Appendix D

Pennsylvania Sites on the Federal National Priorities List

Sites are listed alphabetically by County.

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 at epa.gov.

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. Historical groundwater quality data is being analyzed to determine its effectiveness.
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, which suggest containment of the impacted groundwater plume. No off-site residential wells are impacted.
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 conducted the third Five-Year review in 2018. In July 2018, the Explanation of Significant Differences was finalized to place institutional controls on all areas where the groundwater contamination plume has extended.
Westinghouse Elevator	Responsible Party	SC	Adams	91	33	Groundwater and surface water are contaminated with trichloroethylene (TCE).	In 2018, the Responsible Parties (RPs) submitted a scope of work for a pilot study on in-situ chemical oxidation injections in the source area. In October 2018, EPA approved reduction of some sampling wells. In February 2018, the RPs submitted an addendum to the 2015 Vapor Intrusion Report, finding that although TCE was still detected in the indoor air, it was at lower levels and risks were within acceptable ranges.
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 pilot study was extended until 2020. A 5-year EPA Site review was received by DEP in May 2019 which identified the need for further vapor intrusion investigations. Groundwater treatment is ongoing. The responsible parties installed additional wells to help characterize the extent of the plume and the potential for vapor intrusion.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Lindane Dump	Responsible Party	SW	Allegheny	33	38	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. The fourth, five-year review was conducted in April 2018, no issues of concern were found.
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	NW	Armstrong	63	41	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 the necessary operation and maintenance activities. EPA finalized the fifth five-year review in March 2019. This Site and other sites in Armstrong County are now under the Northwest Regional Office jurisdiction.
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 remediated by the Responsible Parties. A new, uncontaminated public well and water distribution system have been developed. Vapor intrusion has been evaluated and one mitigation unit was installed. The vapor intrusion proposed Remedial Action Plan is being prepared for public review and comment.
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 landfill cap and leachate collection system. Joint periodic EPA-DEP site inspections are conducted.

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.	In 2011, it was determined that the groundwater remediation system showed signs of decreased efficiency and was taken off-line due to damage incurred after several lightning strikes. DEP has since conducted pilot studies of in-situ bioremediation/in-situ chemical reduction, which is a newer technology that injects reducing agents to help change the contaminants into less toxic forms and bioremediation that uses naturally-occurring bacteria to break down contaminants. Concentrations of the groundwater contamination are declining, the plume is contained to the Site property and reducing in size, there is no current exposure pathways to contamination, and institutional controls are in place.
Brown's Battery Breaking	Responsible Party	SC	Berks	124	29	Groundwater is contaminated with lead.	Contaminated soils have been remediated. Groundwater remediation is ongoing. A Site operation and maintenance inspection was completed in November 2018 and no major issues were observed. EPA and DEP agreed with the Responsible Party's recommendation for conducting a second alkalinity injection event followed by groundwater monitoring later in 2019.
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. In November 2018, a meeting was held to discuss various Site issues and future DEP responsibilities when the long-term remedial action period ends. In early 2019, EPA inspected the vapor intrusion systems and found several problems. EPA's contractor is scheduled to make the repairs.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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. EPA issued the 4th Five-Year Review Report in September 2018, which concluded the groundwater extraction and treatment remedy is protective of human health and the environment. Exposure pathways that could result in unacceptable risks are being controlled. The groundwater remedy is effective in reducing contaminant concentrations and all groundwater with concentrations in excess of cleanup levels is hydraulically contained. The groundwater remedy is making demonstrable progress towards achieving cleanup levels; however, contaminants remain in groundwater at concentrations above cleanup levels.
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 conducted a five-year review meeting in June 2018 and the landfill cap appeared to be in good shape. Light non-aqueous phase liquid continues to accumulate in a monitoring well cluster and EPA is considering options for remedial efforts at this cluster. EPA plans to transfer the project to DEP for long term operation and maintenance activities.
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.	The Site soils and stream sediment remediation was started in October 2018 and was completed in April 2019. DEP conducted numerous Site inspections and meetings during the remediation. A final Site remediation report is expected in summer 2019.
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. Monitoring of the site groundwater is ongoing. EPA is evaluating potential remedies for groundwater at the Site and a draft proposed plan should be ready in Summer 2019.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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. The Groundwater Vertical Delineation Investigation Report submitted to EPA and DEP was finalized. Extraction and monitoring wells are being sampled. Groundwater sample schedules range for quarterly to every three years. EPA and DEP plan to meet in Summer 2019 to discuss the Site and ongoing concerns.
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 was completed with no significant problems or deficiencies. During the 2018/19 winter, trucking of leachate occurred due to unusually heavy precipitation.
Boarhead Farms	Responsible Party	SE	Bucks	143	10	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and 1,4-Dioxane. Wetlands, ponds and a small unnamed tributary to the Delaware River are affected by contaminated groundwater.	A mitigation system has been installed at an onsite residence to address vapor intrusion (VI). In 2017, DEP entered into an agreement with the Responsible Parties (RPs) to resolve the group's liability for past DEP costs incurred at the Site. DEP reserved the right to request reimbursement from the RPs for future costs associated with DEP's continuing oversight of the long-term remedy implementation. In September 2018, DEP concurred with the Explanation of Significant Difference (ESD) issued by EPA. The ESD added 1,4-dioxane to the list of contaminants of concern, created a cumulative risk-based cleanup standard for groundwater, and added certain specific land use restrictions.
Chem Fab	EPA Funded	SE	Bucks	143	10	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and inorganic compounds. Contaminated groundwater threatens to impact nearby public water supply wells.	In 2017, EPA issued a Record of Decision for a groundwater extraction and treatment system (GWETS) as an interim remedy for Operable Unit 2. In April 2019, EPA submitted the 90% Design of the GWETS, which is currently under review.

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 trichloroethylene (TCE). Several VOCs were detected in the surface water samples from Hog Run Creek, a tributary of the Delaware River.	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. The pilot study was successful in reducing the concentrations of VOCs at the Site. DEP currently performs semi-annual sampling of the monitoring wells to assess the long-term impact of the injections on the VOC concentrations in groundwater.
Dublin TCE	Responsible Party	SE	Bucks	144	10	Groundwater is contaminated with trichloroethylene (TCE). Private water supplies were impacted.	A public waterline was extended to affected residences. EPA is currently working with the Responsible Party (RP) and Dublin Borough to design and implement the pump and treat remedy. The RP is currently investigating the vapor intrusion pathway. Between 2014 and 2016, 20 homes and businesses were sampled. No risk from vapor intrusion was identified in the residential area. As of January 2018, additional sampling is necessary to assess the seasonal variability of the potential vapor intrusion and confirm that there are no current human exposures.
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. The next five-year review is scheduled for 2019.
Naval Air Development Center – Warminster	Responsible Party	SE	Bucks	29	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and Per- and Polyfluoroalkyl Substances (PFAS). Soils and sediments are contaminated with heavy metals.	As of January 2019, 363 private drinking water wells have been sampled by the Navy for PFAS. 73 were found to exceed the USEPA Health Advisory Level (HAL) (>70 ppt). The Navy is connecting homes with potable wells exceeding the HAL to the public water supply system. The Navy has initiated a Remedial Investigation (RI) to further investigate the extent of PFAS contamination at the Site. The draft Phase I RI report is anticipated in Summer 2019. Further investigation, known as Phase II, is expected to be initiated later in 2019 and will focus on potential source areas.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Revere Chemical	Responsible Party	SE	Bucks	143	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.	Remedial action for soil contamination has been completed. The Responsible Party group continues long term monitoring of the Site. EPA sampled for PFAS as part of the 2016 five-year review and the results came back non-detect. Groundwater monitoring will occur in 2019 before the next five-year review that will be conducted in 2020.
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 selected a final cleanup plan to cap the landfill and implement bioremediation to clean up the groundwater. Capping of the landfill was completed in February 2019 and will prevent direct contact and infiltration of precipitation through the landfill. EPA will monitor revegetation and handle operations and maintenance (O&M) of the landfill remedy for one year. DEP will then perform O&M. Institutional controls will be implemented through Environmental Covenants (ECs).
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 was finalized in March 2019.
Tonolli Corporation	Responsible Party	NE	Carbon	122	14	Site soils, groundwater and the Nesquehoning Creek are contaminated with lead, cadmium and other heavy metals.	The Responsible Party (RP) is conducting operation and maintenance of the landfill cap and semi-annual groundwater monitoring. In September 2018, EPA approved the RP's leachate recovery plan. The RP's continue to monitor the increased rate of leachate recovery from the west cell of the closed landfill. The RP's submitted the 2018 Drone Survey Findings summary, which found only minor subsidence of the landfill cap.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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. The Site would require institutional and engineering controls. At EPA's request, a deep monitoring well was installed and an additional monitoring well in disrepair was restored in Spring 2019.
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 2018, DEP finalized a Perspective Purchaser Agreement Amendment with the current property owner to reference the significant changes made by EPA in its Record of Decision Amendment. A new State Superfund Contract to outline DEP's operation and maintenance obligations under the revised remedy was finalized. EPA is funding the initial design, injections and groundwater monitoring associated with the In-Situ Chemical Oxidation (ISCO) and bioremediation. In the Spring of 2019, EPA completed the installation of additional injection wells across the Site. The current property owner has proposed redevelopment projects for the Site. EPA and DEP are currently 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 remained shut down since 2010, pending the results of a rebound test and pilot study of bioremediation. Injections were completed in 2017 at 3 locations around the landfill. The Responsible Party (RP) has collected quarterly groundwater data and is evaluating the effectiveness of the injections. In 2018, the RP abandoned 15 monitoring wells that were no longer needed at the Site. Institutional controls will be enforced through an Environmental Covenant. The second five-year review was completed in September 2018.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Foote 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 serve 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. The next five-year review is scheduled for September 2019.
Kimberton TCE	Responsible Party	SE	Chester	155	44	Groundwater is contaminated with trichloroethylene (TCE). A tributary to French Creek was also contaminated with VOCs.	The Responsible Party continues to operate a groundwater treatment system. A 2017 Explanation of Significant Differences modified Institutional Controls in the Record of Decision for operable unit 2 (OU2) related to vapor intrusion (VI) mitigation and to maintain protection of the soil caps and protection of components of the groundwater extraction and treatment system. VI mitigation systems have been installed at two locations. EPA conducted a five-year review in February 2019.
Malvern TCE	Responsible Party	SE	Chester	167	19	Groundwater and soil are contaminated with trichloroethylene (TCE). Contaminated groundwater has affected area residential wells.	Construction of the waterline extension was completed in 2000. The soil vapor extraction system has outlived its optimum efficiency and has been shut down. Accelerated in-situ bioremediation (AISB) has been operating at the Site since 2010. The Responsible Parties (RPs) modified the AISB system to achieve better contact with contaminants. The RPs have also proposed installing additional monitoring wells to better characterize the sources and extent of the groundwater contamination.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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 are monitored on a regular basis. EPA recently completed the sampling of local potable water wells. Results of this sampling found unsafe levels of manganese. EPA has been supplying bottled water to the impacted homes with the intention of installing filtration systems to address the issue.
Paoli Rail Yard	Responsible Party	SE	Chester	157, 167	19, 26	Soil, groundwater and surface water sediments are contaminated with polychlorinated biphenyls (PCBs).	Regularly scheduled monitoring and sampling of both the rail yard and non-rail yard properties continue as part of the operation and maintenance (O&M) activities. Stream monitoring and sediment removal occurs quarterly as part of routine O&M activities.
Strasburg Landfill	State Funded O&M	SE	Chester	158	19, 9	Site was contaminated with toxic volatile organic compounds (VOCs) and metals.	Under the Consent Order & Agreement, the current property owner continues to conduct routine Operations & Maintenance tasks at the Site. In March 2019, EPA issued the Final Closeout Report for the Site, and a draft Notice of Intent to Delist. In April 2019, DEP concurred with the delisting of the Site from the NPL. The next five-year review will be completed in the Fall of 2019.
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 does not 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.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Jackson Ceramix	EPA Funded	NC/NW	Clearfield, Jefferson	75, 66	25	Wetland soils are contaminated with lead sludge waste.	EPA conducted further Site Investigation and a Feasibility Study to identify a cleanup remedy. The Final Remedial Investigation Report was submitted in December 2017. The revised Treatability Study Report for Operable Unit 2 was submitted in March 2019.
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.	EPA completed remediation of contaminated soil (incineration). The Responsible Party continues to monitor and treat groundwater contamination. The five-year review was drafted in April 2018 and is in the process of being reviewed by all parties. Future Per- and Polyfluoroalkyl Substances (PFAS) sampling is being considered.
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. In 2018, the soils in and around the former canals and onsite dumps were excavated and delineated. EPA continues to address further soil and surface water contamination in and around the former canal area. Groundwater is still being evaluated. The next round of groundwater sampling and characterization is planned for the summer of 2019.
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 abandoned the injection wells used for molasses injections and discontinued monitoring and operation of the groundwater treatment system at nearby residential wells with EPA's approval. The RP began a five-year renovation of the facility.
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. In February 2019 the Naval Support Activity submitted a draft plan for In Situ Biogeochemical Transformation (ISBGT) application for OU-1.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Middletown Airfield	Responsible Party	SC	Dauphin	106	48	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). Perfluorooctanesulfonic acid (PFOS) contamination in the public water supply.	Current Site conditions remain protective of human health. 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 PFOS 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 Naylors Run.	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. In 2019, contaminated groundwater was found surfacing in several residential backyards and basements. In January/February 2019, DEP took samples. EPA's Removal program took over the investigation working to address the residential property groundwater issues.
Lower Darby Creek	EPA Funded and Responsible Party	SE	Delaware, Philadelphia	185, 191	1, 8	Area groundwater and seeps are contaminated with metals, volatile organic compounds (VOCs), 1-4 Dioxane, polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), and lead. Contamination is seeping into Darby Creek.	This Site is broken down into two Landfills/Operable Units (OUs). Clearview Landfill (OU1): In 2017, EPA initiated the components of the remedial action to address the remaining contaminated residential properties and permanent relocation of the on-site businesses. The remedial design for the OU1 remedy was completed in March 2019. The construction of the Evapotranspiration Cover commenced in Spring 2019. Folcroft Landfill (OU2): The Remedial Investigation was completed in May 2018.The Responsible Party group is expected to complete the Feasibility Study in 2019.

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. In the Summer of 2019 the Responsible Parties will submit results of their second characterization phase, which includes monitoring well installation/sampling, and surface water and sediment sampling in nearby Stoney Creek. EPA has requested a plan to characterize a tar-like substance identified on an adjacent railroad property.
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 2019. The five-year review for the Site was completed in September 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. All parties attended a Site inspection in May 2019 to perform EPA's five-year review. The report was finalized in September 2018.
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. The Township's Millcreek Golf & Learning Center reconfiguration project is partially complete; however, the future of the golf course is in question due to Erie International Airport runway expansion and acts of vandalism on the putting greens.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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. OU2 includes evaluating natural attenuation parameters to verify that the plume is not migrating off-site. OU5 is complete and a Remedial Action Completion Report was submitted in August 2016. The Record of Decision underwent multiple revisions and was finalized in November 2018. The selected remedy is land use controls for OU4, OU6, and OU8 and Engineering Controls for OU8.
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. Potential for lead contamination at the small arms firing range.	The Site has been broken down into several operable units to facilitate remediation. In Situ Chemical Oxidation injections began in April 2019 for OU3, OU6, and OU11. The OU5 Proposed Plan (PP) was finalized in October 2018 and the preferred alternative is Land Use and Engineering Controls. The OU8 annual vapor intrusion monitoring was conducted in February 2019. The Army submitted the OU9 pre-injection baseline groundwater report in Aril 2019. Annual OU10 groundwater sampling was not conducted in 2018 due to lack of low groundwater conditions. OU12 annual landfill cap operation and maintenance is ongoing. The OU15 PP was finalized in April 2019 and the preferred alternative is Land Use Controls with a vapor barrier/mitigation system, or an evaluation of the vapor intrusion potential will be conducted. The third OU16 vapor intrusion system was installed in August 2018 and a draft Focused Feasibility Study was submitted for regulatory review in April 2019. OU17 is for the small arms firing range on Site where lead is the potential primary concern. A draft Quality Assurance Project Plan was submitted for regulatory review in January 2019.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Aladdin Plating	Responsible Party	NE	Lackawanna	114, 113	22	Groundwater was contaminated with chromium and other metals and threatened local water supplies.	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. In November 2018, the five-year review inspection was conducted, and residential and monitoring wells were sampled. The five-year review draft report is being reviewed.
Lackawanna Refuse	State Funded O&M	NE	Lackawanna	114	22	On-Site groundwater 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. Reseeding was successful and groundwater sampling occurred in December 2018. EPA visited the Site in May 2019 for the five-year review. The Site will be placed on EPA's site reuse database.
Lehigh Electric	State Funded O&M	NE	Lackawanna	114	22	Site soils contain polychlorinated biphenyls (PCBs) and trichlorobenzene contamination.	The Site has been deleted from the NPL. DEP is maintaining the soil cap and monitoring contaminated groundwater. A perspective buyer contacted EPA and DEP regarding purchase of the Site for use as a river walk and boat launch as part of a recreation project.
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. A Site visit with EPA is scheduled for May 2019.
Berkley Products Landfill	State Funded O&M	SC	Lancaster	37	36	Groundwater is contaminated with low levels of toxic volatile organic compounds (VOCs), 1,4-dioxane 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.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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. Repairs were made to the asphalt area overlying the contaminated area to improve drainage. Wells were installed to better delineate the impacted groundwater plume and for placing extraction wells in the landfill's source areas. The current remedy consists of in-situ bioremediation alone or in conjunction with pump and treat.
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.	The Responsible Party continues to monitor contaminated groundwater. EPA submitted the 2018 Annual Sampling & Monitoring Report for the Site. The report concluded that the concentrations of the chemicals of concern detected in wells within the Technical Impracticability waiver zone are generally steady. The groundwater flow direction toward the Susquehanna River indicates that natural gradient flushing is occurring in accordance with the approved dissolved phase plume remedy.
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. In May 2019, seven wells were installed into overburden along Tulpehocken Creek to delineate the downgradient extent of impacted overburden groundwater and hydrologic attribute of the overburden.
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.	The final five-year review was received in April 2018. The Site is now delisted. Operation and maintenance activities continue. Residential and monitoring well sampling and landfill cap inspection are conducted on a quarterly basis.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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 continues to work with EPA and the Responsible Party on the Groundwater treatment system. A new extraction well and two new monitoring wells were added. Institutional controls will be added to the Site. The annual groundwater sampling event occurred in December 2018 and the Annual Extraction Report was receive in April 2019.
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. In December 2018, the Annual Landfill Gas Monitoring Report was submitted. One probe continues to exceed the LEL for methane. In March 2019, EPA sent a draft final close out report and DEP responded by questioning why EPA is deleting the Site. The Annual Groundwater Monitoring Report was submitted in April 2019.
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 draft Five-Year-Review was sent to DEP and comments were sent back to EPA in September 2018. DEP received the 2018 Annual Groundwater Monitoring Report in March 2019. The Draft PFAS sampling and analysis plan was emailed to DEP in May 2018 and comments were sent in June 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.	Responsible Party operation and maintenance of the remedy ceased in June 2017 when the Consent Decree expired. A final site inspection occurred, and EPA signed the Certificate of Completion in the Fall of 2017. DEP provided comments to EPA's draft Five-Year-Review. 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. No Further Work is planned.

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 trichloroethylene (TCE). Private water supply wells were impacted and have been permanently replaced.	EPA has proposed the Site for the National Priority List (NPL). DEP concurred with EPA's Record of Decision for the Interim Remedial Action in August 2018. The Groundwater Extraction and Treatment System (GETS) optimization is underway. EPA, DEP, and the Responsible Party are in negotiations for an Administrative Order for the Remedial Design.
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. Groundwater is contaminated with Per- and Polyfluoroalkyl Substances (PFAS).	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 2018 for proper function and operation. On May 2019 a meeting was held to discuss the proposed plan, the conceptual site model, and data gaps. Further PFAS and chlorinated solvent sampling is needed. This Site will need a Record of Decision amendment to address new contamination.
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 two 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 submitted the report.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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 broken down to Operable Unit (OU) 1 and 2. OU1: Beginning is October 2018 and continuing through February 2021, a U.S Army Corps of Engineers environmental contractor will construct a biosolids-enhanced cap, as well as erosion control measures, stream bank restoration, and construction of wetlands next to the Shenango River. OU2: The Responsible Party (RP) remedial actions began in 2016 and have continued to date. EPA does periodic inspections of the Site, including in April 2019, to determine the remaining work obligation under the Consent Decree.
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 (RP) is currently operating and maintaining the Site. In March 2019, the RP submitted the year fifteen groundwater report. A "DO NOT EAT" advisory for all fish species caught in the Shenango River in Mercer and Lawrence Counties was released in August 2017. Additional fish tissue sampling was conducted by DEP. The RP conducted additional sediment and Clark Street outfall storm sewer system sampling. DEP is working with EPA to determine additional steps needed.
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 2019.
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. Three rounds of pore water sampling have been conducted by the Responsible Party (RP). The five-year review is being finalized and discussions occurred for the placement of Environmental Covenants on properties where contamination still exists.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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 is currently in State Funded operation and maintenance of the groundwater remediation (pump and treat) system. Extraction well repairs and redevelopment occurred in 2018 and 2019. Quarterly influent and effluent sampling continues. A meeting was held with EPA in March 2019 to discuss further action on the Site.
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 final 2017 Annual Performance Evaluation report was received in May 2018. The Final Feasibility Studies were received in September and October 2018. Sampling for Per- and Polyfluoroalkyl Substances (PFAS) took place in December 2018.
Ambler Asbestos	Responsible Party	SE	Montgomery	148	12	Soils are contaminated with asbestos waste.	The Responsible Parties (RPs) are maintaining the Site under a Consent Decree until 2022. In January 2018, DEP approved the Final Fill Removal Plan. Due to weather delays and potential interference with the RPs repair construction, excavation did not begin until October 2018. During site preparations, the current owner's construction crew exposed asbestos-containing material that had been covered by the fill material. The project was halted, and DEP is in receipt of a revised Addendum to the Fill Removal Plan, which is expected to resolve the previous issues and allow the project to proceed.
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. The waterline extension has been delayed due to the discovery of a hard diabase bedrock outcrop along the proposed route. EPA gained access in May 2019 to perform additional characterization on an adjacent property to better characterize the source area identified in prior investigations. Additional groundwater and soil characterization information will be used to develop a Site remediation strategy.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
BoRit Asbestos	EPA Funded	SE	Montgomery	151, 148	12, 7, 17	Site was contaminated with asbestos and asbestos-containing materials.	In 2017, EPA completed a Removal Action. The Superfund State Contract for remedial activities for Operable Unit 1 was executed in September 2017. Construction of the remedy was completed in June 2018. Institutional controls are in place to prevent disturbance of the installed caps in place. Operation and Maintenance (O&M) responsibilities at the various parcels are being negotiated with the owners. DEP will perform O&M on the remaining parcel. DEP will participate in a Site inspection in June 2019 to determine if the Remedy can be considered Operational.
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 extraction and treatment system (GETS) is ongoing. During the recent years, the GETS has been transitioning to reduced-activity status. The Responsible Party is currently evaluating options to address EPA's concern of vertical migration of contaminants in a nearby impacted public water supply that has remained offline. The next five-year review is schedule for Fall 2019.
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. In May 2018, the developer entered into a Consent Decree (CD) with EPA to perform the capping work on Quarry 1. However, the developer changed direction on their plans and will now simply build the permanent cap. The CD requires this work to begin by June 1, 2019. DEP and EPA are currently reviewing the Responsible Parties Group's 2018 Monitored Natural Attenuation Annual Report.

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. Currently, the RPs are conducting an Enhanced In-Situ Bioremediation Pilot Study to determine the long-term effectiveness of the oxygen release compound socks. Routine sampling will be conducted over the next 2 years
Moyer Landfill	State Funded O&M	SE	Montgomery	150	44	Leachate from the Site contains trichloroethylene (TCE) and nickel.	In Fall 2018, DEP constructed and repaired surface drainage features throughout the Site. The repairs have greatly reduced the amount of erosion damage. In November 2018, after DEP conducted a video inspection of the leachate conveyance line, a portion of the line was replaced. DEP continues to inspect the Site on a regular basis and reports the monthly leachate discharge totals to the local sewer authority.
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 Per- and Polyfluoroalkyl Substances (PFAS).	The Site is broken down into 12 Operable Units (OUs). Anaerobic bioremediation for VOCs is on-going at OU5. As of March 2018, 650 private drinking water wells have been sampled by the Navy for PFAS. 169 were found to exceed the USEPA Health Advisory Level (HAL) (>70 ppt). A draft Remedial Investigation dated December 2018 is under review. US NAVY conducted a time-critical removal action to remove an area of PFAS contaminated soil at the Site in Winter 2018/2019. US NAVY is planning pilot studies for two groundwater extraction and treatment systems in 2019.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
North Penn 1	State Funded O&M	SE	Montgomery	53	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	In 2009, DEP took over operation and maintenance of the groundwater remedy. DEP samples the onsite monitoring wells semiannually and the discharge to the local Publicly Owned Treatment Works quarterly. The September 2018 five-year review concluded that the remedy continues to be protective of human health and the environment in the short term. Additional monitoring wells and a capture zone analysis are necessary to ensure that the groundwater remedy is protective in the long term.
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 Per- and Polyfluoroalkyl Substances (PFAS) contamination.	TCE levels continue to decrease in the groundwater with continued use of the groundwater extraction system. The Responsible Parties are currently preparing a plan to address vapor intrusion through mitigation of the existing manufacturing building. Sampling for PFAS was conducted in April 2019, and results are expected in June.
North Penn 5	EPA Funded & Responsible Party	SE	Montgomery, Bucks	53	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. OU1: The Responsible Party (RP) installed additional monitoring wells to aide in the investigation. OU2: In September 2018, the RP completed soil sampling to evaluate additional source areas. Semiannual sampling of Site wells was completed in May 2019. Indoor air and sub-slab sampling were performed in April 2019. Results indicated elevated concentrations of TCE within the building. The RP is currently evaluating the installation of a fresh air delivery system to mitigate the issue. OU3: Results of the entire monitoring well network indicated that the contaminants are still present in the groundwater, but the size and extent of the plume has decreased. The concentrations remain above cleanup levels. EPA is currently considering several different remedial alternatives to address the remaining portions of the contaminated plume.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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 currently performs Operation and Maintenance and groundwater monitoring at 4 of the 5 properties on Site. In 2017, a partial deletion of the Site was finalized, removing 6.5 acres. The current property owner plans to reuse the parcel for a residential development. An additional request for partial deletion dated March 2019 is under review. In September 2018, EPA issued an Amendment to the OU3 Record of Decision (ROD) replacing groundwater extraction and treatment with Enhanced Reductive Dechlorination (ERD) at the Central Sprinkler property. EPA is in the process of negotiating a Consent Decree with the Responsible Parties for the implementation of the ROD. EPA is currently evaluating vapor intrusion at multiple properties throughout the Site.
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 (PRAP) in Fall 2018 for vapor intrusion at the Site based on no risk being found in samples collected between 2011 and 2014. The results of a pilot study which occurred between 2013 and 2015 have been incorporated and evaluated as a remedial alternative in the Site's groundwater Feasibility Study, which is currently under review.
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 (ISCO) pilot study implemented in early 2016. Sampling revealed some decreases in VOCs within the study area, but also suggest that ISCO material migrated away from the treatment area. The configuration of the recirculation system has been adjusted to improve its effectiveness.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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 (system). In August 2018, the 2nd five-year review was completed. According to the review, the system is operating as designed and making progress toward achieving cleanup objectives. The cleanup of the earthen lagoons and drainage swale/sediment pond was completed effectively. In April 2019, the RP submitted a groundwater system Optimization Plan for better performance to achieve remedial goals. The revised plan calls for the installation of a new groundwater extraction well, discontinuation of other extraction wells, and the voluntary operation of the soil vapor extraction system. The plan is currently being reviewed by EPA.
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 expanded a vapor intrusion study and installed 10 new shallow monitoring wells at the Site. EPA identified 3 properties that required the installation of sub-slab depressurization systems; this work was accomplished by late 2018. EPA sampled for Per- and Polyfluoroalkyl Substances (PFAS) in Spring 2019, and detections were below the USEPA Health Advisory Level (HAL) (>70 ppt).
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. A February 2019 draft revised Feasibility Study is under review.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Stanley Kessler	Responsible Party	SE	Montgomery	149	17	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs).	The existing pump and treat system is successfully removing VOCs from captured groundwater. A deed restriction was recorded on the Site to prohibit the installation of new wells in the area of contamination. A five-year review inspection was conducted in May 2019. The report is due in August 2019.
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. The Township acquired the property in October 2015, with the intention of making it a park. In March 2017, DEP executed a Prospective Purchaser Agreement with the Township. A Notice of Intent to Remediate was received on May 2017. The Township has applied for an Industrial Sites Reuse Program (ISRP) grant. In May 2019, DEP disapproved the most recent submittal of an ISRP Work Plan. EPA also has initiated steps to evaluate all parties potentially responsible for the contamination at the Site.
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.	The Responsible Parties continue to operate and monitor the wet soil cover and the groundwater pump and treat system. Groundwater monitoring is conducted on a semiannual basis; the results continue to confirm the removal of contaminants by site environmental controls. EPA initiated a 5-year review of the Site in 2019.
MW Manufacturing	Responsible Party	NC	Montour	107	27	Soil and groundwater are contaminated with chlorinated solvents.	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.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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.	An agreement between DEP and the Responsible Party was submitted in August 2018. Semi-Annual groundwater monitoring conducted in December 2018 showed that two of the 15 wells have a TCE concentration greater than the cleanup standard. Ongoing discussions are occurring among all parties to redevelop the site. In March 2019, EPA sent notification of the commencement of the five-year review process.
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.	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 was approved in September 2018. The remedy continues to be protective.
Enterprise Avenue Landfill	Responsible Party	SE	Philadelphia	185	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 other contaminants. Soil sampling to investigate a possible source is planned for 2019.
Franklin Slag Pile	EPA Funded	SE	Philadelphia	177	5	Slag piles contain various heavy metals, including lead, beryllium and copper.	During late 2018 and early 2019, DEP had several discussions and meetings with EPA regarding EPA's Feasibility Study, which proposes Complete Removal, Onsite Treatment, and Offsite Disposal for the slag pile, and Limited Action, including annual groundwater monitoring for 5 years and institutional controls for the groundwater. EPA has indicated that there is a special account that has been established for this Site. A private remediation/development company has also approached EPA to perform the remediation.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Metal Bank	Responsible Party	SE	Philadelphia	173	5	Groundwater, soils and Delaware River sediments are contaminated with polychlorinated biphenyls (PCBs).	In Spring 2019, DEP participated in talks with EPA regarding EPA's desire to implement institutional controls for the three subaqueous caps that were placed over contaminated sediments in the Delaware River at the Site. The subaqueous caps lie on submerged lands owned by several parties, including the Commonwealth and the City of Philadelphia. EPA plans to request that riparian owners record environmental covenants for their affected submerged properties to prohibit interference with the caps. DEP suggested that EPA work with the Fish and Boat Commission's listing of navigation hazards that require maintenance.
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. Some issues have occurred with the treatment plant over the past year due to heavy rain, a lightning strike, and freezing temperatures. Necessary repairs have been made, however in April 2019 the RP notified EPA and DEP that there was a release of untreated water.
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. Discussions on the 2020 five-year review are underway for both OU1 and OU2.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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).	Remediation of contaminated groundwater (pump and treat) is ongoing. The Supplemental Remedial Investigation/Focused Feasibility Study Work is underway and additional well installations and construction were completed in August 2018. An interagency meeting and an all parties meeting took place in the spring of 2019. A work plan for additional investigation areas will be submitted early summer 2019.
AMP Glen Rock	Responsible Party	SC	York	169	28	Groundwater, surface water and soils are contaminated with toxic volatile organic compounds (VOCs).	In October 2015, EPA concurred with the conclusion of the Responsible Party's (RP) ground water study, which states that the constituents of concern have stabilized and do not impact groundwater quality downgradient of the Site and do not pose an exposure pathway to human and environmental receptors. EPA approved the RP's petition to revise the cleanup goals. In 2017, the RP recorded an environmental covenant on the Site that imposes institutional controls. EPA deemed the Site complete with controls. No further work is planned.
East Mt. Zion Landfill	State Funded O&M	SC	York	47	48	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. The grass reseeding effort that took place in 2016 was unsuccessful, weeds are dominate at the Site. In December 2018, DEP requested input from EPA on a second effort. The next reseeding effort is scheduled for 2020. In February 2019, DEP reviewed historical data and sent a request to EPA to reduce groundwater sampling from annually to every 3-5 years and eliminate quarterly gas sampling by using passive fans on top of gas vents. DEP is awaiting EPA's response.
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.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
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. Groundwater sampling is schedule for the summer of 2019. 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.
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.
Operable Unit:	"Operable Unit" - EPA frequently separates areas of contamination at sites into operable units (OU). This separates phases of work and allows more immediate threats to be addressed quicker.