

Appendix A

DEP Investigations, Cleanups and Monitoring Funded under HSCA

Site Name	Region	County	House	Senate	Threat	Status of Work
ADSCO	SC	Adams	193	33	Groundwater is contaminated with toxic volatile organic compounds (VOCs) from landfill leachate. Private water supply wells are impacted.	DEP is maintaining the residential water supply treatment system, the landfill cap, landfill methane control systems, and the landfill leachate collection and treatment system. DEP is conducting a hydrogeological review of the groundwater to determine the long-term effectiveness of the remedy.
Gettysburg Foundry	SC	Adams	91	33	Soil and groundwater are contaminated with salt and metals from the operation of this defunct metal smelting facility.	DEP has completed remedial actions at the Site and will periodically monitor groundwater to determine whether contamination levels are declining naturally. There has been some interest to use the property for a regional sewage treatment plant or a business park.
JC Cleaners	SC	Adams	91	33	Soil and groundwater are contaminated with toxic volatile organic compounds (VOCs). The contamination threatens a public water supply well.	DEP determined vapor intrusion into buildings is not an issue at the Site. The pump and treat system remains down since the catastrophic failure in August 2016. Ongoing monitoring of Municipal Well No. 6 shows no change in contamination levels. DEP will carry out indoor air quality monitoring during the winter months.
Keystone Metals Reduction	SW	Allegheny	33	38	Soils have been contaminated with radiation from past activities dating back to 1921.	DEP's plan was to tear down existing buildings, cap the Site with clean fill and acquire environmental covenants defining property restrictions. A business located on the property would have been temporarily relocated during the remediation of the Site and despite many attempts, the business owner has not given consent. DEP is re-evaluating potential remedial options.
Mazzaro-McKees Rocks Landfill	SW	Allegheny	45	42	Soils and groundwater have been contaminated with toxic volatile organic compounds (VOCs), metals, polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs).	The landfill gas venting pilot test was completed in 2016 and the Summary Report was received in March 2017. Based on this work, DEP has recommended the installation of a lateral trench system as a supplement to the existing vent system to control gas migration. The Analysis of Alternatives for the remediation is being drafted.
Natrona Heights Gas Odors	SW	Allegheny	33	38	New site under investigation due to gasoline odors.	DEP is developing a work plan for the investigation into a complaint of gasoline odors emanating from the sanitary sewer system. DEP is currently working on obtaining Site access.

Tri-State Petroleum Recovery	SW	Allegheny	45	42	Soils and groundwater are contaminated with toxic volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and heavy metals.	DEP completed an Interim Action at the Site. Wastes located in tanks, drums and other containers have been removed for proper disposal. The remaining contaminated soil was capped in Summer 2017. No further work is planned.
CBS-Vanport	SW	Beaver	15	47	Soils and Groundwater are contaminated with trichloroethylene (TCE). The contamination threatens the Vanport Township Municipal Authority public water system.	The Responsible Party stopped paying for the operation of air stripping towers at the Vanport Township Municipal Authority's (VTMA) water treatment plant. However, TCE contamination still exists in the aquifer. DEP issued a Statement of Decision for further investigation to evaluate the potential risk present at the VTMA's drinking water wells. Field work began in June 2018.
Fry Glass Dump	SW	Beaver	15	47	Soil is contaminated with lead and arsenic from an exposed glass dump on a steep ravine above a stream.	Due to their proximity, a landslide that occurred in December 2016, made it necessary to conduct remedial activities concurrently at this Site and the General Alloy Site. DEP stabilized the slope and relocated the tenant in the building threatened by the landslide. Waste and sediment were removed from McKinley Run in June 2018. No further work is planned.
General Alloy Casting Company	SW	Beaver	15	47	Exposed waste and seeps are contaminated with metals at this abandoned industrial waste disposal area in a steep ravine.	A landslide occurred in December 2016, which altered DEP's remediation plan. This Site was remediated concurrently with the adjacent Fry Glass Dump Site. With DEP's assistance, the on-site business was relocated. The existing building was razed and the slope was stabilized. Waste and sediment were removed from McKinley Run in June 2018. No further work is planned.
Kuhn's Landfill	SW	Beaver	14	47	Exposed unknown industrial waste and abandoned drums are present at this former landfill.	The Site Investigation is complete. DEP issued a Statement of Decision in June 2015. The gel-type waste will be removed and the remaining exposed waste will be covered. Remediation at the site is in progress.
LTV Benzol Tank Area	SW	Beaver	16	46	Groundwater and soils have been contaminated by toxic volatile organic compounds (VOCs).	Site Investigation activities began in 2015. High levels of benzene in wells and soil vapor monitoring points prompted the need to investigate the nearby residential neighborhood. DEP is currently negotiating access to the necessary residences.

Algonquin Chemical	SC	Berks	124	29	Groundwater and soils have been contaminated by toxic volatile organic compounds (VOCs).	DEP has completed response actions to address contaminated soils and groundwater. An Environmental Covenant will be placed on the property. Samples were collected from the wells in May 2018. Based on those results, DEP will either close the Site or consider additional remedial work.
DeMarco Landscaping	SC	Berks	130	44	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Several residential wells are impacted.	DEP conducted a Prompt Interim Response to address residential well contamination. A vapor intrusion study was conducted in Spring 2016 and no problems were observed. All affected residential water supply wells are now equipped with operable treatment systems. The possibility of extending an existing/nearby waterline to the impacted properties is currently being evaluated.
Five Locks Access Area	SC	Berks	124	29	Soil is contaminated with toxic inorganic substances. The Site is located along the Schuylkill River.	DEP removed contaminated soil and battery casings at the public access area of the river during Spring 2012. Vegetation has successfully re-established itself and no problems have been detected. Environmental Covenants were placed on two properties where battery casings were left in place. The Site is stable and no further work is planned.
Mt. Laurel Road Battery	SC	Berks	5	11	Soil is contaminated with lead from battery casings.	DEP completed response actions at the Site, including removal of 3,102 tons of contaminated soil. Environmental Covenants are being placed on properties where contamination remains above the cleanup standard.
Noll Lane Battery Casing	SC	Berks	130	11	Soil is contaminated with lead from battery casings.	DEP conducted an Interim Response at the Site. Contaminated soil excavation was completed in October 2017. The final landscaping work is scheduled for spring/summer 2018. Environmental Covenants will be placed on properties where contamination exists above the cleanup standard.
Northern Berks County Battery Casings	SC	Berks	5	11	Soil is contaminated with lead from battery casings at three separate properties on Site.	DEP completed the Site Investigation and three areas of contamination were found. Work will include a combination of soil excavation and soil capping to eliminate threats from the contamination. Work is expected to be complete in 2018.

Oreville Quarry	SC	Berks	134	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs) and soils are contaminated with toxic metals. Private water supply wells are impacted.	DEP completed response actions to limit contact with contamination at the Site. Contaminated soils were capped and treatment systems were installed on affected residential wells. Environmental Covenants will be placed on the properties. No further work is planned.
Reading Industrial Scrap (RISCO)	SC	Berks	126	11	Soil is contaminated with toxic metals.	DEP has completed response actions at the Site, including removal of exposed hazardous wastes and excavation or capping of contaminated soils. The required Environmental Covenant was recorded in March 2018.
Topton Site	SC	Berks	134, 187	11, 24	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	DEP is maintaining residential groundwater treatment systems. DEP conducted permanganate injections at the Site to clean the groundwater. Post injection groundwater samples were collected and lab results indicate modest VOC reductions.
Easton Road PFC	SE	Bucks	168, 29	10	Groundwater is contaminated with perfluorooctanoic acid (PFOA) and Perfluorooctane Sulfonate (PFOS).	The investigation was initiated in June 2016. DEP found 8 properties with exceedance of the Health Advisory Level of 70 ppt. DEP is supplying bottled water to 5 of these properties (3 properties elected to privately install a filtration system). DEP has collected samples from 320 properties. and installed 7 groundwater monitoring wells, which will be sampled quarterly. Data gathered will be used to determine a response action to provide an acceptable source of potable water to affected homes.
Furlong Manufacturing	SE	Bucks	168, 29	10	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	DEP completed soil remediation and is sampling and maintaining residential water treatment systems annually. In November 2017, DEP signed a grant agreement with Doylestown Township to fund a public waterline extension serving the property owners affected by the VOC contamination. Properties affected by the Vantor Manufacturing contamination are being connected as well. Construction is underway. DEP will continue to sample the monitoring wells to observe any potential changes in the plume.

Jacksonville TCE	SE	Bucks	178	6	The groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supplies are impacted.	DEP installed a waterline to 107 affected residences in 2013. Investigations continue to determine the source of the contamination and extent of the plume. In February 2017, DEP sent letters to the owners of the suspected source properties providing them with the opportunity to address the contamination through the PA Land Recycling and Cleanup Program (Act 2). One of the property owners has retained the services of an environmental consulting firm to further characterize the contamination on the property.
Nockamixon TCE	SE	Bucks	168	24	The groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supplies are impacted.	After discovery of the source areas, DEP initiated an investigation which revealed vapor intrusion impacting one home. A prompt interim response occurred in May 2018 to install a mitigation system in the home. DEP continues to address additional homes. In summer/fall 2018, additional investigation is planned to determine the full extent of soil contamination.
Perkasie Area TCE	SE	Bucks	145	10	Groundwater in the area is contaminated with trichloroethylene (TCE) from multiple sources. Vapor intrusion is the main pathway of concern.	DEP installed four bedrock monitoring wells in 2015 to help define the extent of contamination. Samples from one of the wells located on the former manufacturing facility have revealed a source of TCE within the bedrock. In November 2017, DEP learned that the property was sold without the buyer entering into a perspective purchaser agreement with DEP. DEP plans to issue an Administrative Order to compel the purchaser to enter the Act 2 program.
Plumstead Fire	SE	Bucks	168	10	Groundwater is contaminated with toxic metals resulting from a fire. Private wells are impacted.	DEP completed replacement of impacted water supplies and soil remediation at the Site. DEP signed an agreement with the Responsible Party (RP) for cost recovery. The RP submitted a Remedial Investigation Report and Cleanup Plan in October 2017. DEP approved the plan in May 2018.
Railroad Drive TCE	SE	Bucks	29, 178	6	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	DEP provided grant funding for the township to install a public waterline to affected residences. 49 properties were connected to the waterline, which was completed in June 2017. DEP continues to sample monitoring wells on an annual basis. DEP is working with the property owners with the highest level of VOC concentrations.

Rapid Circuits	SE	Bucks	29, 178	6	The building on this Site contained various hazardous chemicals including acids and copper sulfate. Storage of those chemicals was insufficient.	DEP removed liquid hazardous waste from the Site. In the fall of 2017, DEP learned that the Bucks County Redevelopment Authority (BCRDA) took the Site through a condemnation process. BCRDA is planning to pursue a Special Industrial Area (SIA) agreement with DEP after approval of a Baseline Environmental Report. No further work is planned.
Ridge Run PFAS	SE	Bucks	145	10	Groundwater is contaminated with perfluorooctanoic acid (PFOA) and Perfluorooctane Sulfonate (PFOS).	In 2016, two North Penn Water Authority wells were found to be contaminated with PFAS above the USEPA Health Advisory Level (HAL). 12 wells within a 1-mile radius were impacted by PFAS above the HAL. DEP is supplying bottled water to 9 properties and 3 treat the water through their own carbon filter. An AOA was signed in May 2018, selecting an interim response of carbon filtration units to be installed on affected properties.
Sellersville Landfill	SE	Bucks	145	10	Soils and groundwater are contaminated with radium 226 and trichloroethylene (TCE).	DEP conducted an Interim Response Action in 1997 to address radium soil contamination. TCE is now the primary contaminant of concern remaining at the Site. The Responsible Party (RP) and the Bucks County Redevelopment Authority (BCRDA) will be taking the Site through Act 2. BCRDA is currently characterizing TCE contamination at the Site, is planning to install additional monitoring wells, and excavate contaminated soils. DEP is overseeing the work.
Tamenend PCE	SE	Bucks	144	10	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water wells are impacted.	DEP completed an interim response action to provide treatment systems for private wells affected at the Site and continues investigation to determine the responsible party for the contamination. DEP is completing the residential well sampling program.

Vandor Manufacturing	SE	Bucks	168, 29	10	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	DEP continues to monitor and maintain residential water supply treatment systems installed as part of an Interim Response Action for the Site. DEP is developing a plan for in-situ treatment to address high levels of VOCs in one of the Site monitoring wells. The Vandor Site has been combined with the Furlong Manufacturing site due to proximity and all affected properties will be connected to the public waterline as part of the Furlong Manufacturing grant. Future updates will be combined with the Furlong Site.
Bear Creek Chemical Site	NW	Butler, Armstrong	11, 63, 64	41	Groundwater and soils are contaminated with resorcinol and sulfonic acids. Private water wells and a public water system were impacted. Contamination has been detected in streams throughout the disposal area.	Operation and maintenance activities are planned for the summer of 2018 at the Kelley Farm and Apple Road Sites. No additional remediation work is planned at this time. Cost recovery from responsible parties and settlement options are currently being evaluated.
Franklin Glass	NW	Butler	11	21	Residential and recreation area soils are contaminated with arsenic from a glass manufacturing facility.	DEP completed an interim response to address contamination in the stream in September 2013. DEP continues to monitor the Site for vegetation and erosion issues.
Shaler JTC	NW	Butler	64	41	Soils and groundwater are contaminated with toxic volatile organic compounds (VOCs) and metals.	DEP previously completed soil and waste remedial actions and is now monitoring the remaining contaminated groundwater at the Site and determining the effectiveness of the remedy.
Quehanna Wild Area Waste Dump Sites	NC	Cameron, Clearfield, Elk	67, 73, 75	35, 25	Low-level radiological wastes were disposed of in the Wild Area.	DEP installed monitoring wells, is investigating groundwater contamination and is evaluating the data.
Phillipsburg Rod and Gun Club (PRGC)	NC	Centre	202	34	Groundwater, surface water and soils are contaminated with toxic metals.	DEP initiated a soil remediation at the Site by clearing the Site to allow for recovery and treatment of the most contaminated soils. The concentrations in the soil and shallow groundwater exceed the residential statewide health standards for lead. DEP is awaiting word that the PRGC and DCNR have reached an agreement before proceeding with remediation.

Quality Service Cleaners	SE	Chester	13	19	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). A private well and municipal supply well are affected.	DEP permanently replaced impacted water supplies which include a private well and municipal supply well. DEP completed soil excavation under a Prompt Interim Response in 2016. DEP is currently conducting quarterly groundwater monitoring at the Site. VOC concentrations in groundwater appear to have declined due to DEP's soil remediation efforts. DEP plans to turn the monitoring wells over to the property owner. During the winter of 2017, DEP collected indoor air samples from 3 nearby homes and no properties were determined to be impacted by vapor intrusion. Additional sampling is planned during the next heating season.
Griffin Property Home Heating Oil (HHO) Release	NC	Clinton	76	25	The soil and groundwater are contaminated with home heating oil.	In July 2016, a supply line from an aboveground HHO storage tank in the garage of this residential property is believed to have leaked underground, resulting in HHO in a high-quality stream and saturated soil immediately adjacent to the Griffin residence. An Emergency 501(g) HSCA response occurred. Soil excavation was conducted on three properties along the stream bank and restoration was completed. The interceptor trench was completed and vacuum extraction is expected to occur in late summer 2018. Indoor air risk assessment is scheduled to be completed in Fall 2018.
Karnish Industries	NC	Clinton	76	25	The soil is contaminated with radiological materials from the prior use of the Site as a radium paint instrument repair facility.	Construction of a new apartment building was completed in November 2017, and the tenants were moved in by late December 2017. Demolition of the original apartment building was completed in May 2018, and removal of the concrete slab allowing excavation of the contaminated soil underneath is expected to occur in Mid-June 2018. Restoration of the site will include backfill and seeding.
Lock Haven Laundry	NC	Clinton	76	25	The soil and groundwater are contaminated with toxic volatile organic compounds (VOCs).	There is evidence that the contaminant plume is migrating. Therefore, DEP began additional site characterization in October 2017. Additional monitoring wells with co-located soil gas points were installed and sampled. Groundwater sampling also occurred. Results of sampling indicated detections of VOCs. Additional sampling and evaluation is planned.

Schiller Site	NW	Crawford	6	50	The soil and groundwater are contaminated with toxic volatile organic compounds (VOCs) and metals.	DEP previously completed soil and groundwater remedial actions and continues to monitor treatment systems installed on private residential wells. The property was purchased and a consent order & agreement was signed to settle DEP's lien on the property. DEP continues to monitor the effectiveness of remedial actions.
Allen Road	SC	Cumberland	193, 199	31, 30	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supplies are impacted.	DEP completed the investigation, installed residential water treatment systems and turned the systems over to the homeowners. DEP abandoned all monitoring wells except one that remains for the property owner. Environmental Covenants will be placed on the properties. DEP determined that a public meeting is necessary for this site.
Ridgway Borough Municipal Landfill	NW	Elk	75	25	The soil and groundwater are contaminated with toxic volatile organic compounds (VOCs) and metals.	DEP removed drummed wastes and associated contaminated soils in Winter 2014. DEP held a meeting in June 2018 with representatives from the Responsible Parties to discuss further remedial actions to close out the landfill.
Currie Landfill	NW	Erie	3	49	Soils, groundwater and surface water are contaminated with toxic volatile organic compounds (VOCs).	DEP completed a Remedial Action at the Site. Consolidation of wastes and cleanup of the stream was completed in October 2013. The Site was turned over to the Millcreek Youth Athletic Association for use as athletic fields. DEP is working with the Township to address the UPS property that has not been properly characterized. The Department is currently conducting annual groundwater sampling on the Site.
Filmore	NW	Erie	3	49	Soils, groundwater and surface water are contaminated with metals.	DEP completed site cleanup. Contaminated soil was excavated, isolated, and covered with two feet of clean soil and vegetation. DEP installed one additional monitoring well and completed groundwater sampling in the Summer of 2017. Property maintenance and groundwater monitoring is ongoing.
Lake City VOC	NW	Erie	17	49	Groundwater is contaminated with trichloroethylene (TCE). Public water supply wells are potentially threatened.	DEP is conducting an investigation of the Site. Findings from the characterization activities indicate the TCE plume continues to expand vertically and horizontally to the northwest. DEP is evaluating the recommendation to conduct indoor air sampling to determine if the nearby residents are impacted.

Presque Isle Chemical	NW	Erie	3	50	The soils and groundwater are contaminated with toxic volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs) from a defunct waste processing operation. Private water supplies were impacted.	DEP completed remedial actions for the soil and groundwater contamination. DEP is operating the groundwater remediation system. Monitoring wells are sampled annually. DEP conducted indoor air and sump water sampling for a nearby residence in March 2016. Results of the sampling show contamination below cleanup standards. Another residence received the same sampling in May 2018 and results are pending.
Tomstown TCE	SC	Franklin	90	33	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	DEP issued a grant to Quincy Township to design and install a public water supply system at the Site. The distribution system and connections were completed in December 2016. DEP will monitor the groundwater plume and well abandonment is planned for Summer 2018.
Waynesboro TCE	SC	Franklin	90	33	The groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). Private water supplies wells are impacted.	DEP finalized a grant agreement with Washington Township in April 2017 to extend a waterline to the affected properties. The waterline extension was completed and all affected residence are connected to borough's public water supply. Repaving of roads is anticipated to be completed by Fall 2018.
Punxsutawney Groundwater	NW	Jefferson	66	25	Soils and groundwater are contaminated with volatile organic compounds (VOCs), toxic metals and cyanide from prior electroplating activities.	DEP installed indoor air systems at two homes in 2009 and completed the demolition of the building and remediation of contaminated soil at the Site. Due to the ongoing presence of the contaminated plume, DEP is conducting a vapor intrusion study, which began in May 2018.
Marjol Battery	NE	Lackawanna	112	22	The facility is contaminated with lead and other toxic metals from prior waste disposal practices.	The facility is under federal hazardous waste corrective action. DEP provided oversight of the final action at the Site. Wastes were consolidated and capped on-site. DEP conducted the annual cap inspection in November 2017 and found the Site in good condition. DEP continues to monitor the Site on a regular basis.
Torch Lumber Mill	NE	Lackawanna	114	22	Site is contaminated with creosote and other wood preservative materials from previous operations.	DEP completed removal of contaminated soils in 2015. DEP is currently conducting site characterization activities to delineate the extent of contamination. DEP also began attempts for cost recovery from the Responsible Party (RP).

Winship Road	NE	Lackawanna	118	22	Groundwater is contaminated with toxic volatile organic compounds (VOCs) from illegal waste disposal.	DEP completed response actions, which included removal of wastes and contaminated soil and installation of residential water supply treatment systems. DEP is currently monitoring and maintaining the residential treatment systems.
Berkley Products Plant	SC	Lancaster	43	36	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). The contamination has caused indoor air in nearby residences to be contaminated above health-based levels. Contaminated groundwater is discharging to a nearby stream.	The initial round of full scale In-Situ Chemical Oxidation injections to remediate groundwater was completed in April 2018. Follow-up sampling to determine the efficiency of the injection event will be conducted in summer 2018. After review of the data, it will be determined whether to proceed with further injections.
Conestoga Pines Park	SC	Lancaster	96	13	Groundwater and surface water are contaminated with toxic volatile organic compounds (VOCs).	DEP finished final design of the VOC mitigation device to address contamination in the stream. Installation of the stream aeration system was completed in April 2014 and every 4 months operations and maintenance are being conducted by DEP.
Intercourse TCE Site	SC	Lancaster	100	13	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	DEP will provide a public water supply for the town of Intercourse. The first contract to install the distribution piping was completed in January 2018 ahead of schedule and under budget. The second contract for the treatment plant, water tower, and service connections is underway and expected to continue through May 2020.
Raymark Lower Mill Landfill	SC	Lancaster	37	36	Waste contains toxic metals and asbestos.	DEP completed waste removal and grading and capping of the landfill in 2005. DEP continues to monitor and maintain the landfill cap.
Remacor	NW	Lawrence	10	47	The Site is contaminated with flammable materials, toxic metals and radiological materials.	EPA completed an emergency waste removal in 2005 and a smaller removal action in 2009. In February 2018, an Analysis of Alternatives was issued for an interim response to include building demolition planned for the Summer of 2018. Building material will be separated by type and measured for radioactivity for proper treatment and disposal.

High Quality Plating	NE	Lehigh	131	16	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	DEP completed facility demolition and contaminated soil removal in 2002. In-situ groundwater treatment began in 2006 and is ongoing. DEP is monitoring and maintaining the residential water supply treatment system and is monitoring the effects of the injections and recirculation on groundwater quality.
Mid Atlantic Coast Delivery	NE	Luzerne	119	14	Soils and groundwater are contaminated with metals, toxic volatile organic compounds (VOCs) and polychlorinated biphenyls (PCBs).	DEP sampled the groundwater and soils and found metals in the soils above cleanup levels. DEP is evaluating its remediation options at the Site. The property was purchased at a sheriff's sale in 2015. A meeting was held in March 2017 with the new property owner to discuss the site requirements. The owner did not submit a work plan after numerous requests from DEP. DEP issued an order in May 2018.
TP Corporation	NE	Luzerne	118	22	Site contains wastes from an abandoned paint/coating facility.	DEP removed wastes from the Site and initiated further investigation. DEP is proposing deed restrictions or Environmental Covenants for areas with remaining contamination. DEP is working with the Township to address redevelopment of the Site. The public hearing to discuss the Analysis of Alternatives was held in May 2017. The Statement of Decision was signed in August 2017.
Valley View Wood Products	NE	Luzerne	116	27	Abandoned demolition waste contains lead. Soils are contaminated with lead.	DEP has drafted an Analysis of Alternatives. The proposed response recommends an alternative that will remove and dispose of waste drums, and consolidate wood chips, timbers and mulch on site. An environmental covenant will be placed on the Site.
Rose Valley Lake TCE	NC	Lycoming	84	23	Groundwater is contaminated with trichloroethylene (TCE).	In October 2017, TCE was detected during a baseline routine gas company sampling event. 24 additional homes were sampled and six were found to contain TCE above the Statewide Health Standard. Bottled water was provided to affected homes until water supply treatment systems could be installed in May 2018. Further investigation is planned.
C.G. Wood	NW	Mercer	17	50	Groundwater is contaminated with toxic volatile organic compounds (VOCs).	DEP completed facility demolition and contaminated soil removal. In 2005, DEP entered into a consent order & agreement with the current owner that places limitations on the Site.

						Groundwater, surface water and sediment contamination remains at the site. DEP has been performing operation and maintenance activities since 2012.
Yuhas Dump	NE	Monroe	176	40	There are abandoned drums and containers with unknown contents on-Site. Soils, surface water and potentially groundwater are contaminated with toxic metals and volatile organic compounds (VOCs). Waste materials are encroaching on the stream.	The Phase 1 Prompt Interim Response was completed in 2008. The Phase 2 Interim Response is complete. The response included relocating a portion of the stream away from the toe of the waste pile, stabilizing the waste pile by constructing a mechanically stabilized earthen wall, and grading, covering and vegetating the waste pile material.
Alderfer Landfill	SE	Montgomery	53	12	The Site is contaminated with toxic volatile organic compounds (VOCs), including radiological materials.	DEP completed an Interim Response to cap the Site, installed stone-filled wire gabions along the creek, and created two vaults on-site for the relocation of radioactive thorium-232. DEP is maintaining the landfill cap and monitoring the groundwater to gain further understanding of the nature of the radioactive contamination. Discussions are ongoing to address recent property ownership changes and legal issues at the Site. A 512 Order was placed on the property in 2018, which is currently being appealed.
Botany PCE	SE	Montgomery	152	12	Groundwater and soil are potentially contaminated with toxic volatile organic compounds (VOCs).	DEP completed investigations at the Site. Contamination has not migrated off the dry cleaner property. The property owner signed an environmental covenant restricting groundwater use and requiring future owners to perform a vapor intrusion assessment after the redevelopment of the property. No further work is planned.
Boyertown Landfill	SE	Montgomery	147	24	Methane from the abandoned landfill threatens to migrate off-Site and impact nearby residences.	DEP is maintaining the methane extraction system installed in October 2003. The Responsible Party Group has installed wells to address data gaps in the monitoring well network and is developing a final plan for closure and long-term operation and maintenance of the Site.

Cook Technologies	SE	Montgomery	147	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs), including tetrachloroethylene (PCE). Private water supply wells are impacted.	Twenty private properties have substantial detections of PCE warranting continued carbon filter treatment. The Responsible Party (RP) is sampling those homes, performing filter maintenance as needed, and sampling the 5 monitoring wells at the Site to track PCE levels. These responsibilities are outlined in a consent agreement, which was finalized in May 2017. DEP is overseeing the RP's work.
Hoff VC	SE	Montgomery	147	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private home wells are impacted.	In 2014, 27 properties were connected to a public waterline. Vapor Intrusion was assessed and found not to be an issue. In 2016, DEP initiated a Prompt Interim Response to remove the waste from a concrete pit and nearby contaminated soil. DEP continues to monitor groundwater and research remediation technologies to address both the contaminated groundwater and Site soils.
Landis Creek	SE	Montgomery	150, 146	44, 24	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	In 2016, DEP installed carbon filtration systems at six homes affected by contamination. Systems have since been turned over to property owners. Environmental Covenants have been placed on those properties. The Responsible Party (RP) met with DEP to discuss actions needed to complete an Act 2 investigation. DEP is negotiating a consent agreement with the RP to settle past costs and establish a schedule to proceed through the Act 2 process.
Limekiln PCE	SE	Montgomery	151	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private home wells are impacted.	DEP replaced private wells with public water through a grant to the township in 2014. A consent agreement with the Responsible Party was signed in May 2017 to take the Site through the Act 2 process. The agreement also included a settlement for this Site and the Midfield VOC Site. The Final Report was approved in December 2017. Future updates will be included with the Midfield VOC Site.
Macoby Creek	SE	Montgomery	131	24	Groundwater is contaminated with toxic volatile organic compounds (VOCs). A private water supply well is impacted.	DEP demolished the on-site building and removed contaminated soils in 2008. DEP also installed a carbon filtration system on the one residential property found to be contaminated. DEP is monitoring and maintaining the treatment system. An initial in-situ treatment of groundwater in 2016 was found to decrease the concentrations of VOCs. DEP is planning

						additional injections in Summer 2018 to address the remaining groundwater contamination.
Midfield VOC	SE	Montgomery	151	12	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private home wells are impacted.	The waterline extension was turned over to the Horsham Water and Sewer Authority in January 2018. A consent agreement with the Responsible Party was signed in May 2017 to take the Site through Act 2. The Agreement also included a settlement for this Site and the Limekiln PCE Site. The Final Report was approved in December 2017. An Environmental Covenant is still needed for this property.
Valley Forge Asbestos Release	SE	Montgomery	149	17	Soil is contaminated with waste asbestos from former industrial activities next to the Site. Soil is also contaminated with metals and polycyclic aromatic hydrocarbons (PAHs).	The National Park Service (NPS) determined that the commonwealth was a Responsible Party for the Site since disposal of asbestos wastes had been authorized when the Site was a State Park. The NPS is conducting the removal and DEP pays its share of the costs. In 2015, DEP was notified that more contamination was found and additional removal actions were required at the Site. Waste removal continued through November 2017. The Final Remedial Action Closure Report is being prepared by the NPS.
Zieglerville TCE	SE	Montgomery	147	24	Groundwater and soils are contaminated with toxic volatile organic compounds (VOCs). The contaminated groundwater threatens a public supply well.	DEP took two interim response actions in the mid-1990s to extend a waterline to affected homes and to clean up the soil hotspot area. DEP is monitoring the remaining groundwater contamination and evaluating potential in-situ remedial alternatives to clean up the groundwater.
American Fuel Harvesters	NE	Northampton	137	40	The Site is contaminated with lead waste disposed by a defunct demolition waste processing facility.	DEP previously completed remedial actions at the Site in 1999. DEP is maintaining the landfill cap and conducting groundwater sampling. DEP is considering reducing the sampling to once every 5 years or abandoning the monitoring well network.
Herceg Landfill	NE	Northampton	138	40	Groundwater is contaminated with volatile organic compounds (VOCs) and inorganic metals. A private water supply well is impacted.	DEP is monitoring the impacted private wells and maintaining the residential water treatment systems installed in 2005 and 2009. DEP is operating the leachate treatment system, conducting annual sampling and operation and maintenance activities. DEP is evaluating the best way to mitigate the elevated levels of ammonia.

Port Richmond Gate	SE	Philadelphia	177	5	The soil at the Site is contaminated with toxic inorganic compounds.	In 2011, DEP excavated and capped contaminated soils and implemented land use restrictions via Environmental Covenants. DEP plans to issue Orders to prevent contact on properties that refused to sign Environmental Covenants. During the Fall of 2017, a consent agreement was finalized to settle past response costs with a developer. In the spring of 2018, a separate settlement was reached with another developer.
Crown Industries	NE	Pike	139	20	The groundwater and soils at this Site have been contaminated with toxic volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and dioxins. Private water supplies were impacted.	Negotiations with the quarry owner to take over operation and maintenance (O&M) responsibilities began in 2015. Negotiations are on-going to discuss the status of the O&M plan and the Environmental Covenant. The quarry owner conducted a full round of sampling in January 2018 and the results are being reviewed by DEP.
Ashland Metals	NE	Schuylkill	123	29	Soils are contaminated with lead and toxic metals from a defunct battery and metal recycling operation.	DEP has completed remedial actions at the Site and continues to monitor the Site and maintain the landfill cap. A scope of work for operation and maintenance activities was submitted in May 2018 and field work is expected to be completed in Summer 2018. DEP is evaluating whether additional sampling activities need to be conducted.
Coaldale MGP	NE	Schuylkill	124	29	The soils are contaminated with coal gasification waste consisting of volatile and semi-volatile compounds.	DEP is proposing a limited removal action and an Environmental Covenant to limit the use of sub-grade soils and groundwater. Additional Site characterization has been ongoing since June 2017. DEP is reviewing the updated site characterization report and fate and transport model submitted in May 2018.
Giordano Waste Materials	NE	Schuylkill	123	29	The soils are contaminated with metals.	DEP installed a soil cap to prevent exposure and is monitoring and maintaining the cap. Semi-annual Site visits are conducted to inspect the cap.
Mahanoy City MGP	NE	Schuylkill	123	29	The soils are contaminated with coal gasification waste substances.	DEP completed the site investigation. The proposed action for the Site is source removal, capping of remaining contamination, and an environmental covenant to prevent disturbance of the area. DEP is negotiating a consent agreement with the Responsible Party to perform the post removal operation and maintenance. The agreement is being drafted.

Schuylkill Haven MGP	NE	Schuylkill	125	29	Groundwater and soils are contaminated with coal gasification waste substances. Contaminated groundwater is discharging to nearby streams and there is a threat of vapor intrusion into nearby buildings.	DEP completed the investigation and is preparing an Analysis of Alternatives to address the soil and groundwater contamination. The proposed response includes installation of an armored cap over the coal tar seep area and an Environmental Covenant to prevent disturbance of the area.
Former Erie Railyard	NE	Susquehanna	111	20	The groundwater and soils are potentially contaminated with coal gasification waste substances.	The Site was selected as a Brownfields pilot project by a joint DEP/DCNR/DCED taskforce. During the summer of 2017, 12 acres were cleared and grubbed along with the creation of 40+ stone walls around the retained trees. A small building with asbestos-containing material was demolished in October 2017. A layer of general fill was placed across the site to create the first layer of capping. Additional layering, grading, and seeding are ongoing.
Laurel Lake PCE	NE	Susquehanna	111	23	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Private water supply wells are impacted.	Water treatment systems were installed in the affected homes. Monitoring wells are being retrofitted and then sampling will occur. Geophysics testing was performed in April/May 2018.
American Zinc Company Site	SW	Washington	46	46	The surface piles and soil are contaminated with lead, zinc and arsenic from waste generated by a former zinc smelter.	DEP signed a mixed-funding consent agreement with the Responsible Party (RP). DEP paid for 40% of the Site investigation and cleanup plan. The investigation and cleanup plan are complete and a Pre-Design Investigation work plan was approved. A second mixed-funding agreement was signed to pay for the cleanup of the site. DEP will pay 40% of the remediation costs. DEP is evaluating the RP's Natural Resource Damage Assessment submitted in August 2016.
Lakeside PCE	NE	Wayne	139	20	Groundwater is contaminated with toxic volatile organic compounds (VOCs). Public and private water supply wells are impacted.	DEP is monitoring private residential water supply treatment systems installed in 2006. The homeowners have agreed to conduct the operation and maintenance of their treatment systems. Environmental Covenants are being prepared for the properties with groundwater contamination.
Everglade Scrap Yard	SW	Westmoreland	57	80	Soil and groundwater are contaminated with polychlorinated biphenyls (PCBs), dioxin and toxic volatile organic compounds (VOCs) at this abandoned scrap yard. Private water supply wells are impacted.	DEP is maintaining the soil cap and sampling groundwater. Once the sampling results are received, they will be evaluated to decide whether DEP will continue with additional groundwater monitoring or close out the Site.

Harhai Landfill	SW	Westmoreland	59	80	There are allegations of industrial waste disposal at this abandoned landfill located in an area of private water supply wells.	Site characterization is complete. DEP submitted comments on the Final Remedial Investigation Report. DEP will abandon onsite wells in Summer 2018.
Deardorff Drive/Ridge Road	SC	York	92	48	The groundwater is contaminated with toxic volatile organic compounds (VOCs), including tetrachloroethylene (PCE). Private water supplies were impacted.	DEP replaced private wells with public water through a grant to the Planning Commission in 1992. DEP conducted a vapor intrusion study in 2010 and found no impact to properties at the Site. Groundwater sampling is conducted every two years to monitor the plumes. A site sampling event was completed in February 2018 and it was determined that the site groundwater and surface water PCE/VOC contamination levels are essentially stable.
Industrial Solvents and Chemical Company	SC	York	92	48	The groundwater and soils are contaminated with volatile organic compounds (VOCs). Private water supply wells were impacted.	DEP replaced impacted private water supplies and completed remedial actions for waste and soil contamination. DEP installed vapor mitigation systems in August 2008. Deed Notifications have been recorded with the York County Recorder of Deeds. DEP will carry out an overall assessment of the site to determine if the site meets Act 2 cleanup standards and whether additional remedial action is necessary.

Key:	
Region	SE - Southeast Region SC - South-central Region SW - Southwest Region NE - Northeast Region NC - North-central Region NW - Northwest Region