	Luzerne	119	14	Heavy metals were found in on-Site and off-Site soils which potentially threaten local drinking water supplies.	The revised Final Report was received in October 2016. EPA removed the site from the NPL on February 26, 2018.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Foster Wheeler Church Road TCE Site	Responsible Party	NE	Luzerne	119	20	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells were impacted and have been permanently replaced.	EPA has proposed the Site for the NPL. Baseline Ecological Risk Assessment studies began in June 2017. A focused vapor intrusion study was initiated in April 2018. EPA sent the final Feasibility Study Report in May 2018.
Valmont TCE Site	EPA Funded	NE	Luzerne	119, 116	14	Groundwater in the area is contaminated with trichloroethylene (TCE). Five area residences have toxic volatile organic compounds (VOCs) in the indoor air above the acceptable human health risk based levels.	EPA is evaluating options for treatment of the highly contaminated shallow groundwater under the building. The residential sub slab depressurization systems were checked during August 2017 for proper function and operation. Some items being discussed include: future remedial options, potential additional areas of impact or sources, data gaps in the conceptual model, and transitioning project activities from EPA to DEP.
Avco (Textron) Lycoming	Responsible Party	NC	Lycoming	83	23	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and chromium and impacts a municipal supply well.	A pump and treat system was installed to treat contaminated groundwater and has been operating successfully. Vapor intrusion mitigation systems were installed in 2 residences next to the facility. EPA is drafting an Environmental Covenant to place use restrictions on the property. The fourth Five-year Review was conducted in April 2017 and EPA drafted the report.
Sharon Steel	EPA Funded	NW	Mercer	7	50	Groundwater contains elevated levels of metals. Site wetlands and the tributary from the wetlands to the Shenango River also show metals contamination.	EPA is implementing a remedial action at the Site. The action consists of installing a cap over waste piles. The Operable Unit-2 Interim Remedial Actions began in December 2016, with significant progress being made in 2017 and 2018.
Westinghouse Sharon	Responsible Party	NW	Mercer	7	50	Soil, sediment, and groundwater were contaminated with toxic volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), and metals.	The Responsible Party is currently operating and maintaining the Site. In 2015, fish tissue samples found significantly higher concentrations of PCBs in smallmouth bass than previous sampling events (2005, 2010). A storm sewer repair work plan was implemented in May 2017, along with an addendum implemented in early 2018. A "DO NOT EAT" advisory for all fish species caught in the Shenango River in Mercer and Lawrence Counties was released in August 2017.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Jacks Creek	Responsible Party	SC	Mifflin	171, 82	34	Site soils and sediments in Jack's Creek are contaminated with heavy metals and polychlorinated biphenyls (PCBs). Fish are affected.	Construction is complete. Soils and wastes were treated and placed in a capped landfill on site. Groundwater monitoring is ongoing. Sampling of the site stream sediments was completed in May 2018.
Brodhead Creek MGP	EPA Funded and Responsible Party	NE	Monroe	115	40	Groundwater, surface water and soils were contaminated with coal tar.	Construction is complete. Groundwater sampling is ongoing. The first round of pore sampling was conducted by the Responsible Party (RP) in October 2016. EPA commented on the 2016 monitoring report. The RP will update the sampling and analysis plan based on the EPA comments.
Butz Landfill	State Funded O&M	NE	Monroe	176	40	Activities at the Site have resulted in high levels of toxic volatile organic compounds (VOCs) in domestic wells south of the landfill.	DEP took over operation of the groundwater remediation (pump and treat) system in October 2011. An Environmental Covenant was signed in 2015. A portion of the site was sold and DEP received some cost recovery. In February 2017, Capture Zone Analysis was conducted and the sampling and analysis plan was updated. Sampling and maintenance occurred in 2017 and 2018.
Tobyhanna Army Depot	Responsible Party	NE	Monroe	115	22	Residential wells are contaminated with organic solvents, primarily trichloroethylene (TCE) and tetrachloroethylene (PCE).	Affected residences are receiving public water. The Annual Report was received in June 2017. The final Remedial Investigation was accepted in July 2017 and the Feasibility Study is being developed. The final Five-Year-Review was received in November 2017.
Ambler Asbestos	Responsible Party	SE	Montgomery	148	12	Soils are contaminated with asbestos waste.	Construction is complete. The Responsible Parties (RPs) are maintaining the Site. Notices of Violation have been issued to the RPs for actions violating the institutional controls at the Site. DEP is working to enforce the consent agreement with the RPs. The property owner's Draft Fill Removal Plan was approved by DEP in January 2018.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Baghurst Alley	EPA Funded	SE	Montgomery	147	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	EPA is working with the local government and the Water Authority to extend the municipal waterline. Passive soil gas sampling confirmed findings of DEP's source area investigation and identified a small hotspot area. EPA is currently performing limited soil investigation and hopes to use this information to develop a site remediation strategy.
BoRit Asbestos	EPA Funded	SE	Montgomery	151, 148	12, 7, 17	The Site was contaminated with asbestos and asbestos-containing materials.	In 2017, EPA completed a Removal Action. The SSC for remedial activities for Operable Unit-1 was executed in September 2017. Stream banks along the Rose Valley and Wissahickon Creeks were stabilized, and both the Pile and Park parcels were capped. The reservoir was drained so its berms could be reinforced and its bottom relined; it was refilled after this work was completed. EPA is conducting post-Removal Action confirmatory sampling.
Commodore Semiconductor	Responsible Party	SE	Montgomery	150	44	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and freon and has affected area residential wells.	Construction is complete. Operation and maintenance of the groundwater recovery and treatment system is ongoing. During the last two years, the pump and treat system has been transitioning to reduced-activity status.
Crater Resources	Responsible Party	SE	Montgomery	149	17	Soil and groundwater are contaminated with volatile organic compounds (VOCs) and semi-VOCs.	A developer's request to change the Record of Decision (ROD) to allow for residential redevelopment of two parts on the Site was approved. EPA finalized an Explanation of Significant Differences which changes the performance standards in the ROD to allow for residential uses and requires Vapor Intrusion assessment be conducted prior to any construction. The developer's plan is to complete construction of the permanent cap when the residential complex is built.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Henderson Road	Responsible Party	SE	Montgomery	149	17	Groundwater and the Upper Merion reservoir are contaminated with toxic volatile organic compounds (VOCs).	The Responsible Parties (RPs) have installed a cap and leachate collection system at the landfill, on-site groundwater and vapor extraction systems, and a treatment plant to address the contaminated water and vapor concerns. The last Five-Year Review was conducted in 2018. The RPs are conducting a Focused Feasibility study to determine the most effective way to clean up the remainder of the contamination.
Moyer Landfill	State Funded O&M	SE	Montgomery	150	44	Leachate from the Site contains trichloroethylene (TCE) and nickel.	DEP continues to inspect the Site on a regular basis and reports the monthly leachate discharge totals to the local sewer authority. DEP conducted routine cleanout of built up sediments within the well vaults and made some repairs on the leachate collection system. EPA completed the third Five-Year Review in June 2017 and determined that the remedy continues to be protective.
Naval Air Station Joint Reserve Base, Willow Grove	Responsible Party	SE	Montgomery	151	12	Drinking water supply wells are contaminated with toxic volatile organic compounds (VOCs) and perfluorinated chemicals (PFCs).	Remedial activities are ongoing at multiple areas on the base. The US Navy is connecting affected homes to public water and placing treatment on the contaminated public supply wells. The US Navy is preparing to conduct a time-critical removal action to remove an area of PFC contaminated soil in Summer of 2018.
North Penn 1	State Funded O&M	SE	Montgomery	53	12	The ground water is contaminated with toxic volatile organic compounds (VOCs).	Construction is complete for the removal and off-Site disposal of contaminated soil and for the groundwater treatment system. DEP is operating the groundwater remediation (pump and treat) system.
North Penn 2	Responsible Party	SE	Montgomery	53	12	Wetland soils and surface water sediments are contaminated with heavy metals. Groundwater is contaminated with trichloroethylene (TCE). Potential perfluorinated chemicals (PFCs) contamination.	TCE levels continue to decrease in the groundwater with continued use of the groundwater extraction system. EPA's five-year review in May 2017 recommended assessment of vapor intrusion pathway and analysis of groundwater samples for PFCs. The Responsible Party's sub slab vapor sampling revealed high concentration of TCE under an occupied building which prompted the design and testing of a vapor mitigation system. PFC sampling is under preparation.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
North Penn 5	EPA Funded & Responsible Party	SE	Montgomery, Bucks	151, 144	10, 12	Site groundwater is contaminated with trichloroethylene (TCE). Contamination has affected one of the North Penn Water Authority production wells.	The Site has been broken down into operable units to facilitate remediation. OUI: The Pre-Remedial Design Investigation (PRDI) Work Plan was approved in October 2017. The Responsible Party (RP) completed preliminary work related to the PRDI and will be drilling additional investigation wells in the Summer of 2018. OU2: Elevated concentrations of TCE within the building are being investigated. Under a Unilateral Administrative Order, the RP submitted a Remedial Investigation and Feasibility Study of the bedrock aquifer in February 2018. OU3: EPA is conducting a pilot study to test the effectiveness of chemical oxidation per the 2004 Record of Decision.
North Penn 6	EPA Funded & State Funded O&M	SE	Montgomery	53	24	Site groundwater is contaminated with toxic volatile organic compounds (VOCs). Contamination has affected several of the North Penn Water Authority production wells.	DEP is making payments to EPA for the State's share of remedial action costs. DEP took over 4 of the pump and treat systems. DEP is anticipating taking over the last system in 2022.
North Penn 7	Responsible Party & EPA Funded	SE	Montgomery	61	12	Site groundwater is contaminated with toxic volatile organic compounds (VOCs). Contamination has affected several of the North Penn Water Authority production wells.	EPA removed areas of soil contamination. EPA issued a No Action Proposed Remedial Action Plan in Fall 2016 for vapor intrusion at the Site based on no risk being found in samples collected between 2011 and 2014.
North Penn 12	Responsible Party	SE	Montgomery	70	44	Groundwater in the area is contaminated with toxic volatile organic compounds (VOCs).	Construction is complete. The Responsible Party is maintaining the groundwater treatment plant. They also conducted an in-situ chemical oxidation pilot study implemented in early 2016. The effects of the pilot study remain under evaluation.
Occidental Chemical	Responsible Party	SE	Montgomery	146	44	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs).	The Responsible Party (RP) is operating the groundwater remediation system. In August 2017 the RP submitted a Capture Zone Analysis for the Site and determined that the groundwater system needs to be further optimized for better performance and that additional soil vapor extraction wells may be necessary to achieve remedial goals at the Site.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Raymark NPL Site	State Funded O&M	SE	Montgomery	152	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Contaminated groundwater has migrated off-Site.	The property owner is maintaining the lagoon caps. DEP took over the groundwater remediation (pump & treat) system. EPA is expanding a vapor intrusion study and installed 10 new shallow monitoring wells at the Site. EPA has identified 3 properties that require the installation of sub-slab depressurization systems.
Salford Quarry	EPA Funded & Responsible Party	SE	Montgomery	147	24	Residential wells are contaminated with boron.	All residences with impacted or threatened wells have been connected to the public water supply. In early 2018, EPA installed additional monitoring wells on site. EPA is planning to use the data collected from the new wells to revise the remedy for the landfill portion of the site to more accurately reflect current site conditions.
Stanley Kessler	Responsible Party	SE	Montgomery	149	17	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs).	Construction is complete. The existing pump and treat system is successfully removing VOCs from captured groundwater. A vapor intrusion building inspection was completed in March 2015 and several gaps/cracks were sealed. A capture zone analysis was completed in May 2015 and no further action is required.
Tank Car Corporation of America	EPA Funded	SE	Montgomery	154	4	Soil is contaminated with polycyclic aromatic hydrocarbons (PAHs) and heavy metals.	EPA conducted a removal action as well as a consolidation/capping action. Actions were taken under the Removal Program. EPA and DEP are working with the Township to redevelop the Site into recreational fields. The Township showed interest in working with DEP to remediate the Site through a Prospective Purchaser Agreement under Act 2.
Tyson's Dump	Responsible Party	SE	Montgomery	149	17	Soils and groundwater are contaminated with toxic volatile organic compounds (VOCs). The Schuylkill River is impacted.	An investigation into the effectiveness of the pump and treatment system was initiated in 2016. The neighboring property, which contains multiple monitoring wells used to characterize the Tyson's Dump plume, has recently been purchased by a developer who may potentially take it through the Act 2 process.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
MW Manufacturing	Responsible Party	NC	Montour	107	27	Soil and groundwater are contaminated with chlorinated solvents.	Construction is complete. Contaminated soil and wastes were remediated. A groundwater pump and treat system was constructed and continues to operate successfully. Monthly discharge monitoring reports are submitted showing no impact from the discharged water.
Hellertown Mfg. Site	State Funded O&M	NE	Northampton	136	18	Groundwater is contaminated with trichloroethylene (TCE), which has migrated off-Site toward the nearby Saucon Creek.	DEP forwarded the final Optimization report to the property owner in November 2017. Semi-annual groundwater monitoring occurred in 2017. In both events, two of the 22 wells sampled had a TCE concentration greater than or equal to the cleanup standard. Ongoing discussions are occurring among all parties to redevelop the site. The first 2018 semi-annual monitoring event occurred in May with only 5 wells being sampled per the optimization study.
Industrial Lane	Responsible Party	NE	Northampton	136	18	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Several private water supply wells have been impacted.	Construction is complete. Waterlines have been installed to replace impacted wells. The waste disposal area has been capped. A groundwater remediation system was installed and continues to operate. The Five-Year-Review meeting was held in October 2017. The focus of the meeting was to discuss delisting the Site from the NPL.
Enterprise Avenue Landfill	Responsible Party	SE	Philadelphia	186	1	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs) and metals.	The city of Philadelphia operates a pump and treat system at the Site. The Responsible Party initiated an in-situ anaerobic bioremediation pilot study, which is nearing completion. The One-Year Summary Report showed substantial reduction for 3 contaminants with mixed results for 2 contaminants. Soil sampling to investigate a possible source is planned for 2018.
Franklin Slag Pile	EPA Funded	SE	Philadelphia	186	1	Slag piles contain various heavy metals, including lead, beryllium and copper.	EPA has proposed a remedy to construct a cap and monitor the groundwater. DEP has not concurred with the proposed Record of Decision. EPA continues to look at remedial alternatives.
Metal Bank	Responsible Party	SE	Philadelphia	173	5	Groundwater, soils and Delaware River sediments are contaminated with polychlorinated biphenyls (PCBs).	The 2017 Long-Term Monitoring plan reaffirmed that bioaccumulation studies and sediment sampling in the Delaware River continue to be performed. EPA plans to complete the second Five-Year Review by August 2018.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
State Road Metal Bank	EPA Funded	SE	Philadelphia	173	5	Soil is contaminated with polychlorinated biphenyls (PCBs).	Under an agreement with EPA, PennDOT performed remedial activities and received reimbursement from a trust fund established by a court order. PennDOT completed all work at the site, including sewer lining and waste disposal in October 2015. Under a settlement agreement between the Responsible Party Group and EPA, the remaining removal action components were completed in October 2016.
Eastern Diversified Metals (EDM)	Responsible Party	NE	Schuylkill	124	29	Waste piles and sediments contain heavy metals, polychlorinated biphenyls (PCBs) and toxic volatile organic compounds (VOCs).	The responsible parties (RPs) continue to perform operation and maintenance of the treatment plant. The Five-Year-Review was completed in February 2018. The RPs submitted the 2017 Annual Inspection/ Maintenance/ Monitoring Report in May 2018.
McAdoo Associates	Responsible Party	NE	Schuylkill	124	29	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs) and heavy metals.	Construction is complete. Contaminated soils were removed from the Site. The Responsible Party continues to monitor groundwater. Annual sampling of the groundwater takes place in May.
Allied Signal (former Bendix Flight Systems)	Responsible Party	NE	Susquehanna	111	23	Groundwater, surface water and some private wells are contaminated with toxic volatile organic compounds (VOCs).	Construction is complete. Remediation of contaminated groundwater (pump and treat) is ongoing. The Supplemental Remedial Investigation/Focused Feasibility Study Work Plan was finalized in September 2017. The 5 <sup>th</sup> Five-Year-Review was signed by EPA in July 2017. Honeywell provided a revised schedule of activities for the calendar year in May 2018.
AMP Glen Rock	Responsible Party	SC	York	169	28	Groundwater, surface water and soils are contaminated with toxic volatile organic compounds (VOCs).	Construction is complete. Operation and maintenance of the groundwater treatment system (pump and treat) is ongoing. The Responsible Party continues to monitor and evaluate the plume and treatment system. DEP will work with EPA to determine the current status of the site and potential future use.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
East Mt. Zion Landfill	State Funded O&M	SC	York	47	48	The groundwater is contaminated with toxic volatile organic compounds (VOCs). Residential wells show no signs of contamination, and the majority of residents are on public water.	DEP is responsible for maintaining the landfill cap and monitoring groundwater contamination. Ongoing methane gas monitoring occurs quarterly and groundwater wells are sampled for VOCs annually. Two wells were sampled for manganese and one showed exceedance of the cleanup standards. DEP is working with EPA regarding recommendations and conclusions in the Five-Year Report.
Modern Sanitation Landfill	Responsible Party	SC	York	94	28	Groundwater, surface water and soils are contaminated with toxic volatile organic compounds (VOCs). Contamination impacts area residential wells.	A landfill cap system and fencing were installed. Ongoing activities include surface water and groundwater sampling, landfill gas monitoring, and groundwater pump and treatment of the waste water. The next Five-Year Review is scheduled for 2020.
Old City of York Landfill	Responsible Party	SC	York	93	28	Groundwater and domestic wells were contaminated with toxic volatile organic compounds (VOCs). Surface water contains heavy metals.	Groundwater contamination is being monitored and land use controls are in place. Under the operation and maintenance program the following are completed quarterly; sediment thickness measurements; inspections and calibrations of combustible gas monitors; inspections of monitoring wells, fencing, landfill cover/vegetation, passive gas vents, and the leachate sediment collection vaults/distribution box. Rerouting of seeps to prevent migration of iron into the unnamed tributary and the creek occurred in June 2017.
York County Landfill	Responsible Party	SC	York	93	28	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	The Responsible Party continues to operate and maintain a groundwater pump and treat system. The fourth five-year review was completed in August 2017. It was determined that, for the remedy to be protective in the long-term, sampling for 1,4-dioxane should occur to confirm its presence and that an evaluation of existing data should be used to determine if manganese detected in a few of the residential properties is site related.

**Abbreviations, Terms:**

- Lead Agency: The entity that is performing the response actions. This could be EPA, DEP or the responsible parties (e.g. property owner, operator of facility, generators of waste disposed) as defined under federal law.
- DEP Region: DEP has six regional offices that directly oversee response actions: SE - Southeast, NE - Northeast, SC - South-central, NC - North-central, SW - Southwest, NW - Northwest. See DEP website for locations and phone numbers.
- NPL: “National Priorities List” – A list of sites in the nation maintained by EPA. EPA scores threats posed by the release of hazardous substances and then proposes sites for the list. After a public comment period, EPA declares the site in final status and proceeds to investigate, develop and implement cleanup plans. Sites are deleted when remediation goals and standards in the cleanup plan are achieved; however, many sites require long-term monitoring and other actions to maintain the standard.
- Construction Complete: A stage of the project when remedial systems and controls have been installed or are operating that address all threats posed by contamination at the site. However, the cleanup plan goals and standards have not been achieved; for instance, concentration of contaminants in the groundwater may still be higher than those levels determined to be safe for unrestricted use.
- O&M: “Operation and Maintenance” – Actions required to maintain a response action or to operate a remedial system that has been constructed. For instance, groundwater “pump and treat” may be designed to operate for more than 30 years before groundwater contamination levels meet remediation goals. Landfill or contaminated soil covers need to be maintained in perpetuity.
- Land Use Controls: Environmental covenants and deed restrictions placed on property to prevent contact with contamination that is left at the site.