

Appendix H

State Expenditures Under the Federal Superfund Program

Superfund State Contract Status (as of July 1, 2023)					
10% State Match Payment Status					
		Total SSC			
Site Name	Status	(10% match)	Balance	FY 21/22	FY 22/23
AIW Frank 1&2	Active	\$ 534,597	\$ 6,800		
BoRit	Active	\$ 90,000	\$ 9,000		
Butz Landfill	Active	\$ 565,488	\$ 20,000		
Chem Fab OU2	Active	\$ 1,299,000	\$ 1,299,000		
Crossley Farms OU2	Active	\$ 2,269,176	\$ 107,583		
Crossley Farms OU3	Active	\$ 40,932	\$ 8,154		
Lower Darby Creek OU1	Active	\$ 2,839,414	\$ 1,135,766		
North Penn 6 OU2	Active	\$ 402,040	\$ 281,428		
North Penn 6 OU3	Active	\$ 900,000	\$ 15,000	\$ 15,000	
Ryeland Road	Active	\$ 1,840,000	\$ 184,000		
Safety Light	Active	\$ 135,000	\$ 25,000		
Safety Light OU3	Active	\$ 1,000,000	\$ 155,481		
Sharon Steel	Active	\$ 997,928	\$ 486,039		
WJL OU1	Active	\$ 1,247,091	\$ 88,000		
WJL OU2	Active	\$ 392,400	\$ 392,400		
Valmont TCE	Active	\$ 76,300	\$ 30,100		
Total		\$14,629,365.90	\$4,243,750.66	\$15,000.00	\$0.00

The outstanding balance of the 10 percent match required in these contracts is approximately \$4.2 million. However, some or all of the cost share may be covered under the federal Infrastructure Fund.

[<https://www.epa.gov/infrastructure>]

Operation and Maintenance (O&M) Obligations (100% Funded by State):

Site Name	Engineering Controls to Maintain	Institutional Controls	Estimated Annual Cost
<u>Current State O&M Obligations:</u>			
AIW Frank OU1 & OU2	Groundwater pump and treat plant, monitoring		\$326,550
Berkley Products Landfill	Landfill cap, groundwater monitoring	Site fence, Land use restrictions	\$84,800
Berks Sand Pit	Groundwater pump and treat, monitoring		\$22,700
BoRit	Landfill cap and stream bank		\$19,000
Bruin Lagoon	Landfill cap, ground and surface water monitoring	Site fence	\$25,000
Butz Landfill	Groundwater pump and treat, monitoring	Land use restrictions	\$150,000
Crossley Farms OU2	Groundwater pump and treat, monitoring	Land use restrictions	\$748,612
Crossley Farms OU3	Residential sub-slab depressurization maintenance		\$15,000
Croydon TCE	Groundwater pump and treat, monitoring		\$130,800
Cryo-Chem OU2	Groundwater pump and treat, monitoring		\$165,000
East Mt. Zion	Landfill cap, groundwater monitoring	Site fence, Land use restrictions	\$31,000
Havertown PCP OU2&3	Groundwater pump and treat, monitoring		\$300,000
Hellertown Manufacturing	Groundwater pump and treat, monitoring		\$175,000
Lackawanna Refuse	Landfill cap, ground and surface water sampling	Site fence	\$22,500
Lehigh Electric	Ground and surface water monitoring	Site fence	\$4,725
Millcreek Dump	Groundwater pump and treat, monitoring	Land use restrictions	\$323,300
Moyers Landfill	Landfill cap, leachate collection, groundwater monitoring	Site fence	\$217,000
North Penn 1	Groundwater pump to sewage plant, monitoring	Site fence, Land use restrictions	\$12,000
North Penn 6	Groundwater pump and treat, monitoring		\$308,200
Raymark OU1, 2, & 3	Landfill cap, groundwater pump and treat, monitoring		\$36,000
Strasburg Landfill	Landfill cap, leachate treatment, residential carbon filter	Site fence	\$312,471
Wade	Soil cover, groundwater monitoring	Site fence	\$10,000
		Total:	\$3,439,658
<u>Future State O&M Obligations:</u>			
Valmont TCE	In 2023, Groundwater monitoring	Land use restrictions	\$16,450
Sharon Steel	In 2023, Landfill cap, groundwater monitoring		\$67,260
Ryeland Road	In 2023, groundwater monitoring		\$11,500

Lower Darby Creek OU1	In 2023, ET cover, creek banks, leachate collection, engineered treatment wetlands, ground water monitoring		\$164,650
Watson Johnson OU2	In 2027, groundwater pump and treat, monitoring		\$114,000
Watson Johnson OU1	In 2028, Landfill cap system		\$25,000
Chem Fab OU2	In 2031, groundwater extraction and treatment, monitoring		\$602,416
		Total:	\$1,001,276

Terms, Abbreviations, Notations:

“SSC”: “Superfund State Contract” – Document that obligates the state to meet its financial commitment under federal Superfund law. The state is obligated to fund 10 percent of the remedial action cost and fund 100 percent of the operation and maintenance costs for the sites that EPA funds. Many Superfund site cleanups are funded and performed by parties (e.g. financially viable businesses) that are responsible for the contamination. In these cases, the state is not obligated to fund 10 percent of the remedial action nor 100 percent of the operation and maintenance of the site.

“OU”: “Operable Unit” – EPA frequently separates areas of contamination at sites into operable units. This separates phases of work and allows more immediate threats to be addressed quicker.

“Operation and Maintenance”: Operation and Maintenance (O&M) activities include long-term obligations to maintain the protectiveness of the remedy. In cases where groundwater pump-and-treat remedial systems are installed, O&M begins 10 years after the plant is operational. Some of these obligations are perpetual in nature.

10 Percent Match Payment Schedules: Payment schedules are negotiated on a site-by-site basis depending on the length of time the remedial action is expected to take before completion. These payments do not include future operation and maintenance costs.

Note 1: O&M costs identified above are EPA estimates contained in the SSC agreement. Actual yearly costs vary and are reported in Appendices E and F.

Note 2: The 10 percent match and 100 percent O&M costs are only contract costs and do not include DEP personnel and administrative costs. DEP personnel and administrative costs for these sites and other NPL sites addressed by the responsible parties are estimated at \$1.8 million annually.