

Appendix H

**State Expenditures
Under the Federal Superfund Program**

State Superfund Contract Status (as of July 1, 2018)

10% State Match Payment Status

Site Name	Status	Total SSC													
		(10% match)	Balance	FY 13/14	FY 14/15	FY 15/16	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25
AIW Frank 1&2	Active	\$ 534,597	\$17,000.00					\$5,100.00	11,900.00						
BoRit	Active	\$ 90,000	\$36,000.00					\$ 54,000	\$ 27,000	\$ 9,000					
Crossley Farms OU2	Active	\$ 1,946,424	\$ 188,942	\$188,942	\$188,942	\$ 188,942	\$188,942	\$ 188,942	\$ 188,942						
Crossley Farms OU3	Active	\$ 40,932	\$ 8,154	\$ 7,058	\$ 12,860	\$ 12,860		\$ 8,154							
Havertown OU3 DAQ	Active	\$ 793,800	\$ 793,800												
Lower Darby Creek OU	Active	\$ 2,839,414	\$1,987,590					\$ 851,824	\$ 851,824		\$ 851,824	\$ 283,942			
North Penn 6 OU3	Active	\$ 900,000	\$ 60,000		\$112,660	\$ 112,660	\$112,660	\$ 30,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000			
Ryeland Road	Active	\$ 1,840,000	\$ 184,000						\$ 184,000						
Safety Light	Active	\$ 135,000	\$ 25,000		\$ 60,000	\$ 50,000		\$ 25,000							
Safety Light OU3	Active	\$ 906,800	\$ 362,720				\$544,080	\$ 272,040	\$ 90,680						
Sharon Steel	Active	\$ 997,928	\$ 486,039			\$ 511,890				\$364,529	\$ 121,510				
WJL OU1	Active	\$ 1,247,091	\$ 352,000		\$264,000	\$ 264,000			\$ 264,000	\$ 88,000					
WJL OU2	Active	\$ 392,400	\$ 313,920							\$ 39,240	\$ 39,240	\$ 39,240	\$ 39,240	\$39,240	\$117,720
Valmont TCE	Active	\$ 76,300	\$ 30,100				\$ 23,100				\$ 30,100				
Butz Landfill	Complete	\$ 525,488					\$ 157	\$ 20,835							

Total Budget \$13,266,174 \$4,845,265 \$196,000 \$638,462 \$1,140,352 \$868,939 \$1,455,895 \$1,633,346 \$515,769 \$1,057,674 \$338,182 \$39,240 \$39,240 \$117,720

New SSCs and Amendments Anticipated (10% match obligation)

Site Name	Type	10% Closeout		Comments
		Estimate		
Drake Chemical	Close Out	N/E		Potential Overrun pending EPA contract dispute N/E = no estimate
Hellertown	Close Out	\$ 15,194		Estimated Overrun by USEPA
Raymark OU3	Close Out	\$ (8,318)		Estimated underrun by USEPA (Refund to State)
Franklin Slag	New	\$ 540,000		Potential cost recovery
North Penn 5 OU3	New	\$ 254,500		
Salford Quarry	New	\$ 600,000		
Chem Fab	New	N/E		
Foster Wheeler	New	N/E		
Sharon Steel	Amend or Close Out	\$ 27,745		Estimated overrun by USEPA letter June 2018
BoRit	Amend or Close Out	\$ 38,400		Estimated Overrun by USEPA letter June 2018
Watson Johnson OU1	Close Out	\$ 367,091		Estimated Overrun by USEPA letter February 2017 & December 2017

\$ 1,834,612

The outstanding balance of the 10 percent match required in these contracts is approximately \$4.85 million. DEP anticipates that EPA will propose another five SSCs in the future. Three of those SSCs will require a total of \$1.39 million in additional state funds. The other two costs are unknown at this time.

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 cap, groundwater monitoring	Site fence, Land use restrictions	\$84,800
Berks Sand Pit	Groundwater pump and treat, monitoring		\$22,700
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	\$748,600
Crossley Farms OU3	Residential sub-slab depressurization maintenance		\$15,000
Croydon TCE	Groundwater pump and treat, monitoring		\$130,800
Cryochem 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
Mill Creek 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	\$270,000
Wade	Soil cover, groundwater monitoring	Site fence	\$10,000
		Total:	\$3,378,175
<u>Future State O&M Obligations:</u>			
Crossley Farms OU2	In 2019, Groundwater pump and treat, monitoring		\$270,000
BoRit	In 2020, Landfill cap and stream bank		\$19,000
Watson Johnson OU1	In 2020, Landfill cap system		\$25,000
Sharon Steel	In 2021, Landfill cap, groundwater monitoring		\$67,260
Valmont TCE	In 2021, Groundwater monitoring	Land use restrictions	\$16,450
Lower Darby Creek OU1	In 2022, 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
		Total:	\$676,360

Terms, Abbreviations, Notations:

“SSC”: “State Superfund 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 (O&M)”: 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.