



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

**HAZARDOUS SITES CLEANUP FUND
ANNUAL REPORT
August 2009**

**Commonwealth of Pennsylvania
Department of Environmental Protection**



Pennsylvania Department of Environmental Protection

Rachel Carson State Office Building

P.O. Box 2063

Harrisburg, PA 17105-2063

September 8, 2009

Secretary

717-787-2814

Mr. Mark R. Corrigan
Secretary of the Senate
Senate Post Office Box 203053
Harrisburg, PA 17120-3053

Dear Mr. Corrigan:

The Department of Environmental Protection (DEP) is pleased to present to you its Hazardous Sites Cleanup Fund Annual Report. This report summarizes the accomplishments of the Hazardous Sites Cleanup Program, which provides the department with the ability to immediately respond to spills of hazardous substances and to eliminate threats to public health and the environment from hazardous substances through removal and remedial actions.

Act 77 of 2007, the Hazardous Sites Cleanup Fund Funding Act -- passed by the General Assembly and signed by Governor Edward G. Rendell -- provides revenue to the Cleanup Fund of \$40 million annually. On June 30, 2011, with the phase-out of the Capital Stock and Franchise Tax, this revenue source (which represents 90 percent of the yearly revenue) will no longer be available to support the Hazardous Sites Cleanup Program. A long-term solution is needed to keep the full program operational beyond that time. The Hazardous Sites Cleanup Fund is essential to Pennsylvania's ability to address brownfield remediation, emergency response to toxic spills and cleanup of contaminated sites across the commonwealth. DEP respectfully requests your support in identifying a permanent funding source for this important program.

The successes documented in the Hazardous Sites Cleanup Fund Annual Report demonstrate just how important this program is. As provided in the Hazardous Sites Cleanup Fund Funding Act, DEP is distributing the report electronically and providing a link for accessing the report online. The report can be found at www.depweb.state.pa.us, keyword: HSCA. Once you enter the site, click on the link for the "Hazardous Sites Cleanup Fund Annual Report -- August 2009." Should you desire a hard copy from us, please contact DEP's Bureau of Waste Management at 717-787-9870.

Thank you for your interest in this report and for continuing to partner with DEP to promote a clean environment and safer communities for all Pennsylvanians.

Sincerely,

John Hanger
Secretary



Pennsylvania Department of Environmental Protection

Rachel Carson State Office Building
P.O. Box 2063
Harrisburg, PA 17105-2063

September 8, 2009

Secretary

717-787-2814

Mr. Roger Nick
Chief Clerk of the House
129 Main Capitol Building
Harrisburg, PA 17120-2020

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1.0 Introduction

The Hazardous Sites Cleanup Fund (HSCF), a special fund established under the Hazardous Sites Cleanup Act (HSCA), provides the funding for the Department of Environmental Protection (DEP) to carry out a number of activities to address releases of hazardous substances to the environment. These activities include:

- Investigation and response at contaminated sites;
- Participation in the federal Superfund program;
- Participation in the federal hazardous waste program; and
- Implementation of the commonwealth's Land Recycling program.

Revenue to the HSCF is generated from hazardous waste management and transportation fees assessed under Section 903 of HSCA; recovery of DEP incurred costs from responsible persons (cost recovery); penalties; interest generated from the balance in the HSCF; and temporary funding provided under the Hazardous Sites Cleanup Fund Funding Act, Act 77 of 2007 (HSCF Funding Act).

Signed on Dec. 18, 2007, the HSCF Funding Act provides for the transfer of \$40 million annually from the Capital Stock and Franchise Tax (CSFT) to the HSCF, which represents approximately 90 percent of the HSCF annual revenue. The CSFT is due to expire on June 30, 2011, leaving the HSCF without adequate revenue to continue HSCA-funded programs.

This report is provided to the General Assembly in accordance with Section 902(c) of HSCA and Section 6 of the HSCF Funding Act. This report provides:

- HSCF revenue and expenditure information for the FY 2008-09 fiscal year;
- Estimated site-specific HSCF-funded investigation and response expenditures and activities for FY 2008-09;
- Description of HSCF-funded programs;
- HSCF personnel complement summary;
- Summary of DEP participation in the federal Superfund program funded by the HSCF; and
- Other program information as required by statute.

As a supplement to the August 2008 HSCA annual report, final site-specific investigation and response expenditures for FY 2007-08 are included. Final site-specific expenditure amounts are not available prior to the reporting deadline contained in the HSCF Funding Act; therefore, only estimated expenditures are reported in August each year. The final expenditures are reported in the subsequent annual report.

This report includes improvements recommended by the Pennsylvania Department of the Auditor General in the special performance audit report dated March 5, 2009. DEP appreciates the improvements suggested by the Auditor General.

2.0 Description of Hazardous Sites Cleanup Activities

The HSCA statute, Act 108 of 1988, provides DEP with a means of protecting human health and the environment from contamination due to the releases of hazardous substances (generally-speaking, toxic chemicals). HSCA gives DEP the authority to investigate, assess and clean up sites where hazardous substances or contaminants have been released or are threatening to be released into the environment. DEP coordinates actions under HSCA with other Pennsylvania and federal statutes that also address hazardous substances and contaminants, including, but not limited to the Pennsylvania Land Recycling and Environmental Remediation Standards Act, Act 2 of 1995 (The Land Recycling Act), the Pennsylvania Solid Waste Management Act, Act 97 of 1980, the federal Comprehensive Environmental Response Compensation and Liability Act of 1980, as amended (federal Superfund law), and the federal Resource Conservation and Recovery Act of 1976, as amended (RCRA).

DEP has many tools to address releases of hazardous substances into the environment under various programs funded by the HSCF. Pennsylvania is actively involved in cleaning up contamination that threatens human health and the environment by conducting response actions itself (funded actions), requiring responsible parties to implement actions, administering the voluntary cleanup program under the Land Recycling Act, participating in federal hazardous waste corrective action projects, participating in the federal Superfund program and promoting federal cleanup of current and former military facilities. DEP can use more than one tool for a particular site, switching between funded actions, voluntary cleanups and utilizing federal resources as needed to control or clean up site contamination and foster redevelopment. Exploring opportunities to coordinate HSCA-funded actions with private and/or federally funded actions allows DEP to achieve cleanups in an efficient and cost-effective manner.

2.1. DEP-Funded Investigations and Responses

HSCA gives DEP the authority to fund investigations and responses at abandoned industrial facilities and contaminated sites where the responsible person is financially unable or unwilling to conduct the work or where a responsible person is not known. In these circumstances, DEP deploys state-procured contractors to investigate and respond to the site contamination. HSCA allows DEP to recover the costs it expends from responsible persons.

During the last fiscal year, DEP performed investigations of groundwater and soil contamination, replaced contaminated water supplies, removed and disposed of toxic wastes, implemented groundwater treatment actions, and conducted other response actions. DEP has addressed threats posed by toxic chlorinated solvents, toxic heavy metals, flammable materials, corrosive substances and radiological materials.

Appendix A contains a list of sites where DEP is conducting and funding investigations and responses. The list contains descriptions of the contamination and the cleanup actions occurring at the sites. This list does not include all sites where DEP is conducting preliminary assessments, and it does not include all potentially abandoned sites in the commonwealth. Expenditures at each site are separately listed in Appendices F and G.

2.2. Cleanup Activities by Responsible Parties

HSCA also provides DEP the authority to issue enforcement actions and enter settlements to require the persons responsible for the release or threatened release to fund and perform the response actions. In cases where a responsible person is able to clean up a site, DEP will enter an agreement and oversee the work that the person is required to conduct to ensure it meets the requirements in state laws, rules and regulations. After initial contact with DEP, many persons elect to implement voluntary cleanups under the Land Recycling Act.

HSCA also provides for unique types of settlements, for instance, mixed funding settlements. This type of settlement can be used in a situation where multiple entities are responsible for the contamination and some are bankrupt or no longer in existence. In a mixed funding agreement, DEP can agree to fund a percentage of the response equal to the “orphan” (e.g., bankrupt) entity’s share of the contamination at the site.

DEP has developed a Multi-Site Agreement (MSA) for responsible persons who have many contaminated sites within the commonwealth. DEP is overseeing work performed under MSAs with owners of former manufactured gas plants, the federal government and pipeline transmission companies. The MSAs provide enhanced communications, predictable financial expenditures, and improved consensus on technical issues. The MSA process allows companies to incorporate more easily and efficiently environmental perspectives and goals into current and future business plans. Further information on MSAs is available at www.depweb.state.pa.us, keyword: MSA.

DEP and the US Department of Defense (DOD) executed a Cooperative Multi-Site Agreement (CMSA) in 1998 to address federal government cleanups of active and former military sites. Pennsylvania’s CMSA is unique in the nation. This agreement provides a framework under which the federal government responds to 1,099 active and formerly used defense sites identified by DEP throughout the commonwealth. The goal of the CMSA is to prioritize and resolve all sites by Sept. 30, 2010. The DOD has made substantial progress toward that goal. All currently owned federal facilities in Pennsylvania have either been cleaned up or are being cleaned up under a federal program, (e.g. federal Superfund), except for one site, the Susquehanna Defense Depot in York County, which is scheduled to be completed in the fall of 2009. In addition, Formerly Used Defense Sites (FUDS) are continuing to be addressed by the Army Corps of Engineers as federal funds are provided. A list of the FUDS sites that need to be addressed is provided in Appendix C. Further information on the CMSA is available at www.depweb.state.pa.us, keyword: CMSA.

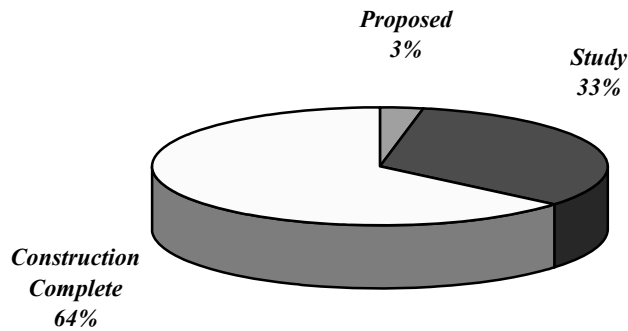
DEP and the DOD have also executed a Defense and State Memorandum of Agreement (DSMOA). The DSMOA provides for state review of eligible federal military cleanup actions (including those on the CMSA list and those under federal cleanup programs). The DSMOA also provides federal reimbursement of the costs DEP expends overseeing specifically eligible federal cleanups.

2.3. Participation in the Federal Superfund Program

HSCA authorizes the commonwealth to fully participate in the federal Superfund Program, implemented by the U.S. Environmental Protection Agency (EPA) under CERCLA. The federal Superfund Program allows EPA to either require a responsible person to clean up the site or fund the cleanup itself. If EPA funds the cleanup, federal law requires states to pay 10 percent of the remedial cost and to operate and maintain the remedy on a permanent basis, or until the cleanup standard is achieved. If a responsible person addresses the site, DEP is provided the opportunity to review and comment on investigations and cleanup plans and to recover its administrative costs. Further information on the federal Superfund program is available at www.epa.gov.

As of July 1, 2009, Pennsylvania has 94 sites on EPA's National Priorities List (NPL), a list of sites that EPA compiles for remedial response. EPA is currently proposing to list three additional sites. Among all states in the country, Pennsylvania and California have the second-largest number of listed and proposed NPL sites (97 in each state), behind New Jersey with 117 sites. Due to Pennsylvania's active participation in the Superfund Program, EPA in cooperation with the commonwealth has remediated and removed 28 sites from the NPL. Pennsylvania leads the nation in the number of sites removed from the NPL.

Figure 1 - Remedial Action Status of 97 PA Sites Proposed and Listed on the Federal NPL



Cleanups have reached the construction complete milestone at 64% of the sites.

Appendix D contains a list of Pennsylvania's NPL sites and the current status of remediation activities. The list includes the proposed and final sites and certain deleted sites with continuing operation and maintenance obligations.

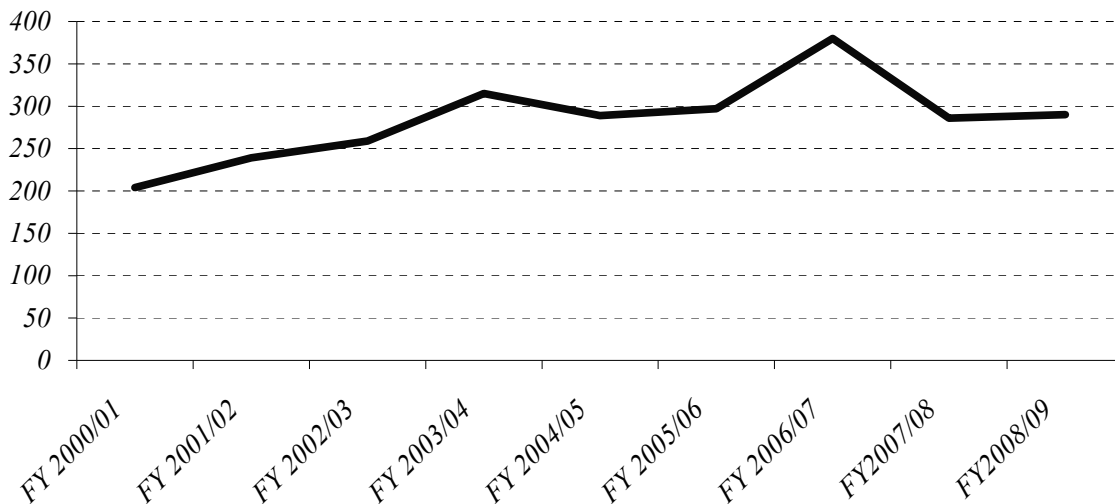
2.4. Implementation of a Voluntary Cleanup Program and Promotion of Brownfield Redevelopment

The Land Recycling Act was passed to promote the redevelopment of contaminated sites within the commonwealth. The Land Recycling Act has three general purposes: to provide for the remediation of contaminated sites utilizing risk-based cleanup standards, to return abandoned sites to productive use, and to preserve farmland and greenspace. The four cornerstones of the Land Recycling Program are: 1) uniform cleanup standards based on health and environmental risks; 2) standardized review procedures; 3) relief from liability; and 4) financial assistance. The establishment of uniform cleanup standards enables a person to clearly understand the extent and cost of site cleanup. Consistent reporting requirements and standardized review procedures provide a definite time frame for remediation. Relief from liability, which extends to future owners, addresses the liability concerns that can impede site redevelopment and sale. Financial assistance, available to those who did not cause or contribute to contamination at the site, can reduce the cost of site assessment and remediation.

The HSCF provides funding for DEP personnel and operating costs required to implement the Land Recycling Act. HSCF also provides financial assistance for brownfields redevelopment through transfers authorized under the Land Recycling Act and the Industrial Sites Environmental Assessment, Act 4 of 1995, as amended.

DEP received, reviewed and approved 290 final reports submitted for voluntary response actions during FY 2008-09. Over the 14-year history of the Land Recycling Program, DEP has approved over 2,990 actions. Further information on the Land Recycling Program is available at www.depweb.state.pa.us, keyword: Land Recycling.

Figure 2 - Final Reports Approved Under the Land Recycling Act



2.5. Hazardous Waste Programs

DEP receives federal funds from EPA to manage the hazardous waste regulatory program under the federal RCRA statute. This program includes permitting, enforcement and overseeing facility corrective actions. This EPA grant requires the commonwealth to pay 25 percent of the cost of personnel and operating expenses. The HSCF funds the 25 percent match.

EPA has set goals to have RCRA-regulated facilities where releases of hazardous wastes have occurred achieve control of contamination and complete corrective actions. Pennsylvania has 372 sites subject to RCRA corrective action. Table 1 shows the number of sites reaching each goal established by EPA. Further details on the individual sites are available from the EPA web site, www.epa.gov.

Table 1 – Status of RCRA Corrective Action Interim Goals at Pennsylvania Sites

	<i>Total Sites</i>	<i>Human Exposure Controlled</i>	<i>Groundwater Migration Controlled</i>	<i>Remedy Selection</i>	<i>Construction Complete</i>	<i>Final Cleanup Achieved</i>
<i>High-Priority Sites</i>	159	156	130	62	69	39
<i>Medium and/Low-Priority Sites</i>	213	33	31	8	22	18

Pennsylvania is not currently authorized for the administration of the RCRA corrective action program; however, DEP is participating in a work-share agreement with EPA to address high-priority sites. Under the work share, Pennsylvania has been evaluating RCRA corrective action sites to determine whether the sites meet RCRA interim goals.

In 2004, DEP and EPA signed a “One Cleanup Program” agreement, which establishes a framework for coordinating voluntary cleanups under the Land Recycling Act and other federal statutes, including RCRA. This agreement is designed to promote the cleanup and redevelopment of sites subject to RCRA corrective action by resolving both federal and state liability for cleanup at the same time.

HSCA provides financial assistance to municipalities who host commercial hazardous waste disposal facilities. The HSCF also provides funds for pollution prevention financial assistance and household hazardous waste collection and disposal under the Small Business and Household Pollution Prevention Program, Act 190 of 1996.

3.0 Statutorily Required Program and Financial Information

Section 902(c) of HSCA and Section 6 of the HSCF Funding Act require DEP to report specific program and financial information in the annual report.

3.1. HSCF Financial Statement

Financial statements are provided in Appendix E. The statements include a balance sheet and a statement of the revenue, expenditures and commitments.

In FY 2008-09, HSCF revenue and receipts totaled about \$44,748,000, which includes transfers from the CSFT, interest, cost recovery, hazardous waste transportation and management fees, penalties and assessments, and refunds of expenditures. DEP collected no civil or criminal penalties and no natural resource damage assessments.

Expenditures and commitments totaling about \$43,147,000 occurred in the following executive authorizations during FY 2008-09:

- General Operations: DEP personnel salaries and benefits, DEP administrative operating costs, and fixed assets that are incurred for HSCA state-funded response actions, oversight of responsible person cleanups under HSCA, voluntary actions occurring under the Land Recycling Act, federal Superfund actions, and the 25 percent RCRA grant match activities. This executive appropriation account also includes DEP laboratory costs for HSCA projects and preliminary investigations.
- Hazardous Sites Cleanup: Costs for investigation, response, operation and maintenance activities at specific sites incurred under DEP contracts and purchase orders and payments to EPA under State Superfund Contracts (SSCs) (the 10 percent match required for federal Superfund remedial actions).
- Host Municipality Grants: Financial assistance to municipalities who host commercial hazardous waste disposal facilities as authorized under HSCA.
- Transfer to Industrial Environmental Assessment Fund: Provides funds to the Department of Community and Economic Development's Industrial Sites Reuse Program as authorized under Act 4 of 1995.
- Transfer to Household Hazardous Waste Account: Funds household hazardous waste collection and disposal programs under Act 190 of 1996.
- Small Business Pollution Prevention: Funds the Small Business Advantage Grant program administered by DEP under Act 190 of 1996.

In addition, expenditures occurred under the Bear Creek Chemical Site Restricted Account. This restricted account was created within the HSCF special fund to specifically address the Bear Creek Chemical Site. The restricted account was created from monies DEP collected in a cost-recovery settlement with financially viable responsible parties and was used solely to respond to the Bear Creek Chemical Site. During FY 2008-09, DEP expended all monies remaining and closed out the restricted account, as shown in Table 2, below.

Table 2 - Status of Bear Creek Restricted Account

Total Cost Recovery Revenue		\$22,676,463.67
Prior Fiscal Year Expenditures	-	\$22,423,846.71
FY2008-09 Expenditures	-	\$252,616.96
Remaining Balance		\$0.00

3.2. Contracted Response Action Expenditures

During FY 2008-09, DEP initiated 19 and completed 19 contracted response actions. Including other response actions that continue into the next fiscal years, total contracted expenditures for FY 2008-09 are estimated at \$20,956,240. Because DEP has not received and audited all invoices for contract work performed during FY 2008-09, it can only provide estimated expenditures at this time. The final contracted expenditures will be included as a supplement in the subsequent annual report. The expenditures for each project during FY 2008-09, including a description of the type of response action performed, are listed in Appendix F. The final expenditures for the response actions during FY 2007-08 are provided in Appendix G.

In FY 2008-09, there were no expenditures for intervention and environmental mediation services and no expenditures for rehabilitation, restoration or acquisition of natural resources. Also, there were no health effects studies undertaken, no grants made to municipalities under section 510 of HSCA, and no reimbursements of expenses under section 505(f).

Mixed funding agreements under section 505(h) of HSCA have been signed at three sites identified in Table 3 below. Expenditures incurred during FY 2008-09 under these agreements are provided in Appendix F as well as summarized below.

Table 3 - Mixed Funding Settlements

<i>County</i>	<i>Site Name</i>	<i>FY 2008-09 Expenditure</i>
<i>Allegheny</i>	<i>Fair Oaks Site</i>	<i>\$7,846</i>
<i>Beaver</i>	<i>Marino Brothers Site</i>	<i>\$0</i>
<i>Washington</i>	<i>American Zinc Chemical</i>	<i>\$0</i>

3.3. Water Supply Replacements

DEP funds water supply replacement activities at many sites. In many cases, DEP immediately funds temporary water supply replacements of private wells (e.g. delivery of bottled water) that are found to be contaminated and then follows up with permanent replacements (e.g. connecting home to a public water supply) once the contamination has been fully investigated and a comprehensive response plan developed.

During FY 2008-09, DEP completed permanent water supply replacement activities at the Bear Creek Chemical Site. The Bear Creek Chemical Site permanent water replacement response involved the creation of the Petroleum Valley Regional Water Authority and the construction of over 60 miles of waterline to serve approximately 900 residents in a two-county area. The Bear Creek water supply responses, including both temporary and permanent responses cost \$23,118,620. This includes the final expenditure of \$43,869 in FY 2008-09.

DEP implemented permanent water supply responses during FY 2008-09 at the Gilbertsville PCE Site in Montgomery County and the Lenape Manufacturing Site in Bucks County. At both sites, DEP will extend waterlines and connect homes to the public water supply. The Gilbertsville PCE Site response is estimated to cost \$428,000, and the Lenape Manufacturing Site response is estimated to cost \$625,000.

During FY 2008-09, DEP maintained temporary response actions, including supplying bottled water and maintaining whole house carbon treatment filtration systems at 29 other sites, listed in Table 4 below. The total contract cost in FY 2008-09 for just the temporary water supply maintenance at these sites is estimated to be \$250,000. This list does not include federal Superfund sites where DEP is operating and maintaining federal remedial actions. Further descriptions of the sites are included in Appendix A, and the costs incurred at the sites are provided in Appendix F.

Table 4 - Temporary Water Supply Replacement Responses

<i>ADSCO Landfill</i>	<i>Hilltop TCE</i>	<i>Tamenand PCE</i>
<i>Allen Road Site</i>	<i>Intercourse TCE</i>	<i>TCE (Vaughn) Run</i>
<i>Baghurst Alley</i>	<i>Lawn Ave Site</i>	<i>Tomstown TCE</i>
<i>Clements Landfill</i>	<i>Lower Providence DCE</i>	<i>Topton Site</i>
<i>Cross Keys Site</i>	<i>Macoby Creek Site</i>	<i>Turtle Creek Site</i>
<i>Crown Industries</i>	<i>Mill Creek TCE</i>	<i>Vandor Manufacturing</i>
<i>Everglade Junkyard</i>	<i>Morris Run TCE</i>	<i>Waynesboro TCE</i>
<i>Fourth Ave Site</i>	<i>Oreville Quarry</i>	<i>Windship Road</i>
<i>Furlong Manufacturing</i>	<i>Skipview DCE</i>	<i>York Road PCE</i>
<i>High Quality Site</i>	<i>Squirrel Hollow</i>	

3.4. Emergency Response Expenditures

During FY 2008-09, DEP used the HSCF to fund an emergency response at one site, the Glendon Road Capacitors Site in Mahanoy Township, Schuylkill County. In August of 2008, DEP discovered two capacitors dumped in a field; one had been vandalized (shot), and the other contained insulating oil. The capacitors were determined to contain PCB oil and were removed and properly disposed at a total cost of \$2,100.

3.5. Federal Superfund Expenditures

As of July 1, 2009, DEP has 11 SSCs with outstanding balances for the remedial action match at Pennsylvania federal Superfund sites. The outstanding balance of the 10 percent match required in these contracts totals approximately \$4.7 million. DEP anticipates that EPA will propose another five SSCs within the next three to five years requiring an additional \$3.64 million in state funds. As of July 1, 2009, DEP is spending approximately \$1.6 million in contracting costs (this does not include the cost of DEP salaries, benefits, travel and general operating expenses – e.g. DEP supplies) at 16 Superfund sites to perform operation and maintenance responsibilities. In Appendix H, DEP identifies the commonwealth’s currently known and anticipated financial obligations at “funded” federal Superfund remedial action sites.

EPA is using monies allocated under the American Recovery and Reinvestment Act (ARRA) at two Pennsylvania sites, the Crossley Farms Site and the Havertown PCP site. EPA anticipates using \$5 million at each site (\$10 million total) of ARRA funds. This money will fund EPA's 90 percent share of the remedial actions. The commonwealth is not relieved under ARRA of the obligation to provide 10 percent of the remedial action cost.

3.6. DEP Personnel

As of July 3, 2009, there were 261 positions on the HSCF complement and of those positions, 227 are currently filled and 34 are vacant. These positions include professional, scientific, administrative and legal job titles within the DEP organizational areas shown in Table 5.

Table 5 – Complement of HSCF Positions

<i>Organizational Area</i>	<i>Filled</i>	<i>Vacant</i>
<i>Bureau of Waste Management</i>	39	14
<i>Office of Community Revitalization and Local Government Support</i>	17	3
<i>Office of Chief Counsel</i>	7	0
<i>SE Region</i>	40	3
<i>NE Region</i>	21	2
<i>SC Region</i>	31	4
<i>NC Region</i>	12	2
<i>SW Region</i>	28	5
<i>NW Region</i>	32	1
	227	34

As of July 31, 2009, personnel costs, including benefits for FY 2008-09 for the HSCF-funded programs and projects totaled \$11,996,462.62. The HSCF does not fund 100 percent of the cost for all positions on the HSCA complement. Personnel report hours worked in different programs in the commonwealth's accounting systems. Since each reporting code is linked to a particular fund, the appropriate funds are charged the applicable cost. For instance, federal hazardous waste report codes distribute 25 percent of the personnel and benefit cost to the HSCF and the remaining 75 percent to the federal grant monies. Final cost distributions of this work reporting are pending at the time this annual report was prepared; therefore, the exact personnel costs for FY 2008-09 upon final audit may be different.

3.7. Cost Recovery

HSCA allows DEP to seek and recover investigation and response costs incurred by DEP from responsible parties at HSCA sites. After response actions are completed, DEP pursues responsible parties, for instance, where parties are financially viable and will typically negotiate a settlement that may include a long-term payment schedule. Additionally, DEP may enter agreements whereby a responsible person performs the

work and agrees to pay DEP personnel costs for oversight, for example, Multi-Site Agreements.

DEP deposited \$4,138,187.76 of cost recovery payments into the HSCF during FY 2008-09. This figure includes \$43,940.59 in receipts that, upon audit, should have been deposited into other funds. Reconciliation adjustments are in process and will be recorded as a negative receipt during FY 2009-10. The total FY 2008-09 deposit figure also includes \$792,439.14 that was identified as "Cash in Transit" in the HSCA 2008 Annual Report financial statement. This amount was received prior to June 30, 2008, and entered into the commonwealth's system, but not deposited and recorded by the Department of Revenue until after July 1, 2008.

Appendix I contains a list of the site and case names and the payments collected during FY 2008-09.

3.8. Violations and Civil Penalties

Appendix J contains a list of the violations of HSCA that DEP cited during FY 2008-09. All citations were notices of violation and did not include a civil penalty assessment.

DEP did not collect any civil or criminal penalties for violations of the HSCA during FY 2008-09.

Appendix A

DEP Investigations and Responses Funded under HSCA

Site Name	Region	County	House	Senate	Threat	Status of Work
ADSCO	SC	Adams	Moul	Alloway	Groundwater is contaminated with toxic volatile organic chemicals from landfill leachate. Private water supply wells are impacted and have been temporarily replaced. Contamination has discharged to nearby streams. Methane is migrating toward nearby residences.	DEP is maintaining the residential water supply treatment system and the landfill leachate collection and treatment system. DEP installed methane gas vents to mitigate methane migration. DEP is evaluating the leachate treatment system to meet NPDES discharge requirements.
Gettysburg Foundry	SC	Adams	Moul	Alloway	Soil and groundwater are contaminated from the operation of this defunct metal smelting facility. DEP previously completed remedial actions at the site.	DEP is monitoring groundwater and maintaining the waste cap with the latest round of groundwater sampling and analysis in Sept. 2008.
JC Cleaners	SC	Adams	Moul	Alloway	Soil and groundwater are contaminated with toxic volatile organic chemicals. The contamination threatens a public water supply well.	DEP is operating the groundwater remediation (pump and treat) and evaluating the threat of vapor intrusion in the surrounding commercial structures.
York Road PCE	SC	Adams	Nickol	Alloway	The groundwater is contaminated with toxic volatile organic chemicals. Public water supply wells were impacted.	DEP is conducting investigation of the extent of contamination and threats to health and the environment
Eastmont Dry Cleaners	SW	Allegheny	Markosek	Logan	Soil and groundwater are contaminated with volatile organic compounds at this closed dry cleaner. Nearby homes have been impacted with vapor intrusion.	DEP previously installed vapor abatement systems in the impacted homes. DEP entered into a CO&A with the property owner who is working with a potential buyer to conduct an investigation and remediation. Additional HSCA work may not be needed if the sale goes through.

Site Name	Region	County	House	Senate	Threat	Status of Work
Forward Township Flyash Site	SW	Allegheny	Levdansky	Stout	A fly ash slide occurred at an old fill area that impacted downstream residential areas. The ash contains arsenic. Ash remains along the stream channel and logging above the stream created a threat of release.	DEP completed removal of fly ash from residential properties and the slide area. Additional removal of ash located along the stream is planned for 2009.
Mazzarro-McKees Rock	SW	Allegheny	Kotik	Fontana	Exposed drums of waste, surface water and sediment contamination at this old municipal/industrial waste landfill.	DEP removed exposed drums of industrial waste and contaminated soil in FY06/07. An investigation of the landfill was completed in FY05/06 and 06/07. Monitoring a slide area and addressing contaminated sediments remains to be performed.
Sobeck Scrapyard	SW	Allegheny	Kotik	Fontana	PCB containing oil from transformers was dumped onto the soil of this scrap yard and metals and organic soil contamination have been found at other areas.	DEP performed a site investigation in 2008. Soil and waste removal will occur in 2009.
Tri State Petroleum	SW	Allegheny	Kotik	Fontana	Soil and groundwater contaminated with organic compounds and PCBs at location of an oil recycling facility.	DEP conducted an investigation and is working with the owner to address impacted areas. DEP may conduct more work if an agreement can not be made.
Fry Glass Dump	SW	Beaver	Marshall	Vogel	Soil contaminated with lead and arsenic from an exposed glass dump on a steep ravine above a stream.	DEP intends to initiate a site investigation in 2009.
General Alloy Casting	SW	Beaver	Marshall	Vogel	Exposed waste and seeps contaminated with metals at this abandoned industrial waste disposal area in a steep ravine.	DEP completed the site characterization in March 2008. Remedial alternative are being evaluated.
Horsehead Brick LF	SW	Beaver	Chrstiana	Vogel	Hazardous levels of lead and other metals at this abandoned disposal area used for zinc smelter waste. Dump located above stream.	DEP completed the site characterization in Feb. 2009. A final report and remedial alternatives are pending.
Kuhns Landfill	SW	Beaver	Sainato	Vogel	Exposed unknown industrial waste and abandoned drums at a former landfill.	DEP intends to investigate the site contamination in 2009.

Site Name	Region	County	House	Senate	Threat	Status of Work
Marino Bros Scrapyard	SW	Beaver	Marshall	Vogel	Soil and groundwater contaminated with PCBs, metals, and organics at this abandoned scrap yard. DEP previously conducted an investigation and removed contaminated soil related to storm sewer excavation work.	DEP is negotiating with the borough and a party interested in redeveloping the site. The Mixed Funding agreement was signed in Nov. 2008 outlining the final cleanup of the site.
FE Cooper	SC	Bedford	Hess	Eichelberger	Soil, groundwater and surface water have been impacted from creosote and other toxic substances. DEP previously completed soil remediation at this site.	DEP completed an evaluation of surface water impacts from hazardous substances remaining in the groundwater in 2007 and will continue to monitor the groundwater to confirm stable contamination levels before lifting stream access restrictions.
Algonquin Chemical	SC	Berks	Knowles	Argall	Groundwater and soils have been contaminated by toxic volatile organic chemicals. DEP previously completed remedial actions to address contaminated soils.	DEP is evaluating and monitoring the in-situ groundwater remediation treatment system.
Armorcast	SC	Berks	Kessler	O' Pake	The Army Corp of Engineers has completed cleanup actions at this site under the Defense Environmental Restoration Program. DEP is conducting groundwater assessment for the brownfield redevelopment of the property.	DEP's groundwater characterization completed in December 2008 will be used in conjunction with a property appraisal so the Berks County Redevelopment Authority can proceed with site redevelopment.
Clements Landfill	SC	Berks	Knowles	Folmer	Soil and groundwater at this site are contaminated with toxic volatile organic chemicals. Several residential wells are impacted.	DEP is monitoring landfill groundwater and surface water and maintaining treatment systems on impacted residences. DEP previously completed investigations and interim responses to remove onsite wastes.
Fourth Ave Site	SC	Berks	Roher	O'Pake	The groundwater is contaminated with toxic volatile organic chemicals. Private water supply well was impacted.	DEP is supplying temporary water to an impacted residence and determining the final water system replacement action for the impacted residence. DEP is sampling nearby residences to determine if additional wells have been impacted.
Laureldale Batteries	SC	Berks	Santoni	O'Pake	The soil is contaminated with toxic inorganic substances.	DEP initiated an investigation in April 2009 to determine the extent of contamination.

Site Name	Region	County	House	Senate	Threat	Status of Work
Monocacy Creek	SC	Berks	Kessler	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is supplying temporary water to impacted residences and preparing to permanently replace the water supplies.
Muhlenberg School	SC	Berks	Santoni	O'Pake	Area residents' are concerned about possible soil contamination at the campus.	DEP completed the investigation of soil contamination and vapor intrusion resulting in a no further action conclusion.
Oreville Quarry	SC	Berks	Day	O'Pake	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is monitoring and maintaining water treatment systems installed on impacted residences. A final groundwater remedy
Reading Industrial Scrap	SC	Berks	Santoni, Caltagirone	O'Pake	Soil is contaminated with toxic metals.	DEP has removed exposed hazardous wastes and fenced the site. DEP initiated further investigation of buried wastes and contaminated soil in May 2008.
Squirrel Hollow	SC	Berks	Kessler	Rafferty	The groundwater is contaminated with toxic volatile organic compounds. Three residential home wells are contaminated.	DEP is supplying temporary water replacement to the impacted homes and is further investigating the contamination.
Eighth and Union Ave	SC	Blair	Geist	Eichelberger	The groundwater is contaminated with toxic volatile organic chemicals.	DEP is conducting investigation of the extent of contamination and threats to health and the environment.
Puritan Cleaners	SC	Blair	Geist	Eichelberger	The groundwater is contaminated with toxic volatile organic chemicals. Methane vapors, which may be caused by off-site factors, have been detected in subsurface soils.	DEP is conducting further investigation of soil and groundwater and vapor intrusion of surrounding structures.
PIDA/Sayre Drum Site	NC	Bradford	Pickett	Yaw	Drums from old railroad shop buried on site. Limited drum removal has been completed. The groundwater is contaminated with toxic solvent.	DEP anticipated performing additional investigation. However, property changed ownership and access has been denied.
Chem Fab	SE	Bucks	Quinn	McIlhinney	Groundwater is contaminated with toxic volatile organic chemicals and hexavalent chromium. The contamination threatens surface water and a nearby public supply well.	DEP is conducting further evaluation of possible remedial actions for site groundwater contamination, and preparing to assist Doylestown to develop a new public supply well if necessary.

Site Name	Region	County	House	Senate	Threat	Status of Work
Cross Keys Site	SE	Bucks	Quinn	McIlhinney	Groundwater is contaminated by toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is conducting a site investigation and supplying bottled water and/or carbon filters to homes affected. Several meetings with local government water authority occurred in 2009 to discuss water supply replacement.
Furlong Mfg	SE	Bucks	Quinn, O'Neil	McIlhinney	Groundwater and soils are contaminated with volatile organic chemicals. Private water supply wells are impacted.	DEP completed soil remediation and is maintaining residential water treatment systems. Negotiations continue with local authority to connect affected homes to public water.
Lawn Avenue	SE	Bucks	Clymer	McIlhinney	Groundwater is contaminated with volatile organic compounds. Multiple private water supply wells are impacted, two with risk to inhalation.	DEP installed carbon filtration units on residential wells with inhalation risk. Bottled water is being supplied to the other residential wells exceeding drinking water standards. Site investigation continues.
Lenape Mfg	SE	Bucks	Clymer	Wonderling	Groundwater is contaminated with volatile organic compounds. Multiple private water supply wells are impacted.	DEP is maintaining carbon filtration units while installing a public water supply line to be completed in the fall of 2009.
Mill Creek TCE	SE	Bucks	Petri	Tomlinson	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is continuing to monitor and maintain residential water supply treatment systems on 5 residential wells.
Sellersville Landfill	SE	Bucks	Clymer	McIlhinney	Site was contaminated by radiological materials, toxic metals and volatile organic compounds. DEP completed soil remediation at the site.	DEP is monitoring the remaining contaminated groundwater at the site.
Tamenend PCE	SE	Bucks	Watson	McIlhinney	Groundwater is contaminated by toxic volatile organic chemicals. Private water wells are impacted.	DEP is initiating a site investigation and will supply bottled water and/or carbon filters to homes affected by the contamination.
Vandor Manufacturing	SE	Bucks	Quinn	McIlhinney	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is continuing to monitor and maintain residential water supply treatment systems. DEP is negotiating with the local townships to get the affected homes hooked up to public water.

Site Name	Region	County	House	Senate	Threat	Status of Work
Franklin Glass	NW	Butler	Ellis	White, Mary Jo	Residential and recreation area soils are contaminated with arsenic from a glass manufacturing facility.	A DEP contractor is conducting a site characterization of the residential area, recreation area and adjacent surface water and sediments.
Shaler JTC	NW	Butler	Hutchinson	White, Donald C	Soils and groundwater are contaminated with toxic volatile organic chemicals and toxic metals. DEP previously completed soil and waste remedial actions.	DEP is monitoring remaining contaminated groundwater at the site.
Bear Creek Chemical Disposal Areas	NW	Butler, Armstrong	Stevenson, Hutchinson, McIlhattan	White, Donald C	Groundwater and soils are contaminated with resorcinol and sulfonic acids. Private water wells and a public water system have been impacted. Contamination has been detected in streams throughout the disposal area.	DEP completed stabilization studies for waste at Hemlock Rd and Kelly Farm sites. DEP is currently performing soil remediation work at the Hemlock Drive location and is further evaluating the Kelly Farm site.
Bear Creek Waterline	NW	Butler, Armstrong	Stevenson, Hutchinson, McIlhattan	White, Donald C	Groundwater and soils are contaminated with resorcinol and sulfonic acids. Approx. 900 private water supply wells and a public water supply system have been impacted.	The waterline construction and residential connections were completed in September 2008.
7-H Skeet Club	SW	Cambria	Haluska	Wozniak	Soil contamination with lead on DCNR property resulting from years of skeet shooting activities.	DEP will begin the site characterization work in July 2009.
Bishop Tube	SE	Chester	Milne	Dinniman	Soils and groundwater are contaminated with toxic volatile organic chemicals. There is a threat of the contamination discharging to a nearby stream.	DEP has signed an agreement with the new developer for soil remediation. DEP and the developer have installed a combination soil and shallow groundwater treatment system. The developer is currently operating it. DEP intends to take over operation of the system within the next year.
Camp Council Road	SE	Chester	Milne	Dinniman	Groundwater is contaminated with toxic volatile organic chemicals.	DEP is monitoring and maintaining residential water supply treatment systems at 12 homes.

Site Name	Region	County	House	Senate	Threat	Status of Work
Dawson Road	SE	Chester	Drucker	Dinniman	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells were impacted and have been permanently replaced. DEP completed a study of the groundwater.	DEP conducts annual monitoring of contaminated groundwater.
Forge PCE	SE	Chester	Drucker	Dinniman	Groundwater is contaminated with toxic volatile organic chemicals and is a threat to surface water. Private water supply wells were impacted.	DEP conducts annual monitoring of contaminated groundwater. DEP permanently replaced impacted water supplies and completed a study of the groundwater in 1999.
Gray Brothers Yard	SE	Chester	Milne	Dinniman	Wastes containing hazardous substances were reportedly disposed on this site, potentially contaminating soil and groundwater.	DEP initiated a preliminary investigation in March 2009 to determine the nature and extent of contamination.
National Precision Casting	SE	Chester	Milne	Dinniman	The site soil and groundwater is contaminated with toxic metals from a defunct foundry and manufacturing facility.	DEP completed a facility decontamination and capped a disposal area on the site. DEP is monitoring the groundwater contamination remaining at the site.
Quality Service Cleaners	SE	Chester	Houghton	Pileggi	Groundwater and soils are contaminated with toxic volatile organic chemicals.	DEP has completed a site investigation and installed residential water supply treatment systems. DEP is working with a prospective buyer who may agree to perform cleanup actions at the site.
Karnish Industries – Ron's Rental	NC	Clinton	Hanna	Wozniak	The site is contaminated with radiological materials from the prior use of the site as a radium paint instrument repair facility.	DEP removed radiologically contaminated soil and a building in February 2009. A ventilation system was installed in an adjacent building. A site investigation continues.
Keystone Instruments	NC	Clinton	Hanna	Wozniak	The site is contaminated with radiological materials from the operation of a radium paint instrument repair facility.	DEP initiated an investigation in the spring of 2009 of the exterior of the repair facility to determine whether contamination has occurred.
Schiller Site	NW	Crawford	Roae	Robbins	The soil and groundwater are contaminated with toxic volatile organic chemicals and toxic metals. DEP previously completed soil and waste remedial actions.	DEP continues to monitor nearby residents on private wells with treatment.

Site Name	Region	County	House	Senate	Threat	Status of Work
Allen Road	SC	Cumberland	Perry / Gabig	Vance	Groundwater is contaminated with toxic volatile organic chemicals.	DEP is investigating the extent of groundwater contamination and threats to health and the environment. One resident and several businesses are on alternate water supplies.
Stoney Creek Technologies	SE	Delaware	Kirkland	Pileggi	This chemical manufacturing facility is in bankruptcy. Reactive acids and toxic chemicals are stored on the property and are threatening to be released.	DEP is maintaining isolation controls on the chemical storage tank to prevent a widespread airborne release. EPA is working on removing the chemical products under a federal Superfund removal action.
Currie Landfill	NW	Erie	Fabrizio, Hornaman	Earll	Soils, groundwater and surface water are contaminated with toxic volatile organic chemicals.	DEP has completed a surface waste removal and site investigation. DEP intends to complete design of remedial action during FY 2009-10.
Lake City VOC	NW	Erie	Evans, John	Earll	Groundwater is contaminated with toxic volatile organic chemicals. Public water supply wells are potentially threatened. DEP previously completed characterization and modeling of the contaminated groundwater.	DEP is monitoring contaminated groundwater at the site.
Presque Isle Chemical	NW	Erie	Evans, John	Earll	The soils and groundwater are contaminated with toxic volatile organic chemicals and polychlorinated biphenyls from a defunct waste processing operation. Private water supplies were impacted and have been permanently replaced. DEP previously completed remedial actions for the soil and groundwater contamination.	DEP is operating the groundwater remediation system. Monitoring wells are sampled annually.
Tomstown TCE	SC	Franklin	Rock / Moul	Alloway	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is supplying temporary water treatment systems on impacted residences. DEP is completing its investigation on the extent of contamination while the Public water supply is extended to the impacted wells.
Wanyesboro	SC	Franklin	Rock	Alloway	The groundwater and soils are contaminated with toxic volatile organic chemicals. Private water supplies wells are impacted.	DEP is investigating the extent of groundwater contamination. DEP is supplying carbon treatment systems to impacted residential water supplies.

Site Name	Region	County	House	Senate	Threat	Status of Work
Punxsutawney Groundwater	NW	Jefferson	Smith, Sam	Scarnati	Soils and groundwater are contaminated with volatile organic compounds, toxic metals and cyanide from prior electroplating activities. There is a threat of vapor intrusion into nearby residences. Contaminated groundwater has previously been detected in a nearby residential basement.	DEP installed indoor air systems at two homes and is evaluating additional remediation of groundwater and contaminated source areas at the site.
Ivy Industrial Park	NE	Lackawanna	Wansacz, Murphy	Mellow	Groundwater, soil and surface water is contaminated with toxic volatile organic chemicals. Approximately 200 private water supply wells are impacted.	DEP is requiring the responsible parties to conduct investigations, soil remedial actions and the permanent replacement of impacted water supplies. DEP continues to develop a database of collected data at this site. DEP has collected vapor intrusion, soil, sediment, and groundwater.
Marjol Battery	NE	Lackawanna	Murphy	Mellow	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 is providing oversight to the implementation of the final remedial action for the site. The work to consolidate all waste and cap on site has begun. The work is being conducted by the property owner through a consulting contractor.
Meadow Avenue PCE Site	NE	Lackawanna	Ken Smith, Murphy	Mellow	Groundwater is contaminated with toxic volatile organic chemicals. There is a potential threat for vapor intrusion into nearby buildings.	DEP is performing a site characterization. A vapor intrusion study was completed in Dec. 2008. Risk to indoor air is below action levels.
Winship Road	NE	Lackawanna	Ken Smith,	Mellow	Groundwater is contaminated with toxic volatile organic chemicals from illegal waste disposal. DEP previously removed waste and contaminated soil.	DEP is monitoring and maintaining the residential water supply treatment systems.
Berkley Products Plant	SC	Lancaster	Boyd	Brubaker	Groundwater and soils are contaminated with toxic volatile organic chemicals. The contamination has caused indoor air in nearby residences to be contaminated above health based levels. Contaminated groundwater is discharging to a nearby stream.	DEP installed vapor mitigation systems on affected residences in 2006 and is working with EPA on further investigation to determine remedial response actions. A site characterization was completed in May 2009.

Site Name	Region	County	House	Senate	Threat	Status of Work
Intercourse TCE Site	SC	Lancaster	Cutler	Brubaker	Groundwater and soils are contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is investigating the extent of groundwater and soil contamination. DEP is supplying temporary water treatment systems to impacted residences while a permanent public water supply system is designed and installed.
Raymark Lower Mill Landfill	SC	Lancaster	Creighton	Brubaker	Waste has been disposed on this site containing toxic metals and asbestos. DEP previously completed grading and capping of the landfill.	DEP is monitoring and maintaining the landfill cap.
Seglock Drums	SC	Lancaster	Creighton	Brubaker	Abandoned drums of hazardous and residual waste	DEP has removed abandoned drums and eliminated threats to health and the environment. A final site completion report was submitted in June 2008.
Kwiatkowski Landfill	NW	Lawrence	Sainato	Robbins	Soils, groundwater and surface water are contaminated with toxic volatile organic chemicals.	DEP suspended monitoring at this site during the first HSCA project shutdown in 2004. DEP intends to reactivate this site in FY 2008-09
Remacor	NW	Lawrence	Gibbons	Vogel	The site is contaminated with flammable materials and toxic metals. The site may be contaminated with radiological materials.	DEP is currently assisting EPA with an emergency waste removal response.
High Quality Plating	NE	Lehigh	Beyer, Reichley	Wonderling	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted. DEP previously completed facility demolition and contaminated soil removal.	DEP completed pilot testing for in-situ chemical oxidation for the contaminated groundwater in June 2008. DEP is monitoring and maintaining the residential water supply treatment system.
Laury Station	NE	Lehigh	Day	Browne	Explosive levels of propane were found in the subsurface. One residence had to be evacuated. Groundwater has been impacted.	Under section 501g emergency response authority, a vapor mitigation system was installed to remove the propane from the subsurface and from the affected home. Site monitoring continues.
Freeland Garland TCE	NE	Luzerne	Eachus	Musto	Groundwater is contaminated by toxic volatile organic chemicals. A public water supply well is potentially threatened.	DEP is performing further site investigation work to evaluate the source of the contamination and monitor the groundwater.

Site Name	Region	County	House	Senate	Threat	Status of Work
Mid Atlantic Coast	NE	Luzerne	Eachus	Musto	The site has suspected organic and metals contamination.	DEP intends to perform an environmental site assessment of the site.
Poly Clean Dry Cleaners	NE	Luzerne	Eachus	Musto	Groundwater and soils are contaminated with toxic volatile organic chemicals. There is a threat of vapor intrusion into nearby residences.	DEP has suspended its investigation of the extent of contamination. DEP has signed an agreement with a private developer who has agreed to undertake the investigation.
C.G. Wood	NW	Mercer	Brooks	Robbins	Groundwater is contaminated with toxic volatile organic chemicals. DEP has completed facility demolition and contaminated soil removal.	DEP is monitoring contaminated groundwater at this site.
Greenville Reynolds Industrial Development	NW	Mercer	Longjetti	Robbins	Industrial and commercial development contaminated with chlorinated solvents. Surface and groundwater have been impacted.	DEP contractor to begin the site investigation work in August 2009.
Pocono Summit PCE	NE	Monroe	Carroll	Musto	Groundwater is contaminated with toxic volatile organic chemicals. Public and private water supply wells are impacted.	DEP conducted an investigation of the extent of contamination at this site which was initiated during FY06/07. Groundwater monitoring will be conducted to establish a continuous pattern.
Yuhas Dump	NE	Monroe	Scavello	Musto	Abandoned drums and containers with unknown contents onsite. Soils, surface water and potentially groundwater are contaminated with toxic metals and toxic organic compounds. Waste materials encroaching on stream.	DEP performed waste removal in April 2008. DEP continues site characterization activities and study remedial alternatives to stabilize the remaining waste pile and eliminate leachate discharges to surface water.
Alderfer Landfill	SE	Montgomery	Godshall	Greenleaf	The site is contaminated with toxic materials, including radiological materials. DEP installed a landfill cap in 1994.	DEP is maintaining the landfill cap and monitoring the site groundwater.
Baghurst Alley	SE	Montgomery	Mensch	Wonderling	Groundwater is contaminated with toxic volatile organic chemicals. Surface water and private wells are impacted.	DEP is monitoring and maintaining residential water treatment systems. DEP is evaluating the installation of a permanent water supply.

Site Name	Region	County	House	Senate	Threat	Status of Work
Boyertown Landfill	SE	Montgomery	Mensch	Rafferty	Methane from the abandoned landfill threatens to migrate off-site and impact nearby residences.	DEP is operating the methane extraction system installed at the site in October 2003.
Chemigraphics	SE	Montgomery	Harper, Gerber	Rafferty	Groundwater at the site is contaminated with toxic volatile organic chemicals.	DEP completed a waste removal effort in March 2000. DEP monitoring of contaminated groundwater to occur in the fall of 2009.
Gilbertsville PCE	SE	Montgomery	Mensch	Rafferty	Groundwater and soils are contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is supplying a temporary source of water to residences. DEP completed the removal of the contaminated soil by excavation and off site disposal in August 2007. DEP is permanently replacing the affected residential water supplies with public water and addressing the remaining contamination.
Hilltop TCE	SE	Montgomery	Quigley	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted. DEP has completed an investigation of contaminated groundwater.	DEP is monitoring and maintaining residential water supply treatment systems and continues to evaluate a permanent water supply solution.
Lower Providence DCE	SE	Montgomery	Vereb	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is supplying temporary water and monitoring residential wells. DEP is investigating the contamination and evaluating a permanent water supply solution.
Macoby Creek	SE	Montgomery	Mensch	Wonderling	Groundwater and soils are contaminated with toxic volatile organic chemicals and toxic metals. A private water supply well is impacted.	DEP completed an investigation of the contamination. DEP is monitoring and maintaining the residential water supply treatment system and completed an interim response to remove the facility and soil contamination in November 2008.

Site Name	Region	County	House	Senate	Threat	Status of Work
Reclamation Resources	SE	Montgomery	Godshall	Greenleaf	Groundwater and soils are contaminated with toxic volatile organic chemicals. Private water supplies were impacted. DEP permanently replaced the impacted supplies in 1998. DEP completed remediation of soil contamination and investigation of the groundwater.	DEP has suspended further monitoring of the remaining contaminated groundwater and decommissioned four monitoring wells in Jan. 2009.
Rittenhouse Road	SE	Montgomery	Vereb	Dinneman	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP will continue to monitor and maintain the residential water supply treatment systems and extend public water to several residences.
Skipview DCE	SE	Montgomery	Mensch	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is supplying temporary water and monitoring residential wells. DEP is investigating the contaminated groundwater and evaluating a permanent water supply solution.
TCE Run Site	SE	Montgomery	Mensch	Wonderling	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is monitoring and maintaining the residential water supply treatment systems. DEP is evaluating further remedial actions.
Turtle Creek	SE	Montgomery	Quigley	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP is supplying residences with a temporary source of water. Two nearby industries, that may be potential sources, are currently conducting investigations.
Valley Forge Park	SE	Montgomery	Briggs	Leach	Asbestos wastes from prior manufacturing operations have been disposed at this site.	DEP completed a site characterization, feasibility study and removed containerized waste in January 2003. DEP is working with the National Park Service to settle allocation of costs. The NPS is expected to address the remaining contamination.
Wolf Run TCE	SE	Montgomery	Quigley	Rafferty	Groundwater is contaminated by toxic volatile organic chemicals. Private water supply wells are impacted.	DEP completed the permanent replacement of affected private water supplies in 2008. DEP continues to investigate the source of contamination.

Site Name	Region	County	House	Senate	Threat	Status of Work
Zeiglersville TCE	SE	Montgomery	Mensch	Wonderling	Groundwater and soils are contaminated with toxic volatile organic chemicals. The contaminated groundwater threatens a public supply well.	DEP completed the remediation of soil contamination. DEP is evaluating a pilot in-situ groundwater gas infusion treatment system to remediate the groundwater.
American Fuel Harvesters	NE	Northampton	Grucela	Boscola	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 monitoring site groundwater.
Bethlehem MGP (City of Bethlehem /Moravian College)	NE	Northampton	Dally	Boscola	The groundwater and soils are contaminated with coal gasification waste consisting of volatile and semi-volatile compounds.	DEP is evaluating the site for further investigation and response. DEP completed a Phase I and intends to perform a Phase II Environmental Assessment of the City of Bethlehem portion of the site. Moravian College conducted a Phase I and Phase II activities at the Moravian portion of the Site.
Delps Road Drum	NE	Northampton	Harhart	Argall	Drums with toxic waste were found in a former farm field that is now being built for a township park. Soil and possible groundwater are impacted.	DEP removed 75 drums from the dump hole and is currently removing contaminated soil. Further site investigation continues.
Herceg Landfill	NE	Northampton	Dally	Browne	Groundwater is contaminated with volatile organic chemicals and inorganic metals. A private water supply well is impacted.	DEP conducted pilot testing on the contaminated groundwater and completed the site characterization in September 2006. DEP is monitoring the impacted private well and maintaining the residential water supply treatment system.
Gryphin Paint	SE	Philadelphia	Taylor	Stack	Hazardous waste in cans, drums and tanks ant closed paint manufacturing facility. Interstate 95 and homes adjacent to the site.	Negotiations with the responsible party are progressing for additional cleanup
Breed Moore	NE	Pike	Peifer	Baker	Laboratory waste consisting of volatile organic compounds threatens a residence and surface water.	DEP contractor completed a waste removal effort in June 2009 eliminating the immediate threat to human health and the environment.

Site Name	Region	County	House	Senate	Threat	Status of Work
Crown Industries	NE	Pike	Peifer	Baker	The groundwater and soils at this site have been contaminated with toxic volatile organic chemicals, poly-chlorinated biphenyls and dioxins. Private water supplies are impacted. DEP previously completed remedial actions for contaminated soils at the site.	DEP is monitoring and maintaining residential water supply treatment units as well as collecting samples from on-site monitoring wells on a biannual basis. Carbon units to be removed from all homes except one because they are no longer needed based on historical monitoring data as per the PADOH.
Ashland Metals	NE	Schuylkill	Goodman, Seip	Argall	Soils are contaminated with lead and toxic metals from a defunct battery and metal recycling operation. DEP previously completed remedial actions at the site.	DEP continues to monitor the groundwater.
Coaldale MGP	NE	Schuylkill	Knowles	Argall	The soils are contaminated with coal gasification waste consisting of volatile and semi-volatile compounds.	DEP completed a site investigation of the contamination in October 2004 and Remedial Action Alternative Report in February 2005. A containment remedy was recommended.
Frackville Industrial Park TCE (Titanium Wire)	NE	Schuylkill	Goodman	Argall	Groundwater is contaminated with toxic volatile organic chemicals. There is a potential threat to nearby private water supplies.	DEP has not been able to begin an investigation into the contamination at this site due to resource limitations. DEP continues to monitor private water supplies.
Giordano Materials	NE	Schuylkill	Goodman, Seip	Argall	Soils are contaminated with lead and toxic metals from a defunct battery and metal recycling operation	DEP previously completed remedial actions at the site in 1990 to remove the contamination source and in 1997 to remove contaminated soils. DEP continues O&M activities including grass cutting, ground water monitoring and site maintenance.
Girardville MGP	NE	Schuylkill	Seip	Argall	The soils are contaminated with coal gasification waste substances. DEP previously completed a site investigation.	DEP completed an interim response in November 2008 covering the contamination source with an asphalt cap.
Mahanoy City MGP	NE	Schuylkill	Goodman	Argall	The soils are contaminated with coal gasification waste substances.	DEP began a site investigation June 2008.
McAdoo Associates	NE	Schuylkill	Knowles	Argall	Organic layer discovered in on-site monitoring well.	DEP intends to investigate potential threats to nearby residences in FY2008-09.

Site Name	Region	County	House	Senate	Threat	Status of Work
Schuylkill Haven MGP	NE	Schuylkill	Seip	Argall	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 will implement the contaminated source remedy in 2009/10.
Shenandoah MGP	NE	Schuylkill	Goodman	Argall	The groundwater and soils are potentially contaminated with coal gasification waste substances.	DEP will evaluate the site for possible further investigation and response.
Nordmont	NC	Sullivan	Pickett	Yaw	The site is contaminated with wastes disposed during prior wood chemical and acid manufacturing operations.	DEP completed removal of wastes from this facility in FY2008-09.
Former Erie Railyard	NE	Susquehanna	Major	Baker	The groundwater and soils are potentially contaminated with coal gasification waste substances.	DEP commenced site characterization work in December 2008
Westfield Tanning	NC	Tioga	Baker	Scarnati	This tanning facility shut down operations and walked away from the site in May 2005. Hundreds of drums and containers of wastes and products remain on site.	DEP completed the removal of the containerized waste and tanning vat waste in December 2008.
Seneca Drum Site	NW	Venango	Hutchinson	White, Mary Jo	Soils and groundwater are contaminated with waste materials included VOCs from auto undercoating waste.	DEP completed an interim response to eliminated the immediate threat from the open pit area and excavate contaminated soil and waste materials. A groundwater characterization study is complete. No further action is required.
Tionesta Creek PCB	NW	Warren	Rapp	Scarnati	Soils and surface water are contaminated with poly-chlorinated biphenyls. Poly-chlorinated biphenyls have been detected in aquatic life, which has resulted in a fish consumption advisory for the area.	DEP is currently reviewing previous investigation reports to determine future actions.

Site Name	Region	County	House	Senate	Threat	Status of Work
American Zinc Company Site	SW	Washington	White	Stout	The surface and soil is contaminated with lead, zinc, and arsenic on this 150 acre site from waste generated by a zinc smelter that operated from 1917 through 1950s.	DEP negotiated a mixed funding settlement with the responsible party for the site characterization and remediation of the site.
CARS of Pgh	SW	Washington	Levdansky	Stout	A prompt interim response was conducted to remove chemicals from this abandoned electroplating operation. The building is deteriorating and in a residential area. Investigation showed contamination under slab.	DEP removed and disposed contaminated waste in 2005. Demolition of the building and contaminated soil removal is planned for 2009.
Mathes Mine	SW	Washington	Levdansky	Stout	Numerous deteriorating and leaking drums and containers of unknown waste were abandoned at a closed deep mine area. PCB containing transformers were vandalized and leaked.	DEP is evaluating the site for further response actions.
Lakeside PCE	NE	Wayne	Stabeck	Baker	Groundwater is contaminated with toxic volatile organic chemicals. Public and private water supply wells are impacted.	DEP is monitoring and maintaining private residential water supply treatment systems.
Tobyhanna UXO	NE	Wayne and Monroe	Scavello,	Mellow	The area contains unexploded artillery ordnance from US Army activities conducted many years ago. Recent residential development is infringing on the borders of the old artillery firing ranges.	DEP has been assisting the U.S. Army Corps of Engineers to clear the former artillery ranges of munitions and debris. DEP completed removal action in an area defined as a potential high hazard area in June 2008 and is continuing work in another area in FY2009-10.
Everglade Junkyard	SW	Westmoreland	Krieger	Ward	Soil and groundwater are contaminated with PCBs, dioxin, and organic compounds at this abandoned scrap yard. Private water supply wells are impacted.	DEP provided treatment systems to impacted private well owners in December 2006. DEP removed the barn and the contamination from the barn area in January 2008. DEP's contractor is completing field work for the investigation and further remediation work will be done after evaluation of investigation results.

Site Name	Region	County	House	Senate	Threat	Status of Work
Harhai Landfill	SW	Westmoreland	Kula	Ward	Allegations of industrial waste disposal at this abandoned landfill located in an area of private water supply wells.	DEP has completed an investigation of the landfill, including extensive sampling of groundwater and surface water on and off-site. DEP is evaluating the remedial alternatives.
Delta Road Drums	SC	York	Saylor	Waugh	Abandoned drums of hazardous and residual waste	DEP completed drum and waste removal and eliminated threats to human health and the environment February 2008.
Industrial Solvents	SC	York	Perry	Piccola	The groundwater and soils are contaminated with toxic volatile organic chemicals. Private water supply wells were impacted and have been permanently replaced. DEP previously completed remedial actions for waste and soil contamination.	DEP will complete the investigation of potential vapor intrusion into nearby residences and the need for institutional controls on properties that may be developed for residential housing. DEP installed vapor mitigation systems in August 2008 for residences that have granted access.
Yorktowne Special Products	SC	York	Saylor	Waugh	Groundwater is contaminated with toxic metals. DEP has completed waste removal, facility decontamination and removal of contaminated soil.	DEP is monitoring the groundwater and working with prospective users of the site for institutional controls to prevent any future human exposure.

Key:

Region
 SE - Southeast Region
 SC - Southcentral Region
 SW - Southwest Region
 NE - Northeast Region
 NC - Northcentral Region
 NW - Northwest Region

Appendix B

Cleanup Activities by Responsible Parties

Site Name	Region	County	House	Senate	Threat	Status of Work
A K Steel (Universal Cyclops)	SW	Allegheny	Kotik	Pippy	The site is contaminated from prior manufacturing operations.	DEP is working with the property owner to address site contamination.
Chevron Springdale	SW	Allegheny	Dermody	Logan	Groundwater is contaminated with volatile organic chemicals. Public water wells impacted	The responsible person is performing groundwater remediation and evaluating the site to determine the source.
Mays Phillips Lane	SW	Allegheny	Mustio	Fontana	Industrial waste disposal area potentially impacting off site areas.	DEP has executed an agreement with the responsibility person for recovery of past DEP costs and for the remediation.
Mays Silver Lane	SW	Allegheny	Mustio	Fontana	Industrial waste disposal area potentially impacting off site areas	The responsible person has completed site closure. Operation and Maintenance activities are ongoing.
McCullough Farm	SW	Allegheny	Mustio	Pippy	Industrial waste disposal area with exposed organic waste and potential off site impacts	The responsible person to completed site closure. Operation and Maintenance activities are ongoing.
Municipal & Industrial Disposal	SW	Allegheny	Levdansky	Logan	Industrial waste disposal areas with numerous OUs, and potential off site impacts	The responsible person is performing remedial design for the remedial response action.
Universal Atlas Cement Company	SW	Allegheny	Deluca	Costa	The site is potentially contaminated from prior operations of cement plant.	DEP is working with a property owner to investigate and cleanup the site in conjunction with redevelopment.
BWXT Shallow Land Disposal Area	SW	Armstrong	Pallone	Ferlo	Area formerly used for disposal of radioactive and chemical wastes from manufacturing operation.	The Army Corps is conducting a cleanup of the radiological contamination as this site was formerly used by the federal government. DEP is working with the Army Corps and BWXT on cleaning up the chemical contamination.
East Mills Disposal Area	SW	Beaver	Marshall	Vogel	Industrial waste disposal areas from steel making process, contaminated with metals and organics.	DEP is working with a new property owner to address site contamination in conjunction with redevelopment.
Boyertown TCE	SC	Berks	Kessler	O'Pake	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	DEP completed installation of a waterline to permanently replace impacted private water supplies. The owner of the suspected source area has entered into an agreement to conduct further remediation.

Site Name	Region	County	House	Senate	Threat	Status of Work
Bryne Eyre	SC	Berks	Rohrer	Rafferty	Soil, sediments, surface and ground water associated with former Grace Mines Facility contaminated with metals, petroleum hydrocarbons and asbestos.	The responsible party has demonstrated attainment of both non-residential statewide health and site specific Act 2 standards.
FR&S#3	SC	Berks	Kessler	O'Pake	Groundwater and soil are contaminated with toxic volatile organic chemicals.	The responsible party is implementing remedial actions for contaminated soils and groundwater under an agreement with DEP.
Westerly Sewage Treatment Plant	SC	Blair	Geist	Eichelberger	Sludge beds are contaminated with poly-chlorinated biphenyls.	DEP and EPA are working with the authority owner to develop a remedial action plan.
Chancellor site	NC	Bradford	Pickett	Madigan	Hydrochloric Acid spill from a Marcellus Shale gas well contaminated soil.	The responsible person neutralized and removed contaminated soil.
Van Noy Site	NC	Bradford	Pickett	Madigan	Hydrochloric Acid spill from a Marcellus Shale gas well contaminated soil.	The responsible person neutralized and removed contaminated soil.
Fortuna Energy	NC	Bradford	Pickett	Madigan	Hydrochloric Acid spill from a Marcellus Shale gas well contaminated soil.	The responsible person neutralized and removed contaminated soil.
Sayre Railroad Yard	NC	Bradford	Pickett	Madigan	Hydrochloric Acid spill from a Marcellus Shale gas well contaminated soil.	The responsible person neutralized and removed contaminated soil.
Dutch Maid Cleaners	SE	Bucks	Quinn	McIlhinney	The soils and groundwater are contaminated with toxic volatile organic chemicals.	DEP is negotiating with the responsible party to perform further response actions to address soil and groundwater contamination.
Emporium Former Waste Disposal Area	NC	Cameron	Causer	Scarnati	Site is contaminated from prior waste disposal activities.	Potential soil and groundwater contamination is under investigation.
GKN Sinter Metals #1	NC	Cameron	Causer	Scarnati	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater contamination is under investigation.
MW-Driftwood	NC	Cameron	Causer	Scarnati	Buried waste at site generates gas that may cause health effects.	Material discovered during excavation for bridge. The responsible person completed the treatment, excavation and disposal of the waste and soil contamination.
GKN Sinter Metals #6	NC	Cameron	Causer	Scarnati	Groundwater is contaminated with process coolant and a rust preventative.	An interceptor trench has been installed to collect the contamination and is operating.

Site Name	Region	County	House	Senate	Threat	Status of Work
Penn Fuel - Lehighton	NE	Carbon	McCall	Musto	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup was completed during the fiscal year under a Multi-Site Agreement with DEP.
Balfurd Cleaners	NC	Centre	Conklin	Corman	Groundwater and soil are contaminated with toxic volatile organic chemicals.	Soil is contaminated. Onsite soil removed/disposed. The off-site soil and groundwater is being evaluated.
Penn Fuel, Bellefonte	NC	Centre	Benninghoff	Corman	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. A remedial investigation report has been submitted to DEP.
PSU (Fire Training Site)	NC	Centre	Benninghoff	Corman	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater contamination is being cleaned up with a pump and treat system. Quarterly groundwater sampling conducted.
PSU (State College Airport)	NC	Centre	Benninghoff	Corman	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater contamination under investigation.
Penn Fuel - Oxford	SE	Chester	Hershey	Pileggi	The site is contaminated with coal gasification process wastes.	A site investigation has been completed and cleanup is nearly completed. The work is being performed under a Multi-Site Agreement with DEP.
Penn Fuel - Clearfield Boro	NC	Clearfield	George	Scarnati	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under a Multi-Site Agreement with DEP. A site investigation is ongoing.
Croda	NC	Clinton	Hanna	Wozniak	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater remediation is ongoing.
International Paper Alum Tank	NC	Clinton	Hanna	Wozniak	Release from a tank storing alum has impacted groundwater.	The responsible party has been operating a groundwater remediation system. DEP is overseeing the cleanup.
Lock Haven Armory	NC	Clinton	Hanna	Wozniak	Potential contamination from prior operations.	Potential soil and groundwater contamination is under investigation.
Penn Fuel, Lock Haven	NC	Clinton	Hanna	Wozniak	The site is potentially contaminated with coal gasification process wastes.	Site investigation and cleanup scheduled under Multi-Site Agreement with DEP. The field investigation is ongoing.
PG Energy, Bloomsburg	NC	Columbia	Millard	Gordner	The site is potentially contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. A site investigation is ongoing.

Site Name	Region	County	House	Senate	Threat	Status of Work
GE Static Power	SE	Delaware	Miccarelli	Williams, A.	Groundwater is contaminated with toxic volatile organic chemicals.	The responsible party has installed indoor air ventilation systems in residences affected by the contamination and is conducting further investigation of the site. DEP is reviewing the work.
Mt. Union Creosote	SC	Huntingdon	Fleck	Eichelberger	Soil and groundwater are contaminated with creosote compounds.	DEP completed an interim response to eliminate direct contact threats for the school athletic fields. The responsible party has completed further investigation of the contamination at the site under an agreement with DEP. The responsible party is implementing a remedial action to address contaminated soils.
Marjol Battery	NE	Lackawanna	Shimkus	Mellow	The facility is contaminated with lead and other toxic metals from prior waste disposal practices. The facility is under federal hazardous waste corrective action.	Owner is implementing the final remedial action for the site, which is consolidation and capping of the waste on site.
PG Energy - Carbondale	NE	Lackawanna	Staback	Mellow	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under a Multi-Site Agreement with DEP. A site investigation is ongoing.
PG Energy - Scranton Bridge Street	NE	Lackawanna	Smith	Mellow	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under a Multi-Site Agreement with DEP. A site investigation is ongoing.
PG Energy - Scranton Greenridge Holder	NE	Lackawanna	Smith	Mellow	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under a Multi-Site Agreement with DEP. A site investigation is ongoing.
Precision National Plating Services	NE	Lackawanna	Wanasacz	Mellow	The groundwater is contaminated with chromium.	The facility owner is remediating this site under the supervision of DEP and EPA.
Conestoga Pines Park	SC	Lancaster	Sturla	Armstrong	Groundwater and surface water is contaminated with toxic volatile organic chemicals.	The responsible party is performing an investigation of the groundwater contamination.
Bridgeworks Industrial Site	NE	Lehigh	Beyer, Mann, Samuelson, Brennan	Browne	Soil and Groundwater are contaminated with toxic volatile organic chemicals and heavy metals.	Soil and groundwater investigation was completed and Site has been redeveloped.
Montex Textiles	NE	Lehigh	Beyer, Mann, Samuelson, Brennan	Browne	The site is potentially contaminated from prior operations.	Potential soil and groundwater contamination may be investigated at this property. The abandoned textile plant was demolished.

Site Name	Region	County	House	Senate	Threat	Status of Work
Certaineed	NE	Luzerne	Yudichak	Lemmond	The site is potentially contaminated from buried waste drums.	Potential soil and groundwater is under investigation.
Church Road TCE	NE	Luzerne	Yudichak	Lemmond	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells were impacted and have been permanently replaced. The responsible party is conducting further investigation work at the site.
PG Energy - Nanticoke#1	NE	Luzerne	Yudichak	Musto	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. A site investigation is ongoing.
PG Energy - Wilkes-Barre	NE	Luzerne	Pashinski	Musto	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under a Multi-Site Agreement with DEP. A site investigation is ongoing.
South Mountain TCE	NE	Luzerne	Boback, Yudichak	Baker	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells were impacted and have been permanently replaced. An owner of a nearby facility is performing an investigation of the contamination.
PG Energy, Montoursville	NC	Lycoming	Everett	Madigan	The site is potentially contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. A site investigation is ongoing.
PG Energy, Muncy	NC	Lycoming	Everett	Madigan	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. A site investigation and soil remediation was completed during the fiscal year.
PG Energy, Williamsport	NC	Lycoming	Cappelli	Madigan	The site is potentially contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. A site investigation is ongoing.
Trinity North & South	NW	Mercer	Wilt	Robbins	Soils and groundwater are contaminated toxic volatile organic compounds, semi-volatile organic compounds, metals, and pesticides.	The responsible party is investigating the extent of the soil and groundwater contamination under DEP review.
Linfield	SE	Montgomery	Quigley	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals.	Private water supply wells were impacted and have been permanently replaced. The responsible party is investigating soil and groundwater contamination under DEP review.

Site Name	Region	County	House	Senate	Threat	Status of Work
Turtle Creek	SE	Montgomery	Quigley	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells are impacted.	The responsible party is supplying residences with a temporary source of water. DEP completed an initial investigation of the contamination during FY06/07. DEP is negotiating with the responsible party to perform additional remediation.
East Allen VOCs	NE	Northampton	Dally	Browne	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater contamination is under investigation.
Kloiber Property	NE	Northampton	Dally	Browne	Groundwater is contaminated with toxic volatile organic chemicals.	Groundwater contamination is under investigation. Cleanup has met interim cleanup objectives and all free product has been removed.
Penn Fuel - Bangor	NE	Northampton	Grucela	Boscola	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup under a Multi-Site Agreement was completed during FY 2008-09.
Former Northumberland MGP	NC	Northumberland	Phillips	Gordner	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup under a Multi-Site Agreement was completed during FY 2008-09.
Milton Regional Sewer Authority	NC	Northumberland	Phillips	Gordner	Lead from former scrapyard operations has contaminated soil.	DEP reviewed closure of soil contamination in conjunction with the expansion of a sewage treatment plant.
Penn Fuel, Shamokin	NC	Northumberland	Belfanti	Gordner	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under a Multi-Site Agreement with DEP. Site investigation is ongoing.
Penn Fuel, Mt. Carmel Boro	NC	Northumberland	Belfanti	Gordner	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup scheduled under Multi-Site Agreement with DEP. Site Investigation is ongoing.
PPL, Sunbury MGP	NC	Northumberland	Phillips	Gordner	The site is contaminated with coal gasification process wastes.	Site investigation and cleanup is scheduled under Multi-Site Agreement with DEP. Groundwater remediation is ongoing.
SEM Materials	NC	Northumberland	Phillips	Gordner	The site is potentially contaminated with poly-chlorinated biphenyls.	The site is under investigation and cleanup.
Port Richmond Gate	SE	Philadelphia	Taylor	Stack	The soil at the site is contaminated with toxic inorganic compounds.	DEP has ordered the responsible party to conduct an investigation of the extent of the contamination.
Former PA House - Lewisburg	NC	Union	Fairchild	Madigan	Potential contamination from prior operations.	Potential soil and groundwater contamination is under investigation.
HMW Enterprises, Inc.	SC	York	Perry	Piccola	Groundwater is contaminated with toxic volatile organic chemicals.	DEP is working with the owner of the source area to enter an agreement to perform site remediation.

Appendix C

Federal Military Formerly Used Defense Sites (FUDS) in Pennsylvania

SITE NAME	MUNICIPALITY	COUNTY
DRAVO Corp East Yard Neville Island	Neville Twp	Allegheny
NIKE PI-02 (Rural Ridge)	Indiana Twp	Allegheny
NIKE PI-03 (Dorseyville)	Indiana Twp	Allegheny
NIKE PI-25	Plum Borough	Allegheny
NIKE PI-42 (Elizabeth)	Elizabeth Twp	Allegheny
NIKE PI-43 (Elrama)	Elrama	Allegheny
NIKE PI-62 (Oakdale)	Oakdale	Allegheny
NIKE PI-71 (Coraopolis)	Coraopolis	Allegheny
NIKE PI-92 (Pittsburgh)	Pittsburgh	Allegheny
NIKE PI-93 (West View)	Ross	Allegheny
Monaca Air Force POL	Potter Twp	Beaver
Birdsboro Army Tank Foundry	Birdsboro	Berks
Reading AAF	Reading	Berks
NIKE PH-07 (Richboro)	Richboro	Bucks
NIKE PH-15 (Bristol)	Bristol Twp	Bucks
NIKE PH-97/99 (Lansdale)	Warrington Twp	Bucks
Tullytown Arsenal	Tullytown	Bucks
NIKE PH-82 (Schuylkill)	Schuylkill	Chester
Lock Haven Air Guard	Lock Haven	Clinton
Keystone Ordinance Works	Greenwood Twp	Crawford
Fort Couch	Lemoyne	Cumberland
Fort Washington	Harrisburg	Dauphin
Olmsted AFB, Sunset Annex	Londonderry Twp	Dauphin
Olmsted Air Force Base	Lower Swatara Twp	Dauphin
NIKE PH-67 (Chester)	Chester	Delaware
NIKE PH-75/78 (Media)	Media	Delaware
Navy/Marine Reserve Center	Erie	Erie
Marietta Air Force Station	Marietta	Lancaster
Camp Reynolds	Greenville	Mercer
Tobyhanna Artillery Range	Tobyhanna	Monroe
NIKE PH-91 (Worchester)	Worchester Twp	Montgomery
Frankford Arsenal	Philadelphia	Philadelphia
Philadelphia AAA PH-02	Philadelphia	Philadelphia
Philadelphia AAA PH-66	Philadelphia	Philadelphia
Susquehanna Ordinance Sub-Depot	Gregg Twp	Union
NIKE PI-52 (Finleyville)	Union Twp	Washington
NIKE PI-36 (North Huntingdon)	N. Huntingdon Twp	Westmoreland
NIKE PI-37 (Rillton)	Sewickley Twp	Westmoreland
New Cumberland Army Depot	Fairview Twp	York
York Naval Ordinance Plant	Springettsbury Twp	York

Appendix D

Pennsylvania Sites on the Federal National Priorities List

The appendix contains a list of “active” sites on EPA’s National Priorities List. This list includes sites 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 in included on EPA’s web site.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Hunterstown Road	Responsible Party	SC	Adams	Moul	Alloway	Groundwater is contaminated with toxic volatile organic chemicals. Soils contain toxic metals and asbestos.	Construction complete. The soil remedy is complete and operating as designed. Groundwater remediation is on-going.
Keystone Landfill	Responsible Party	SC	Adams	Moul	Alloway	Groundwater and nearby surface water are contaminated with toxic volatile organic chemicals and heavy metals.	Construction complete. Landfill cap and gas extraction system has been constructed. Groundwater extraction is on-going. Treatment units have been installed on residential water supplies.
Shrivers Corner	Responsible Party	SC	Adams	Moul	Alloway	Groundwater is contaminated with toxic volatile organic chemicals and has affected residential wells in the area.	Construction complete. Contaminated water supplies were permanently replaced. Groundwater remediation is on-going.
Westinghouse Elevator	Responsible Party	SC	Adams	Moul	Alloway	Groundwater and surface water are contaminated with toxic volatile organic chemicals.	Construction complete. Public waterline was extended to affected residents and a groundwater pump and treat system is currently operating.
Breslube Penn	Responsible Party	SW	Allegheny	Mustio	Pippy	Groundwater and soils are contaminated with toxic volatile organic chemicals and polychlorinated biphenyls. No residential wells have been impacted.	The responsible parties have completed a remedial investigation and feasibility study. EPA and DEP have concurred on the remedial action to be implemented. EPA is negotiating an agreement with the responsible parties for remedial action implementation.
Lindane Dump	Responsible Party	SW	Allegheny	Dermody	Ferlo	The soil and groundwater are contaminated with pesticides.	Construction complete. Responsible parties installed a cap over the landfill and are operating a leachate treatment system at the site.
Ohio River Park	Responsible Party	SW	Allegheny	Deasy	Fontana	Soils in disposal pits contained benzene, toluene, and phenols. Soil and groundwater have been impacted.	Construction complete. Site remediation is complete. Groundwater monitoring and operation and maintenance of the multi-layer cap are on-going.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Resin Disposal	Responsible Party	SW	Allegheny	Levdansky	Pippy	Soils and groundwater are contaminated with toxic volatile organic chemicals. The site has been deleted from the NPL.	Completed. The cleanup remedy for the site included a multi-layer cap for the landfill, an upgraded oil/water separator, and a fence around the perimeter of the landfill. The responsible party performs long-term operation and maintenance of the site.
Craig Farm Drum Dump	Responsible Party	SW	Armstrong	McIlhattan	White (Donald C)	The site is contaminated with toxic volatile organic chemicals and other wastes from the production of resorcinol.	Construction complete. Site remediation is complete. Groundwater and surface water monitoring are on-going. Site leachate is collected and disposed off-site.
Bally Groundwater	Responsible Party	SC	Berks	Reichley	O'Pake	Groundwater is contaminated with toxic volatile organic chemicals and threatens area drinking water supply.	Construction complete. Groundwater is being pumped and treated. A new uncontaminated well is being developed for the area public water supply. Vapor intrusion has been evaluated and one mitigation unit is being installed.
Berks Landfill	Responsible Party	SC	Berks	Rohrer	Folmer	Groundwater is contaminated with toxic volatile organic chemicals and heavy metals. The site has been deleted from the NPL.	Completed. Remedial actions at the site are complete. The responsible party continues to perform long term operation and maintenance.
Berks Sand Pit	State Funded O&M	SC	Berks	Day	O'Pake	Groundwater and the Middle Branch of the Perkiomen Creek are contaminated with toxic volatile organic chemicals. Residential wells are regularly monitored to insure pollutants remain within safe drinking water levels.	Construction complete. DEP has taken over operation and maintenance of the groundwater remediation (pump and treat) system.
Brown's Battery Breaking	Responsible Party	SC	Berks	Seip	Argall	Groundwater is contaminated with lead.	Construction complete. Contaminated soils have been remediated. Groundwater remediation is on-going.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Crossley Farms	EPA Funded and State O&M	SC	Berks	Reichley	O'Pake	Toxic volatile organic chemicals have been detected in on-site groundwater and residential wells downgradient of the site.	DEP has taken over the maintenance of residential carbon treatment units. EPA plans to install a groundwater pump and treat system. DEP is making payments to EPA for the state's share of remedial action costs.
Cryo-Chem	State Funded O&M	SC	Berks	Kessler	O'Pake	Groundwater is contaminated with toxic volatile organic chemicals.	Construction complete. DEP has taken over operation and maintenance of the groundwater remediation (pump and treat) system.
Douglasville Disposal	Responsible Party	SC	Berks	Kessler	O'Pake	The site is contaminated with toxic volatile organic chemicals, heavy metals, and poly-chlorinated biphenyls.	Construction complete. Five-year reviews at the site are on-going to ensure effectiveness of the remedy.
Price Battery	Responsible Party	SC	Berks	Knowles	Argall	Plant soils contain high levels of lead. Residential properties are contaminated with lead from historic air deposition.	Residential lead-contaminated soil has been removed to minimize threat of exposure. Further soil removal activities are on-going. The responsible party is conducting remedial investigation of the site.
Ryeland Road Arsenic	EPA Funded	SC	Berks	Cox	Folmer	Site soils are contaminated with arsenic and lead. Some private properties are also impacted.	DEP is making payments to EPA for the state's share of remedial action costs. EPA has relocated residents and is removing contaminated soils.
Delta Quarries Landfill	Responsible Party	SC	Blair	Stern	Eichelberger	Groundwater and surface water are impacted with toxic volatile organic chemicals and heavy metals.	Construction complete. Groundwater remedial action is on-going.
Bell Landfill	Responsible Party	NC	Bradford	Pickett	Yaw	Leachate from the site was found to contain methylene chloride, vinyl chloride, manganese, and arsenic.	Construction complete. The two site landfills have been closed. Operation and maintenance of the leachate collection and treatment system and landfill cap is continuing.
Boarhead Farms	Responsible Party	SE	Bucks	Quinn	McIlhinney	Groundwater is contaminated with toxic volatile organic chemicals. Wetlands, ponds, and a small unnamed tributary to the Delaware River may be affected by contaminated groundwater.	Construction complete. Residential water supplies have been equipped with granular activated carbon treatment systems. The groundwater treatment system is currently operating.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Chem Fab	EPA Funded	SE	Bucks	Quinn	McIlhinney	Groundwater is contaminated with toxic volatile organic chemicals and toxic inorganic compounds. Contaminated groundwater threatens to impact nearby public water supply wells.	DEP is performing further investigations of the site to evaluate remedial alternatives.
Croyden TCE	State Funded O&M	SE	Bucks	Melio	Tomlinson	Groundwater and 8 residential wells are contaminated with toxic volatile organic chemicals. Several toxic volatile organic chemicals were detected in the surface water samples from Hog Run Creek, a tributary of the Delaware River.	Construction complete. DEP has taken over operation and maintenance of the groundwater remediation (pump and treat) system.
Dublin TCE	Responsible Party	SE	Bucks	Watson	McIlhinney	Groundwater is contaminated with toxic volatile organic chemicals. Private water supplies were impacted.	A public waterline was extended to affected residences. An in-situ cleanup remedy is on-going.
Fischer and Porter	Responsible Party	SE	Bucks	O'Neill	Greenleaf	Groundwater is contaminated with toxic volatile organic chemicals and has affected public water supply wells in the area.	Construction complete. The responsible party continues to operate a groundwater pump and treatment system.
Naval Air Development Center	Responsible Party	SE	Bucks	O'Neill	Greenleaf	Groundwater is contaminated with toxic volatile organic chemicals. Soils and sediments are contaminated with heavy metals.	Construction complete. All remedies for contaminated soil are in place. Remedies for contaminated groundwater are operating properly and successfully.
Revere Chemical	Responsible Party	SE	Bucks	Quinn	Wonderling	Site soils were contaminated with heavy metals, toxic volatile organic chemicals, and polycyclic aromatic hydrocarbons (PAHs).	Construction complete. Remedial action for soil contamination has been completed at the site. Long term monitoring of the site continues.
Watson Johnson Landfill	EPA Funded	SE	Bucks	Clymer	Wonderling	Landfill soils contain toxic volatile organic chemicals, semi-volatile organic compounds, polychlorinated biphenyls, and metals. Groundwater, surface water, and sediments are impacted.	Public water was extended to affected residences. EPA has proposed a cleanup plan for the site, which was published for public comment in the fall of 2008. EPA intends to issue a final decision in 2009.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Bruin Lagoon	State Funded O&M	NW	Butler	Hutchinson	White (Donald C)	Site remediation is complete. The site remains fenced and abandoned. The site has been deleted from the NPL.	Completed. DEP is responsible for monitoring contaminated groundwater and maintaining a cap over the lagoon area.
Hranica Landfill	Responsible Party	NW	Butler	Ellis	Orie	The site was contaminated with toxic metals, poly-chlorinated biphenyls, and toxic volatile organic chemicals. Soil remediation was completed. The site has been deleted from the NPL.	Completed. The responsible parties continue long term monitoring and maintenance of the soil cap.
Palmerton Zinc	Responsible Party	NE	Carbon	McCall	Argall	Soils and sediments in the Aquashicola Creek contain heavy metals including lead. Fish and area livestock are impacted.	The site was divided into many operable units to facilitate cleanup. Remedial actions are on-going.
Tonolli Corporation	Responsible Party	NE	Carbon	McCall	Musto	Site soils, groundwater, and the Nesquehoning Creek are contaminated with lead, cadmium, and other heavy metals.	Construction complete. The responsible party is conducting operation and maintenance of landfill cap. Groundwater and surface water monitoring is on-going.
Centre County Kepone	Responsible Party	NC	Centre	Benninghoff	Corman	Soil, sediment, groundwater and surface water are contaminated with toxic volatile organic chemicals. 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. Sediment removal completed in July 2008. EPA proposed a cleanup plan for operable unit 2 in March 2009.
AIW Frank	EPA Funded	SE	Chester	Milne	Dinniman	Site groundwater is contaminated with toxic volatile organic chemicals. Contaminated groundwater has spread beyond the property boundaries, affecting private drinking water supply wells.	Construction complete. DEP is making payments to EPA for the state's share of remedial action costs. DEP will take over operation and maintenance of the groundwater remediation (pump and treat) system in 2011.
Blosenski Landfill	Responsible Party	SE	Chester	Hennessey	Rafferty	Ground water and surface water contain toxic volatile organic chemicals and heavy metals.	Construction complete. The ground water is currently pumped and treated in an on-site treatment facility.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Foote Mineral	Responsible Party	SE	Chester	Milne	Dinniman	Contaminants of concern include lithium, boron, chromium and toxic volatile organic chemicals in the soil and groundwater. Some onsite soil is slightly radioactive.	A public water line was installed to service impacted homes. On-site buildings and their foundations have been demolished and removed. In-situ solidification of the quarry waste and on-site disposal is continuing.
Kimberton TCE	Responsible Party	SE	Chester	Milne	Dinniman	The groundwater is contaminated with toxic volatile organic chemicals. A tributary to French Creek was also contaminated with toxic volatile organic chemicals.	Construction complete. The responsible party continues to operate a groundwater treatment system.
Malvern TCE	Responsible Party	SE	Chester	Milne	Dinniman	The groundwater and soil are contaminated with toxic volatile organic chemicals. Contaminated groundwater has affected area residential wells.	Construction of a waterline extension and soil vapor extraction system are completed. Groundwater remedial alternatives are being evaluated.
Old Wilmington Road	EPA Funded	SE	Chester	Hennessey	Rafferty	Groundwater is contaminated with toxic volatile organic chemicals and manganese. Private drinking wells have been impacted.	Carbon filtration systems were provided for residences with contaminated wells. The source of the contamination has been determined and EPA is evaluating remedial alternatives.
Paoli Railyard	Responsible Party	SE	Chester	Drucker, Milne	Dinniman	Soil, groundwater, and surface water sediments are contaminated with poly-chlorinated biphenyls.	Construction complete. Operation and maintenance continues on the soil cap and surface water control features.
Parkerford TCE (Recticon Allied Steel)	Responsible Party	SE	Chester	Hennessey	Dinniman	Groundwater and private wells are contaminated with toxic volatile organic chemicals.	Construction complete. Contaminated soil was removed from the site, affected residences were connected to the public water system, and the groundwater extraction system is effectively capturing the site plume.
Strasburg Landfill	State Funded O&M	SE	Chester	Ross	Dinniman	The site was contaminated with toxic metals and toxic volatile organic chemicals.	Construction complete. DEP is maintaining the landfill cap, operating the leachate treatment system, operating the methane flare and maintaining residential carbon treatment units.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Welsh Road	EPA Funded and Responsible Party	SE	Chester	Hennessey	Brubaker	The responsible parties installed a cap over contaminated soils to minimize the direct contact threat from the site. A public waterline was installed to alleviate the groundwater contamination threat to area residents.	Construction complete. The responsible party is maintaining the landfill cap installed at the site.
William Dick Lagoons	Responsible Party	SE	Chester	Hennessey	Rafferty	Soil and groundwater are contaminated with toxic volatile organic chemicals. Soils also contain pesticides.	A waterline was extended to affected residences. Contaminated soils were treated on-site and construction of a groundwater treatment system is on-going.
Jackson Ceramix	EPA Funded	NC	Clearfield/ Jefferson	Gabler, Smith	Scarnati	Wetland soils are contaminated with lead sludge waste.	EPA intends to conduct a further investigation at the site.
Drake Chemical	EPA Funded and Responsible Party	NC	Clinton	Hanna	Wozniak	Soils and groundwater are contaminated with toxic volatile organic chemicals and semi-volatile organic chemicals.	Construction complete. EPA completed remediation of contaminated soil (incineration). Responsible parties continue to monitor and treat groundwater contamination. Deed restriction on groundwater use in place.
Safety Light	EPA Funded	NC	Columbia	Millard	Gordner	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 is removing radioactive waste and certain contaminated buildings. EPA is conducting a further investigation of soil, groundwater and surface water contamination.
Saegertown Industrial Area	Responsible Party	NW	Crawford	Roae	Robbins	Groundwater is contaminated with toxic volatile organic chemicals. A portion of the site has been deleted from the NPL.	Construction complete. An enhanced bioremediation system was installed and continues to operate successfully.
Naval Support Activity Site (Nacy Ship Parts Control Center)	Responsible Party (US Military)	SC	Cumberland	Grell	Vance	Groundwater is contaminated with heavy metals and polynucleated aromatic hydrocarbons (PAHs). Soils contain heavy metals and toxic volatile organic chemicals and sediments contain metals and polychlorinated biphenyls.	The site has been broken down into several operable units to facilitate remediation. Removal and Remedial actions are on-going.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Middletown Airfield	Responsible Party (US Military)	SC	Dauphin	Payne	Piccola	Groundwater and soils were contaminated with toxic volatile organic chemicals and heavy metals. The site was deleted from the NPL.	Completed. Contaminated materials remain and DEP monitors soil disturbance to assure proper management of contaminated soils and exposure threats. Treatment has been placed on the contaminated public water supply wells. The groundwater contamination is monitored.
East Tenth Street	Responsible Party	SE	Delaware	Kirkland	Pileggi	The site is contaminated with toxic volatile organic chemicals, heavy metals, and poly-chlorinated biphenyls.	The site is currently proposed for the NPL, however, due to actions performed by the responsible parties under state oversight, EPA does not plan on completing the listing.
Havertown PCP Site	EPA Funded	SE	Delaware	Vitali	Leach	Area groundwater is contaminated with pentachlorophenol. Non-aqueous phase compounds and oil are present and discharge into Naylor's Run.	DEP is making payments to EPA for the state's share of remedial action costs. DEP will take over operation and maintenance of the groundwater remediation (pump and treat) system in 2011. EPA is implementing additional remedial actions for the Deep Aquifer Operable Unit.
Wade Dump	State Funded O&M	SE	Delaware	Kirkland	Pileggi	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.	Completed. DEP is monitoring contaminated groundwater and maintaining the soil cap.
Lower Darby Creek	EPA Funded and Responsible Party	SE	Delaware, Philadelphia	O'Brien, Donatucci	Farnese, Williams	Area groundwater and seeps are contaminated with metals, polychlorinated biphenyls, and petroleum by-products. Contamination is seeping into Darby Creek.	EPA is evaluating remedial action alternatives at Clearview Landfill. Responsible parties are performing an investigation at the Folcroft landfill.
Lord-Shope Landfill	Responsible Party	NW	Erie	Evans	Earl	Groundwater is contaminated with toxic volatile organic chemicals and heavy metals.	Construction complete. The responsible party continues to operate and maintain the groundwater pump and treat system in conjunction with an in-situ vapor stripping system.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Millcreek Dump Site	State Funded O&M	NW	Erie	Fabrizio, Hornaman	Earll	Groundwater is highly contaminated with toxic volatile organic chemicals.	Construction complete. DEP is operating the groundwater treatment system.
Letterkenny Property Disposal Office Area	Responsible Party (US Military)	SC	Franklin	Kauffman	Alloway	Groundwater is contaminated with toxic volatile organic chemicals and poly-chlorinated biphenyls. Site soils contain toxic volatile organic chemicals and heavy metals. Residential wells could be threatened.	The site has been broken down into several operable units to facilitate remediation. Removal and Remedial actions are on-going.
Letterkenny Southeastern Area	Responsible Party (US Military)	SC	Franklin	Kauffman	Alloway	Groundwater and site soils are contaminated with toxic volatile organic chemicals. Residential wells are potentially affected.	The site has been broken down into several operable units to facilitate remediation. Removal and Remedial actions are on-going.
Aladdin Plating	Responsible Party	NE	Lackawanna	Wansacz, Murphy	Mellow	Groundwater was contaminated with chromium and other metals and threatened local water supplies. The site has been deleted from the NPL.	Completed. Groundwater is being monitored to evaluate plume migration.
Lackawanna Refuse	State Funded O&M	NE	Lackawanna	Wansacz	Mellow	On-site ground water was contaminated with nitrate, heavy metals, and toxic volatile organic chemicals. Off-site ground water was contaminated with the pesticide dieldrin. The site has been deleted from the NPL.	Completed. The property was recently purchased by a local businessman. DEP to turn over operation and maintenance responsibilities to that individual.
Lehigh Electric	State Funded O&M	NE	Lackawanna	Wansacz	Mellow	Site soils contain polychlorinated biphenyls and trichlorobenzene contamination. The site has been deleted from the NPL.	Completed. DEP is maintaining the soil cap and monitoring of contaminated groundwater.
Taylor Borough Dump	Responsible Party	NE	Lackawanna	Wansacz, Murphy	Mellow	The site was contaminated with toxic volatile organic chemicals and pesticides. The site has been deleted from the NPL.	Completed. Operation and maintenance of the soil cap installed at the site continue.
Berkley Products Landfill	State Funded O&M	SC	Lancaster	Creighton	Brubaker	Groundwater is contaminated with low levels of toxic volatile organic chemicals. The site has been deleted from the NPL.	Completed. DEP is responsible for maintaining the landfill cap and monitoring groundwater contamination.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Elizabethtown Landfill	Responsible Party	SC	Lancaster	Hickernell	Folmer	Groundwater is contaminated with toxic volatile organic chemicals and contamination seeps into the Conoy Creek.	Construction of the soil cap and gas extraction system is complete. An investigation of the Groundwater contamination is on-going.
UGI Columbia	Responsible Party	SC	Lancaster	Hickernell	Brubaker	Groundwater is contaminated with toxic volatile organic chemicals. Site soils and sediments in the Susquehanna River are contaminated with coal tar.	Construction complete. Construction of the soil cap system is completed and contaminated river sediments have been removed. The responsible party continues to monitor contaminated groundwater.
Whitmoyer Laboratories	Responsible Party	SC	Lebanon	Swanger	Folmer	Soil and groundwater is contaminated with toxic volatile organic chemicals and arsenic.	Construction complete. Construction of a soil capping system is completed and protected by institutional controls. A groundwater extraction and treatment system is currently operating.
Dorney Road Landfill	Responsible Party	NE	Lehigh	Reichley, Day	Browne	Site soils are contaminated with heavy metals and the groundwater is contaminated with toxic volatile organic chemicals. Groundwater contamination has migrated from the site into residential wells.	Construction complete. Landfill area of the site was capped. Treatment systems were provided for residents with affected wells. Groundwater monitoring is on-going.
Heleva Landfill	EPA Funded and Responsible Party	NE	Lehigh	Day	Browne	Groundwater is contaminated with trichloroethene and has affected a nearby municipal water supply well.	Construction complete. The landfill was capped. A waterline was extended to residents with affected wells. The responsible parties have installed a groundwater pump and treat system. Operation of the treatment system is on-going.
Novak Landfill	Responsible Party	NE	Lehigh	Reichley, Harhart	Browne	Leachate and groundwater are contaminated with toxic volatile organic chemicals and heavy metals. Residential wells were impacted.	Construction complete. Operation and maintenance activities continue. They include maintenance of the landfill cap and leachate/gas collection system as well as residential and monitoring well sampling.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Rodale Manufacturing	Responsible Party	NE	Lehigh	Reichley	Wonderling	Groundwater is contaminated with toxic volatile organic chemicals and has migrated off-site.	Construction complete. Installation of the remedy (groundwater extraction and treatment system) is complete. Operation and maintenance of the system is ongoing.
Butler Mine Tunnel	Responsible Party	NE	Luzerne	Carroll	Musto	Area groundwater and surface water are contaminated with semi-volatile organic compounds and petroleum hydrocarbons.	Construction complete. The responsible parties continue to be responsible for operation and maintenance of the remedy.
C&D Recycling	Responsible Party	NE	Luzerne	Eachus	Musto	Heavy metals were found in on-site and off-site soils which potentially threaten local drinking water supplies.	Construction complete. Contaminated soils, sediment, and debris were excavated, treated, and disposed off-site. The responsible parties continue to operate and maintain the site.
Foster Wheeler Church Road TCE site	Responsible Party	NE	Luzerne	Yudichak	Baker	Groundwater is contaminated with toxic volatile organic chemicals. Private water supply wells were impacted and have been permanently replaced.	EPA has proposed the site for the NPL.
Valmont TCE Site	EPA Funded	NE	Luzerne	Eachus	Musto	Groundwater in the area is contaminated with trichloroethene. Affected residences were connected to the public water system. Five area residences have toxic volatile organic chemicals in the indoor air above the acceptable human health risk based levels.	EPA has installed a soil vapor extraction remedial system for soils below the building. Removal action has been completed for three areas of soils outside the structure. Groundwater remedial action is being evaluated.
Avco (Textron) Lycoming	Responsible Party	NC	Lycoming	Mirabito	Yaw	Groundwater is contaminated with toxic volatile organic chemicals and chromium and impacts a municipal supply well.	A pump and treat system was installed to treat contaminated groundwater and has been operating successfully.
Osborne Landfill	Responsible Party	NW	Mercer	Stevenson	Robbins	Soil and groundwater were contaminated with various heavy metals, toxic volatile organic chemicals, and pentachlorophenol.	Construction complete. Waste disposal areas have been capped and leachate collection and treatment is ongoing.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
River Road	Responsible Party	NW	Mercer	Longietti	Robbins	Landfill leachate is contaminated with toxic volatile organic chemicals from wastes disposed at the landfill. The site has been deleted from the NPL.	Completed. The responsible party installed a cap over the landfill and operates a leachate collection and treatment system.
Sharon Steel	EPA Funded	NW	Mercer	Longietti	Robbins	Groundwater contains elevated levels of metals. Site wetlands and the tributary from the wetlands to the Shenango River also show metals contamination.	EPA is proposing to implement a funded remedial action at the site. The action will consist of installing a cap over waste piles. EPA is testing biosolids for use at the site.
Westinghouse Sharon	Responsible Party	NW	Mercer	Longietti	Robbins	Soil, sediment, and groundwater were contaminated with toxic volatile organic chemicals, poly-chlorinated biphenyls and metals.	Construction complete. The responsible party is currently operating and maintaining the site.
Jacks Creek	Responsible Party	SC	Mifflin	Harris	Corman	Site soils and sediments in Jack's Creek are contaminated with heavy metals and poly-chlorinated biphenyls. Fish are affected.	Construction complete. Soils and wastes were treated and placed in a capped landfill on site. Creek sediments were removed and a fish consumption advisory was placed on the stream. Groundwater monitoring is on-going.
Brodhead Creek MGP	EPA Funded and Responsible Party	NE	Monroe	Scavello	Boscola	Groundwater, surface water, and soils were contaminated with coal tar. The site is deleted from the NPL.	Construction complete. Monitoring of contaminated groundwater is on-going.
Butz Landfill	EPA Funded	NE	Monroe	Scavello	Argall	Activities at the site have resulted in high levels of toxic volatile organic chemicals in domestic wells south of the landfill.	Construction complete. DEP is making payments to EPA for the state's share of remedial action costs. DEP will take over operation of the groundwater remediation (pump and treat) system in 2010.
Tobyhanna Army Depot	Responsible Party	NE	Monroe	Carroll	Musto	Residential wells are contaminated with organic solvents, primarily trichloroethylene (TCE) and tetrachloroethylene (PCE).	Construction complete. Groundwater monitoring is on-going.
Ambler Asbestos	Responsible Party	SE	Montgomery	Taylor	Greenleaf	The site was contaminated with asbestos and asbestos-containing materials. The site has been deleted from the NPL.	Construction complete. Asbestos and asbestos-containing waste have been consolidated and capped. The site has been fenced to control access.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Borit Asbestos	EPA Funded	SE	Montgomery	Taylor	Greenleaf	The site was contaminated with asbestos and asbestos-containing materials.	EPA is performing a removal action to address asbestos contamination on the site.
Commodore Semiconductor	Responsible Party	SE	Montgomery	Vereb	Dinniman	Groundwater is contaminated with toxic volatile organic chemicals and freon and has affected area residential wells.	Construction complete. Operation and maintenance of the groundwater recovery and treatment system is ongoing.
Crater Resources	Responsible Party	SE	Montgomery	Briggs	Leach	Soil and groundwater are contaminated with volatile and semi-volatile compounds.	The responsible party is addressing Contaminated soil by excavating and disposing on-site according to approved plans.
Henderson Road	Responsible Party	SE	Montgomery	Briggs	Leach	Groundwater and the Upper Merion reservoir are contaminated with toxic volatile organic chemicals.	Construction complete. The responsible parties have installed a cap and leachate collection system at the landfill, on-site groundwater and vapor extraction systems, and a treatment plant to treat the contaminated water and vapors.
Naval Air Station Joint Reserve Basin, Willow Grove	Responsible Party	SE	Montgomery	Taylor	Greenleaf	Drinking water supply wells are contaminated with tetrachlorethene.	EPA is reviewing results of site investigations to confirm that all areas of concern have been identified and to determine the extent to which specific sites require response.
North Penn 1	EPA Funded	SE	Montgomery	Godshall	McIlhinney	The ground water is contaminated with toxic volatile organic chemicals.	Construction complete. DEP is take operating and maintaining the groundwater remediation (pump and treat) system.
North Penn 12	Responsible Party	SE	Montgomery	Bradford	Rafferty	Groundwater in the area is contaminated with toxic volatile organic chemicals.	Construction complete. The North Penn Water Authority completed installation of a public water line to all affected residences. The responsible party will maintain the groundwater treatment plant.
North Penn 2	Responsible Party	SE	Montgomery	Godshall	Greenleaf	Wetland soils and surface water sediments are contaminated with heavy metals.	EPA is evaluating a plan submitted by the responsible party to address the TCE-contaminated groundwater and removal of wetlands soils impacted by heavy metals.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
North Penn 5	Responsible Party	SE	Montgomery	Harper, Taylor	Greenleaf	Site groundwater is contaminated with toxic volatile organic chemicals. Contamination has affected one of the North Penn Water Authority production wells.	EPA is evaluating alternatives for remediation of the contaminated groundwater. EPA has proposed and accepted public comments on an interim cleanup plan for some contaminated soils.
North Penn 6	EPA Funded	SE	Montgomery	Godshall	Wonderling	Site groundwater is contaminated with toxic volatile organic chemicals. Contamination has affected several of the North Penn Water Authority production wells.	DEP is making payments to EPA for the state's share of remedial action costs. DEP will take over operation and maintenance of the groundwater remediation (pump and treat) system in 2013.
North Penn 7	EPA Funded	SE	Montgomery	Harper	Greenleaf	Site groundwater is contaminated with toxic volatile organic chemicals. Contamination has affected several of the North Penn Water Authority production wells.	EPA removed areas of soil contamination. DEP is making payments to EPA for the state's share of remedial action costs. EPA is continuing to study groundwater contamination.
Occidental Chemical	Responsible Party	SE	Montgomery	Quigley	Rafferty	Groundwater and soils are contaminated with toxic volatile organic chemicals.	Construction complete. The responsible party is operating the groundwater pump and treat remediation system. The responsible party has completed removal of contaminated soils.
Raymark NPL Site	State Funded O&M	SE	Montgomery	Murt	Greenleaf	Groundwater is contaminated with toxic volatile organic chemicals. Contaminated groundwater has migrated offsite.	Construction complete. DEP is maintaining the lagoon caps and groundwater remediation (pump & treat) system.
Salford Quarry	Responsible Party	SE	Montgomery	Bradford	Wonderling	Residential wells are contaminated with boron.	All residences with impacted or threatened wells have been connected to the municipal system.
Stanley Kessler	Responsible Party	SE	Montgomery	Briggs	Leach	Soil and groundwater are contaminated with toxic volatile organic chemicals.	Construction complete. The existing pump and treat system is successfully removing toxic volatile organic chemicals from captured groundwater.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Tyson's Dump	Responsible Party	SE	Montgomery	Briggs	Leach	Soils and groundwater are contaminated with toxic volatile organic chemicals. Schuylkill River is impacted.	Construction complete. Contaminated soils have been remediated and groundwater remediation is on-going through operation of a groundwater recovery system.
MW Manufacturing	Responsible Party	NC	Montour	Belfanti	Gordner	Soil and groundwater are contaminated with chlorinated solvents.	Construction complete. Contaminated soil and wastes were remediated. A groundwater pump and treat system was constructed and continues to operate successfully.
Hellertown Mfg Site	State Funded O&M	NE	Northampton	Freeman	Boscola	Groundwater at the site is contaminated with toxic volatile organic chemicals, which have migrated off-site toward the nearby Saucon Creek.	Construction complete. DEP has taken over maintenance of lagoon cap and operation of groundwater remediation (pump and treat) system.
Industrial Lane	Responsible Party	NE	Northampton	Freeman	Wonderling	Groundwater is contaminated with toxic volatile organic chemicals. Several private water supply wells have been impacted.	Construction complete. Waterlines have been installed to replace impacted wells. The waste disposal area has been capped. A groundwater remediation system was installed and continues to operate.
Enterprise Avenue Landfill	Responsible Party	SE	Philadelphia	Donatucci	Farnese	Soil and groundwater are contaminated from prior waste disposal. Soil contamination was remediated and the site was deleted from the NPL list.	Completed. The responsible party continues to operate a groundwater pump and treat system and perform long-term monitoring.
Franklin Smelting	EPA Funded	SE	Philadelphia	Taylor	Stack	Slag piles contain various heavy metals, including lead, beryllium, and copper.	EPA has proposed a remedy to construct a RCRA cap and monitor the groundwater. EPA has received and is evaluating public comments on the cleanup plan.
Metal Bank	Responsible Party	SE	Philadelphia	McGeehan	Stack	Groundwater, soils and Delaware River sediments are contaminated with poly-chlorinated biphenyls.	A remedial action plan is being implemented by the responsible parties to remove contaminated soils, sediments from the Delaware River and an underground storage tank.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
Publicker Industries	EPA Funded and Responsible Party	SE	Philadelphia	Donatucci	Farnese	Soils and shallow groundwater were contaminated with toxic volatile organic chemicals from the production of chemicals. The site has been deleted from the NPL.	All remedial actions have been completed. The responsible party continues to monitor the site to make sure institutional and land use controls remain in place.
Eastern Diversified Metals (EDM)	Responsible Party	NE	Schuylkill	Knowles	Argall	Waste piles and sediments contain heavy metals, poly-chlorinated biphenyls, and toxic volatile organic chemicals.	Construction complete. A multi-layer cap was installed to contain wastes on-site. The responsible party continues to maintain the site.
McAdoo Associates	Responsible Party	NE	Schuylkill	Knowles	Argall	Direct contact threat from soils contaminated with heavy metals and low levels of toxic volatile organic compounds. The site is deleted from the NPL.	Completed. The responsible parties continue to maintain engineering controls and monitor groundwater.
Allied Signal (former Bendix Flight Systems)	Responsible Party	NE	Susquehanna	Major	Yaw	Groundwater, surface water, and some private wells are contaminated with toxic volatile organic compounds.	Construction complete. Treatment of contaminated groundwater (pump and treat) is on-going.
Amp Inc. (Glen Rock Facility)	Responsible Party	SC	York	Miller	Waugh	Groundwater is contaminated with toxic volatile organic chemicals. The site has been deleted from the NPL.	Completed. The responsible party is operating a groundwater remediation system.
East Mt. Zion Landfill	State Funded O&M	SC	York	Gillespie	Smucker	The groundwater is contaminated with toxic volatile organic chemicals. Residential wells show no signs of contamination, and the majority of residents are on public water.	Construction complete. DEP is responsible for maintaining the landfill cap and monitoring groundwater contamination. Construction of passive vents for methane gas control has been completed.
Modern Sanitation Landfill	Responsible Party	SC	York	Saylor	Waugh	Groundwater, surface water and soils are contaminated with toxic volatile organic chemicals. Contamination impacts area residential wells.	Construction complete. Landfill cap system and fencing were installed. Contaminated leachate and groundwater are collected and treated.
Old City Of York Landfill	Responsible Party	SC	York	Miller	Waugh	Groundwater and domestic wells were contaminated with toxic volatile organic chemicals. Surface water contains heavy metals.	Construction complete. Groundwater extraction and treatment has been decommissioned. The remaining groundwater contamination is being monitored and land use controls are in place.

Site Name	Lead Agency	DEP Region	County	House	Senate	Threat	Status
York County Landfill	Responsible Party	SC	York	Saylor	Waugh	Groundwater is contaminated with toxic volatile organic chemicals. Area wells were affected. The site has been deleted from the NPL.	Completed. Alternate drinking water is being provided to affected residences. The groundwater pump and treat system (via air stripping) is currently operating.

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 statute.
- DEP Region: DEP has six regional offices that directly oversee response actions. SE – South East, NE – North East, SC- South Central, NC – North Central, SW – South West, NW – North West. See DEP web page 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 investigation, 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.

Appendix E

Financial Statements

Statement of Revenue, Expenditures and Commitments

(dollar amounts in thousands)

	<i>FY 2007-08</i>	<i>FY 2008-09</i>	<i>FY 2009-10</i>
	<i>(Actual)</i>	<i>(Actual)</i>	<i>(Budget)</i>
Beginning Balance	\$ 19,298	\$ 4,656	\$ 17,274
Revenue and Receipts:			
<i>Transfer from Capital Stocks Franchise Tax</i>	\$ -	\$ 40,000	\$ 40,000
<i>Transfer from Legislative Accounts</i>	\$ 12,844	\$ -	\$ -
<i>Hazardous Waste Fees</i>	\$ 2,071	\$ 1,791	\$ 2,000
<i>Interest</i>	\$ 1,070	\$ (396)	\$ -
<i>Refunds of Expenditures</i>	\$ 6	\$ 7	\$ -
<i>Cost Recovery</i>	\$ 2,989	\$ 3,346	\$ 2,000
Revenue Total	\$ 18,980	\$ 44,748	\$ 44,000
<i>Prior Year Lapse</i>	\$ 2,706	\$ 11,017	\$ -
Total Available	\$ 40,984	\$ 60,421	\$ 61,274
 Expenditures/Commitments:			
<i>General Operations - Personnel and Benefits</i>	\$ 18,586	\$ 15,673	\$ 13,930
<i>General Operations - Operating Expenses</i>	\$ 2,966	\$ 1,962	\$ 2,000
<i>General Operations - Fixed Assets</i>	\$ 833	\$ -	\$ 80
<i>General Operations - Transfers (IT Support)</i>	\$ 794	\$ 587	\$ 447
<i>General Operations Subtotal</i>	\$ 23,179	\$ 18,222	\$ 16,457
 <i>Hazardous Sites Cleanup</i>	\$ 12,594	\$ 21,994	\$ 27,900
 <i>Host Municipality Grants</i>	\$ 55	\$ 50	\$ 80
<i>Transfer to Industrial Sites Cleanup</i>	\$ -	\$ -	\$ 2,000
<i>Transfer to Industrial Env. Assessments</i>	\$ -	\$ 2,000	\$ 2,000
<i>Transfer to Household Haz Waste Acct</i>	\$ -	\$ -	\$ 1,000
<i>Small Business Pollution Prevention</i>	\$ 500	\$ 881	\$ 1,000
Expenditures/Commitments Total	\$ 36,328	\$ 43,147	\$ 50,437
 Ending Balance	\$ 4,656	\$ 17,274	\$ 10,837

All revenue based on SAP records. Expenditures/Commitments figures includes unpaid commitments as of 7/1/2009.

* Includes \$792 Cash In Transit - Receipts were posted to SAP records in FY 2007-08 and to Revenue records in FY 2008-09. The Cash In Transit is recorded under FY 2007-08 in this financial statement.

Prepared by DEP Fiscal Management

Hazardous Sites Cleanup Fund

Balance Sheet

June 30, 2009

ASSETS

Cash in Transit	\$	1,795,465.85
Temporary Investments	\$	26,239,806.16
Payroll Receivable - Salary	\$	140.90
Advances to Other Funds	\$	3,000,000.00
Total Assets	\$	31,035,412.91

LIABILITIES AND FUND BALANCE

LIABILITIES

Payroll Payable	\$	481,226.07
Invoices/Accounts Payable	\$	1,285,633.48
Accrued Payables Good Receipts	\$	2,592.79
Total Liabilities	\$	1,769,452.34

FUND BALANCE

Reserved for Encumbrances	\$	4,894,904.55
Reserved Non-Lapsable Balances	\$	4,097,367.62
Reserved for Advances	\$	3,000,000.00
Unreserved/Undesignated	\$	17,273,688.40
Total Fund Balance	\$	29,265,960.57
Total Liabilities and Fund Balance	\$	31,035,412.91

Information taken from Report Prepared by the Office of Comptroller Operations

Appendix F

Hazardous Sites Cleanup Project Activities and Expenditures, FY 2008-09

This appendix lists the estimated expenditures and the type of response activity performed for each project funded by DEP using the Hazardous Sites Cleanup Fund in the fiscal year July 1, 2008 – June 30, 2009. The estimated expenditures include the actual expenditures existing as of July 1, 2009, and an estimate of the obligation remaining to be paid under existing contracts for work completed, but not invoiced, audited and expended as of July 1, 2009. The description of the type of response activity performed includes whether the activity was initiated, completed or was continuing from prior fiscal years.

Hazardous Sites Cleanup Project Estimated Expenditures and Activities

Fiscal Year July 1, 2008 – June 30, 2009

County	Project Name	Estimated Expenditure	Type of Response Activity
Adams	ADSCO	\$22,001	Continued Operation and Maintenance of Water Supply Replacement
Adams	J.C. Cleaners	\$139,023	Continued Operation and Maintenance of Groundwater Remediation
Adams	York Road Site	\$53,775	Continued Further Investigation and Operation and Maintenance of Temporary Water Supply Replacement
Allegheny	Fair Oaks	\$7,846	Continued Operation and Maintenance
Allegheny	Forward Twp Flyash	\$6,181	Continued Interim Response
Allegheny	Sobeck Scrapyard	\$13,618	Initiation of Interim Response
Beaver	General Alloy	\$66,126	Completion of Further Investigation
Beaver	Horsehead Landfill	\$273,511	Continued Further Investigation
Berks	Algonquin Chemical	\$120,000	Continued Operation and Maintenance of Groundwater Remediation
Berks	Armorcast	\$77,883	Continued Further Investigation
Berks	Berks Sand Pit	\$126,350	Continued Operation and Maintenance of Groundwater Remediation
Berks	Clements Landfill	\$3,576	Continued Operation and Maintenance of Water Supply Replacement
Berks	Crossley Farms	\$55,429	Continued Operation and Maintenance of Water Supply Replacement
Berks	Cryo-Chem	\$113,340	Continued Operation and Maintenance of Groundwater Remediation
Berks	Delta Truck	\$597	Completion of Monitoring of Contaminated Groundwater
Berks	Fourth Ave Site	\$64,000	Continued Interim Response
Berks	Laureldale Battery Casings	\$28,130	Initiation of Further Investigation
Berks	Monocacy Creek	\$495	Continued Operation and Maintenance of water supply replacement
Berks	Muhlenberg School	\$22,050	Completion of Preliminary Investigation
Berks	Oreville Quarry	\$35,186	Continued Further Investigation and Operation and Maintenance of Water Supply Replacement
Berks	Reading Industrial Scrap	\$55,121	Continued Further Investigation
Berks	Squirrel Hollow	\$484	Initiation of Water Supply Replacement
Berks	Topton	\$123,122	Continued Operation and Maintenance of Groundwater Remediation and Water Supply Replacement
Blair	Eighth and Union Ave	\$61,287	Continued Further Investigation

Hazardous Sites Cleanup Project Estimated Expenditures and Activities

Fiscal Year July 1, 2008 – June 30, 2009

County	Project Name	Estimated Expenditure	Type of Response Activity
Blair	Puritan Cleaners	\$67,009	Initiation of Further Investigation
Bucks	Chem-Fab	\$710,644	Continued Further Investigation
Bucks	Croyden TCE	\$71,435	Continued Operation and Maintenance of Groundwater Remediation
Bucks	Cross Keys	\$61,434	Continued Further Investigation
Bucks	Furlong Manufacturing	\$5,000	Continued Water Supply Replacement
Bucks	Lawn Ave	\$65,000	Initiation of Further Investigation and Water Supply Replacement
Bucks	Lenape Manufacturing	\$460,537	Continued Water Supply Replacement
Bucks	Mill Creek TCE	\$1,097	Continued Water Supply Replacement
Bucks	Morris Run TCE	\$11,765	Continued Water Supply Replacement
Bucks	Tamenend PCE	\$40,000	Continued Further Investigation
Bucks	Vandor Manufacturing	\$10,000	Continued Water Supply Replacement
Butler	Bruin Lagoon	\$35,983	Continued Operation and Maintenance of Landfill Closure
Butler	Shaler JTC	\$20,962	Continued Monitoring of Contaminated Groundwater
Butler & Armstrong	Bear Creek Area Site	\$252,617	Completion of Water Supply Replacement and Continued Further Investigation of Disposal Areas (Restricted Account)
Butler & Armstrong	Bear Creek Area Site	\$1,273,967	Continued Interim Response, Further Investigation and Completion of Water Supply Replacement
Butler	Franklin Glass	\$75,000	Initiation of Further Investigation
Bradford	PIDA/Sayre Drum	\$9,907	Initiation of Further Investigation
Carbon	Palmerton Zinc	\$15,450	Initiation and Completion of Further Investigation
Cambria	7-H Skeet Club	\$10,297	Initiation of Further Investigation
Chester	AIW Frank	\$6,436	State Superfund Contract Payment
Chester	Bishop Tube	\$70,000	Continued Further Investigation and Interim Response
Chester	Camp Council Rd	\$1,600	Continued Water Supply Replacement
Chester	Gray Bros Yard	\$59,056	Initiation of Further Investigation
Chester	Quality Service Cleaners	\$6,229	Completion of further Investigation
Chester	Strasburg Landfill	\$187,410	Continued Operation and Maintenance of Landfill Closure

Hazardous Sites Cleanup Project Estimated Expenditures and Activities

Fiscal Year July 1, 2008 – June 30, 2009

County	Project Name	Estimated Expenditure	Type of Response Activity
Clearfield	Quehanna Site	\$143,197	Completion of Response
Clinton	Karnish Instruments	\$5,411,625	Initiation of Interim Response
Clinton	Keystone Instruments	\$45,398	Initiation of Further Investigation
Cumberland	Allen Road	\$86,431	Continued Further Investigation
Delaware	Havertown PCP	\$186,059	State Superfund Contract Payment
Delaware	Stoney Creek Technologies	\$331,423	Continued Interim Response
Erie	Mill Creek Dump Site	\$300,000	Continued Operation and Maintenance of Groundwater Remediation
Erie	Presque Isle Chemical	\$51,994	Continued Operation and Maintenance of Groundwater Remediation
Fayette	Allied Chemical Dump	\$2,018	Initiation and Completion of Preliminary Assessment
Franklin	Tomstown TCE	\$205,249	Continued Further Investigation and Operation and Maintenance of Water Supply Replacement
Franklin	Waynesboro TCE	\$24,454	Continued Further Investigation and Water Supply Replacement
Jefferson	Punxsutawney GW Contamination	\$113,577	Continued Further Investigation and Completion of Interim Response
Lackawanna	Ivy Industrial Park	\$52,548	Continued Further Investigation
Lackawanna	Marjol Battery	\$100,201	RCRA Remedial Action Third Party Review
Lackawanna	Meadow Ave PCE	\$114,005	Continued Further Investigation
Lackawanna	Winship Road	\$1,110	Continued Operation and Maintenance of Water Supply Replacement
Lancaster	Berkley Products Landfill	\$12,195	Continued Operation and Maintenance of Landfill Closure
Lancaster	Berkley Products Plant	\$160,000	Continued Further Investigation
Lancaster	Intercourse TCE	\$86,877	Continued Further Investigation and Operation and Maintenance of Water Supply Replacement
Lancaster	Raymark Industries Inc	\$220	Continued Operation and Maintenance of Landfill Closure
Lancaster	Seglock Drums	\$373	Completion of Emergency Response
Lehigh	High Quality Plating	\$40,000	Continued Further Investigation
Lehigh	Laury Station	\$10,327	Continued Emergency Response Follow-up
Luzerne	Freeland/Garland TCE	\$30,000	Continued Further Investigation
Luzerne	Old Murray Complex	\$7,338	Initiation and Completion of Preliminary Assessment

Hazardous Sites Cleanup Project Estimated Expenditures and Activities

Fiscal Year July 1, 2008 – June 30, 2009

County	Project Name	Estimated Expenditure	Type of Response Activity
McKean	Honeywell Specialty Materials	\$1,058	Completion of Act 2 Report Review
Mercer	Greenville Reynolds Ind Development	\$5,000	Initiation of Further Investigation
Monroe	Butz Landfill	\$48,422	State Superfund Contract Payment
Monroe	Pocono Summit PCE	\$18,779	Completion of Further Investigation
Monroe	Tobyhanna UXO	\$1,808,969	Continued Interim Response
Monroe	Yuhas Dump Site	\$199,570	Continued Interim Response
Montgomery	Baghurst Alley	\$104,247	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Boyertown Landfill	\$5,000	Continued Operation and Maintenance of Landfill Closure
Montgomery	Gilbertsville PCE	\$381,097	Continued Further Investigation and Initiation of Interim Response
Montgomery	Hilltop TCE	\$2,120	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Lower Providence DCE	\$174,207	Continued Further Investigation and Water Supply Replacement
Montgomery	Macoby Creek	\$3,075,135	Continued Interim Response
Montgomery	Methacton Ave	\$582	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Moyers Landfill	\$183,286	Continued Operation and Maintenance of Landfill Closure
Montgomery	Skipview DCE	\$6,299	Continued Further Investigation
Montgomery	Reclamation Resources	\$3,497	Completion of Monitoring of Contaminated Groundwater
Montgomery	Rittenhouse Road	\$5,000	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Turtle Creek	\$35,599	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Vaughn (TCE) Run	\$11,581	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Wolf Run TCE	\$50,000	Initiation of Further Investigation
Montgomery	Zeiglerville TCE	\$60,000	Continued Further Investigation
Montgomery	Raymark OU#1&3	\$114,678	Continued Operation and Maintenance of Groundwater Remediation
Montgomery	North Penn 1	\$23,200	Initiation of Operation and Maintenance of Groundwater Remediation
Montgomery	North Penn 6	\$59,760	State Superfund Contract Payment
Montgomery	North Penn 7	\$27,120	State Superfund Contract Payment
Northampton	American Fuel Harvesters	\$11,758	Continued Operation and Maintenance of Landfill
Northampton	Bethlehem MGP	\$2,613	Continued Further Investigation

Hazardous Sites Cleanup Project Estimated Expenditures and Activities

Fiscal Year July 1, 2008 – June 30, 2009

County	Project Name	Estimated Expenditure	Type of Response Activity
Northampton	Delps Road Drum	\$507,402	Initiation of Further Investigation and Continued Interim Response
Northampton	Hellertown Mfg	\$84,500	Continued Operation and Maintenance of Groundwater Remediation
Northampton	Herceg Landfill	\$38,177	Continued Further Investigation
Philadelphia	Gryphin Paint	\$102	Completion of Interim Response
Pike	Breed More	\$81,806	Initiation of Interim Response
Pike	Crown Industries	\$23,628	Continued Operation and Maintenance of Water Supply Replacement
Schuylkill	Ashland Metals	\$844	Continued Operation and Maintenance of Contaminated Soil Cap
Schuylkill	Coaldale MGP	\$28,901	Continued Further Investigation
Schuylkill	Girardville MGP	\$88,275	Continued Interim Response
Schuylkill	Giordano Materials	\$869	Continued Operation and Maintenance of Contaminated Soil Cap
Schuylkill	Mahanoy City MGP	\$217,489	Continued Further Investigation
Schuylkill	McAdoo Associates	\$63,378	Completion of Preliminary Investigation
Schuylkill	Schuylkill Haven MGP	\$29,321	Continued Further Investigation
Statewide	Statewide GTAC and IRRSC Contracts	\$57,211	Program Mgt and Surety Bond Premiums for On-Call Statewide Contracts
Sullivan	Nordmont	\$1,057	Completion of Interim Response
Susquehanna	Former Erie Railyard	\$120,199	Continued Further Investigation
Tioga	Westfield Tanning	\$345,203	Completion of Interim Response
Venango	Seneca Drum Site	\$117,114	Continued Interim Response
Wayne	Lakeside PCE	\$6,643	Continued Operation and Maintenance of Water Supply Replacement
Westmoreland	Everglade	\$158,008	Continued Further Investigation and Initiation of Interim Response
Westmoreland	Harhai Landfill	\$4,967	Completion of Further Investigation
York	East Mt. Zion	\$30,000	Continued Operation and Maintenance of Landfill Closure and State Superfund Contract Payment
York	Industrial Solvents	\$20,000	Continued Further Investigation and Interim Response
		<u>\$20,956,240</u>	(Includes both HSC Execution Authorization and Bear Creek Restricted Account expenditures)

Appendix G

Hazardous Sites Cleanup Project Activities and Expenditures, FY 2007-08

Supplement to August 2008 Hazardous Sites Cleanup Fund Annual Report

This appendix lists the specific expenditures and the type of response activity performed (including whether the activity was initiated, completed or was continuing from prior fiscal years) for each project funded by DEP using the Hazardous Sites Cleanup Fund in the fiscal year July 1, 2007 – June 30, 2008.

Hazardous Sites Cleanup Project Final Expenditures

Fiscal Year July 1, 2007 – June 30, 2008

County	Site Name	Expenditure	Type of Response Activity
Adams	ADSCO	\$138,102	Continued Interim Response and Operation and Maintenance of Water Supply Replacement
Adams	J.C. Cleaners	\$113,787	Continued Operation and Maintenance of Groundwater Remediation
Adams	York Road Site	\$31,862	Initiation of Further Investigation and Operation and Maintenance of Temporary Water Supply Replacement
Allegheny	Forward Twp Flyash	\$15,419	Continued Interim Response
Allegheny	Mazzarro –McKees Rock	\$4,343	Completion of Further Investigation
Beaver	General Alloy	\$76,320	Initiation of Further Investigation
Beaver	Horsehead Landfill	\$93,777	Initiation of Further Investigation
Bedford	FE Cooper	\$9,662	Completion of Further Investigation
Berks	Armorcast	\$48,696	Continued Further Investigation
Berks	Berks Sand Pit	\$58,513	Continued Operation and Maintenance of Groundwater Remediation
Berks	Bryne Eyre	\$14,527	Initiation and Completion of Land Recycling Act Report Review
Berks	Clements Landfill	\$17,520	Continued Operation and Maintenance of Water Supply Replacement
Berks	Crossley Farms	\$78,421	Continued Operation and Maintenance of Water Supply Replacement
Berks	Cryo-Chem	\$15,830	Initiation of Operation and Maintenance of Groundwater Remediation
Berks	Delta Truck	\$9,745	Continued Monitoring of Contaminated Groundwater
Berks	Fourth Ave Site	\$37,157	Initiation of Interim Response
Berks	Monocacy Creek	\$982	Continued Operation and Maintenance of water supply replacement
Berks	Muhlenberg School	\$23,051	Initiation of Preliminary Investigation
Berks	Oreville Quarry	\$36,677	Continued Further Investigation and Operation and Maintenance of Water Supply Replacement
Berks	Reading Industrial Scrap	\$40,521	Initiation of Further Investigation
Berks	Topton	\$27,687	Continued Operation and Maintenance of Groundwater Remediation and Water Supply Replacement
Blair	Eighth and Union Ave	\$6,058	Initiation of Further Investigation
Bucks	Arrow Carting	\$5,661	Continued Monitoring of Groundwater Contamination
Bucks	Chem-Fab	\$993,901	Continued Further Investigation
Bucks	Croyden TCE	\$137,159	Initiation of Operation and Maintenance of Groundwater Remediation

Hazardous Sites Cleanup Project Final Expenditures

Fiscal Year July 1, 2007 – June 30, 2008

County	Site Name	Expenditure	Type of Response Activity
Bucks	Cross Keys	\$5,655	Initiation of Further Investigation
Bucks	Furlong Manufacturing	\$6,216	Continued Operation and Maintenance of Water Supply Replacement
Bucks	Lenape Manufacturing	\$2,765	Initiation of Water Supply Replacement
Bucks	Mill Creek TCE	\$905	Continued Operation and Maintenance of Water Supply Replacement
Bucks	Morris Run TCE	\$13,781	Continued Further Investigation
Bucks	Tamenend PCE	\$8,671	Initiation of Further Investigation
Bucks	Vandor Manufacturing	\$10,852	Continued Operation and Maintenance of Water supply Replacement
Butler	Bruin Lagoon	\$80,597	Continued Operation and Maintenance of Landfill Closure
Butler	Crompton Petrolia	\$501	Completion of Act 2 Report Review
Butler	Shaler JTC	\$56,730	Continued Monitoring of Contaminated Groundwater
Butler & Armstrong	Bear Creek Area Site	\$1,068,870	Completion of Waste Supply Replacement and Continued Further Investigation of Disposal Areas (Restricted Account)
Butler & Armstrong	Bear Creek Area Site	\$26,654	Initiation of Interim Response and Completion of Water Supply Replacement
Centre	Philipsburg Rod and Gun	\$12,116	Completion of Further Investigation
Chester	AIW Frank	\$6,436	State Superfund Contract Payment
Chester	Bishop Tube	\$352,154	Continued Further Investigation and Interim Response
Chester	Strasburg Landfill	\$185,477	Continued Operation and Maintenance of Landfill Closure
Clinton	Karnish Instruments	\$88,375	Initiation of Preliminary Investigation
Cumberland	Allen Road	\$2,189	Initiation of Further Investigation
Delaware	Havertown PCP	\$186,059	State Superfund Contract Payment
Delaware	Stoney Creek Technologies	\$360,759	Continued Interim Response
Erie	Mill Creek Dump Site	\$299,071	Initiation of Operation and Maintenance of Groundwater Remediation
Erie	Presque Isle Chemical	\$78,854	Continued Operation and Maintenance of Groundwater Remediation
Franklin	Tomstown TCE	\$145,358	Continued Further Investigation and Operation and Maintenance of Water Supply Replacement
Franklin	Waynesboro TCE	\$19,425	Initiation of Further Investigation and Water Supply Replacement
Jefferson	Punxsutawney GW Contamination	\$148,707	Continued Further Investigation and Completion of Interim Response
Lackawanna	Ivy Industrial Park	\$163,368	Continued Further Investigation
Lackawanna	Lackawanna Refuse	\$108	Continued Operation and Maintenance of Landfill Closure

Hazardous Sites Cleanup Project Final Expenditures

Fiscal Year July 1, 2007 – June 30, 2008

County	Site Name	Expenditure	Type of Response Activity
Lackawanna	Lehigh Electric	\$4,725	Continued Operation and Maintenance of Contaminated Soil Cap
Lackawanna	Marjol Battery	\$130,741	RCRA Remedial Action Engineering Review
Lackawanna	Meadow Ave PCE	\$41,339	Continued Further Investigation
Lackawanna	Winship Road	\$555	Continued Operation and Maintenance of Water Supply Replacement
Lancaster	Berkley Products Landfill	\$40,454	Continued Operation and Maintenance of Landfill Closure
Lancaster	Berkley Products Plant	\$134,487	Continued Further Investigation
Lancaster	Intercourse TCE	\$368,995	Continued Further Investigation and Operation and Maintenance of Water Supply Replacement
Lancaster	Raymark Industries Inc	\$285	Continued Operation and Maintenance of Landfill Closure
Lancaster	Seglock Drums	\$10,501	Initiation of Emergency Response
Lehigh	High Quality Plating	\$214,724	Continued Further Investigation
Lehigh	Laury Station	\$175,972	Initiation of Emergency Response
Luzerne	Freeland/Garland TCE	\$35,036	Continued Further Investigation
Luzerne	Hunlock Twp Drum	\$1,690	Initiation and Completion of Emergency Response
Luzerne	Slocum Lead	\$203,473	Completion of Further Investigation
McKean	American Refining	\$9,713	Completion of Land Recycling Act Report Review
McKean	Honeywell Specialty Materials	\$16,877	Initiation of Land Recycling Act Report Review
McKean	Lewis Run	\$104,992	Settlement under Section 505(f)
Monroe	Butz Landfill	\$48,422	State Superfund Contract Payment
Monroe	Pocono Summit PCE	\$55,204	Continued Further Investigation
Monroe	Tobyhanna UXO	\$291,796	Continued Interim Response
Monroe	Yuhus Dump Site	\$79,038	Initiation of Interim Response
Montgomery	Baghurst Alley	\$69,329	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Boyertown Landfill	\$4,091	Continued Operation and Maintenance of Landfill Closure
Montgomery	Gilbertsville PCE	\$97,373	Continued Further Investigation and Initiation of Interim Response
Montgomery	Hilltop TCE	\$2,175	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Lower Providence DCE	\$44,841	Initiation of Further Investigation and Water Supply Replacement
Montgomery	Macoby Creek	\$304,505	Initiation of Interim Response
Montgomery	Methacton Ave	\$708	Continued Operation and Maintenance of Water Supply Replacement

Hazardous Sites Cleanup Project Final Expenditures

Fiscal Year July 1, 2007 – June 30, 2008

County	Site Name	Expenditure	Type of Response Activity
Montgomery	Moyers Landfill	\$61,527	Continued Operation and Maintenance of Landfill Closure
Montgomery	Skipview DCE	\$11,864	Initiation of Further Investigation
Montgomery	Reclamation Resources	\$1,747	Continued Monitoring of Contaminated Groundwater
Montgomery	Turtle Creek	\$33,497	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Vaughn Run TCE	\$23,408	Continued Operation and Maintenance of Water Supply Replacement
Montgomery	Wolf Run TCE	\$390,114	Completion of Water Supply Replacement
Montgomery	Zeiglerville TCE	\$31,093	Continued Further Investigation
Montgomery	Raymark OU#1&3	\$32,881	Continued Operation and Maintenance of Groundwater Remediation
Montgomery	North Penn #6	\$59,760	State Superfund Contract Payment
Montgomery	North Penn #7	\$20,340	State Superfund Contract Payment
Northampton	Bethlehem MGP	\$12,951	Initiation of Further Investigation
Northampton	Delps Road Drum	\$147,095	Initiation of Interim Response
Northampton	Hellertown Mfg	\$117,147	Initiation of Operation and Maintenance of Groundwater Remediation and State Superfund Contract Payment
Northampton	Herceg Landfill	\$108,477	Continued Further Investigation
Northampton	Oplinger Quarry	\$550	Completion of Further Investigation
Philadelphia	Gryphin Paint	\$53,607	Initiation of Interim Response
Pike	Crown Industries	\$14,813	Continued Operation and Maintenance of Water Supply Replacement
Schuylkill	Coaldale MGP	\$14,470	Initiation of Further Investigation
Schuylkill	Girardville MGP	\$371,796	Initiation of Interim Response
Schuylkill	Giordano Materials	\$804	Continued Operation and Maintenance of Contaminated Soil Cap
Schuylkill	Mahanoy City MGP	\$14,608	Initiation of Further Investigation
Schuylkill	McAdoo Associates	\$7,531	Initiation of Preliminary Investigation
Schuylkill	Schuylkill Haven MGP	\$15,097	Initiation of Further Investigation
Sullivan	Nordmont	\$176,276	Initiation of Interim Response
Susquehanna	Former Erie Railyard	\$22,113	Initiation of Further Investigation
Statewide	Statewide GTAC and IRRSC Contracts	\$141,036	Program Mgt and Surety Bond Premiums for On-Call Statewide Contracts
Tioga	Westfield Tanning	\$929,970	Initiation of Interim Response
Venango	Seneca Drum Site	\$36,057	Initiation of Interim Response

Hazardous Sites Cleanup Project Final Expenditures

Fiscal Year July 1, 2007 – June 30, 2008

County	Site Name	Expenditure	Type of Response Activity
Wayne	Lakeside PCE	\$13,888	Continued Operation and Maintenance of Water Supply Replacement
Westmoreland	Caldwell Lane	\$7,252	Initiation and Completion of Preliminary Investigation
Westmoreland	Everglade	\$347,790	Continued Further Investigation and Initiation of Interim Response
Westmoreland	Harhai Landfill	\$174,766	Continued Further Investigation
York	Delta Road Drums	\$4,985	Completion of Emergency Response
York	East Mt. Zion	\$33,959	Continued Operation and Maintenance of Landfill Closure and State Superfund Contract Payment
York	Industrial Solvents	\$23,031	Continued Further Investigation and Initiation of Interim Response
		<hr/> \$11,314,372	(Includes both HSC Execution Authorization and Bear Creek Restricted Account expenditures)

Appendix H

**State Expenditures
under the Federal Superfund Program**

State Superfund Contract Status (as of 7/20/2009)

10% State Match Payment Status:

Site Name	Status	Total SSC		Payment Schedule									
		(10% match)	Balance	FY09/10	FY10/11	FY11/12	FY12/13	FY13/14	FY14/15	FY15/16	FY16/17	FY17/18	
AIW Frank 1&2	Active	\$534,596.50	\$19,308.50	\$6,436.00	\$6,436.00	\$6,436.50							
Berks Sand Pit	Complete	\$660,746.00	\$0.00										
Butz Landfill	Active	\$504,653.00	\$97,001.00	\$48,422.00	\$48,579.00								
Crossley Farms OU1	Complete	\$180,000.00	\$0.00										
Crossley Farms OU2	Active	\$1,946,424.00	\$1,889,424.00	\$188,942.48	\$188,942.48	\$188,942.48	\$188,942.48	\$188,942.40	\$188,942.00	\$188,942.00	\$188,942.00	\$188,942.00	\$377,884.00
Croyden TCE	Complete	\$262,229.00	\$0.00										
Cryo-Chem OU2	Active	\$319,450.00	\$12,550.00										
Drake Chemical	Complete	\$13,377,968.00	\$0.00										
East Mount Zion	Close Out	\$9,912.00	\$0.00										
Havertown OU2 GW*	Active	\$2,010,595.00	\$558,182.00										
Havertown OU3 DAQ*	Active	\$793,800.00	\$793,800.00										
Hellertown	Complete	\$495,000.00	\$0.00										
Millcreek OU2	Active	\$700,000.00	\$70,000.00	\$70,000.00									
North Penn 1	Active	\$118,846.40	\$11,884.64										
North Penn 6 OU3	Active	\$651,300.00	\$478,080.00	\$59,760.00	\$59,760.00	\$59,760.00	\$59,760.00	\$59,760.00	\$59,760.00	\$59,760.00	\$59,760.00	\$59,760.00	
North Penn 7 OU2	Active	\$67,800.00	\$27,120.00										
Raymark OU3	Complete	\$405,493.30	\$0.00										
Ryeland Road	Active	\$1,840,000.00	\$736,000.00		\$736,000.00								
Strasburg Landfill	Complete	\$2,408,250.00	\$0.00										
		\$27,287,063.20	\$4,693,350.14	\$373,560.48	\$1,039,717.48	\$255,138.98	\$248,702.48	\$248,702.40	\$248,702.00	\$248,702.00	\$248,702.00	\$248,702.00	\$377,884.00

* Payment of balance will be made using credits from DEP performance of long-term remedial action starting in 2011.

New SSCs and Amendments Anticipated (10% match obligations):

Site Name	Type	10% Cost Estimate	Comments
Berks Sand Pit	Close Out	\$32,541	estimated overrun reported by USEPA
Cryo-Chem OU2	Close Out	\$2,807	estimated overrun reported by USEPA
Croydon TCE	Close Out	-\$11,701	estimated underrun reported by USEPA (refund to state)
Strasburg Landfill	Close Out	-\$549,267	estimated underrun reported by USEPA (refund to state)
Raymark OU3	Close Out	-\$8,318	estimated underrun reported by USEPA (refund to state)
North Penn 1	Close Out	-\$40,666	estimated underrun reported by USEPA (refund to state)

East Mt Zion	Close Out	-\$88	Close Out Received and Executed in FY 2008 - 09
Hellertown	Close Out	\$14,819	estimated overrun reported by USEPA
Millcreek OU2	Close Out	-\$2,467	estimated underrun reported by USEPA
Lower Darby Cr eek	New	\$500,000	\$125,000 payment over 4 years
Sharon Steel	New	\$1,000,000	N/E
Safety Light	New	\$1,300,000	N/E
North Penn 5	New	\$300,000	N/E
Franklin Slag	New	\$540,000	N/E
Drake Chemical	Close Out	N/E	Potential overrun pending EPA contract dispute

N/E = no estimate

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>			
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
Crossley Farms OU1	Residential carbon maintenance	Land use restrictions	\$73,000
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
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		\$12,000
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
			<hr/>
			\$1,602,825
<u>Future State O&M Obligations:</u>			
AIW Frank Corp.	In 2011, Groundwater pump and treat, monitoring		\$266,800
Havertown PCP OU2&3	In 2011, Groundwater pump and treat, monitoring	Site fence, Land use restrictions	\$1,079,000
Butz Landfill	In 2011, Groundwater pump and treat, monitoring	Land use restrictions	\$150,000
Ryeland Road	In 2012, Groundwater monitoring		\$20,000
Crossley Farms OU2	In 2014, Groundwater pump and treat, monitoring		\$270,000
North Penn 6 OU 3	In 2016, Groundwater pump and treat, monitoring		\$308,200
			<hr/>
			\$2,094,000

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”: 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% 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: Operation and maintenance costs identified above are EPA estimates contained in the SSC agreement. Actual yearly costs vary and are reported in Appendix E and Appendix 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 is estimated at \$1.7 million annually.

Appendix I

Cost Recovery, FY 2008-09

Cost Recovery Recorded During FY 2008-09

<u>Site/Case Name</u>	<u>Amount Collected</u>
Bachman Fuel Spill Site	\$289,517.19
Bendix Flight Systems	\$10,544.45
Bottle House Site	\$178,290.00
Butler Mine Tunnel	\$9,643.79
Crossley Farms	\$212,938.93
Dupont/New Castle Works	\$15,000.00
F. E. Cooper (DEP Contract Claim)	\$1,778,033.00
Gettysburg Foundry	\$667.00
Havertown PCP Site	\$25,000.00
Heleva Landfill	\$1,262.82
Hellertown Manufacturing Site	\$3,768.56
Keystone Sanitary Landfill	\$14.60
Lewis Run Municipal Site	\$22,000.00
Macoby Creek	\$15,000.00
Mahoning Quarry	\$59.01
May Properties - Phillips Lane Site	\$66,011.03
Mays Properties (Cash in Transit)	\$647,439.14
Millcreek Dump Site	\$117,562.91
National Granulating (Cash in Transit)	\$144,817.75
Remacor	\$1,832.85
Rodale Manufacturing Site	\$817.44
RSR/Jones Site	\$52,500.00
Slish Road	\$60.00
Tonolli NPL Site	\$3,630.58
Tri-State Petroleum Site	\$1,200.00
Turtle Creek	\$9,420.00
Yorktowne Special Products	\$13,323.94
William Dick Lagoon Site	\$3,000.00
Zieglersville TCE Site	\$15,000.00
DSMOA – Federal Facility Cleanup	\$403,061.48
Columbia Gas Transmission Corp (Multi-Site)	\$1,973.83
UGI Utilities – PG Energy (Multi-Site)	\$11,425.89
UGI Utilities – PPL Gas (Multi Site)	\$34,183.76
PPL Services Corp (Multi-Site)	\$5,064.97
Adjustments in Process	\$43,940.59
Total FY 2008/09 Cost Recovery Revenue	\$4,138,187.76

Appendix J

Violations Cited and Penalties Collected under HSCA, FY 2008-09

Violation Date	Date Resolved	Name	Penalty Amt	Violation Code	Violation Description	Enforcement Type
14-Aug-2008	25-Aug-2008	AEG ENV PROD & SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	22-Aug-2008	ALLSTATE ORC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	14-Aug-2008	APOLLO TRADE & TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	18-Aug-2008	AQUA TEX TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	29-Aug-2008	CHEM ANALYTICS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	11-Sep-2008	COMMERCIAL ENV SOLUTIONS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008		COMMERCIAL ENV SOLUTIONS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	22-Aug-2008	FREEHOLD CARTAGE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008		FREEHOLD CARTAGE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	22-Aug-2008	G TRESCH TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	29-Aug-2008	IMS ENV SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	15-Aug-2008	K & D IND SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	18-Aug-2008	MARCOR REMEDIATION INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	11-Sep-2008	N & D TRANSP CO INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	21-Aug-2008	NORTRU LLC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	25-Aug-2008	PLAINFIELD MOTOR SVC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	21-Oct-2008	PSC IND OUTSOURCING LP	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	29-Aug-2008	R & R TRUCKING INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	15-Aug-2008	TRANSWASTE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
14-Aug-2008	27-Aug-2008	VEOLIA ES SOLID WASTE OF PA INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	18-Nov-2008	APOLLO TRADE & TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	26-May-2009	AUCHTER IND VAC SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	21-Nov-2008	EAP IND INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	04-Dec-2008	FEECORP CORP	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	02-Dec-2008	FREEHOLD CARTAGE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	01-Dec-2008	HYDRO TECH INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	04-Dec-2008	MIDWEST ENV TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	05-Dec-2008	N & D TRANSP CO INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	24-Nov-2008	ROBBIE D WOOD INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
18-Nov-2008	21-Nov-2008	THUNDERBIRD TRUCKING LLC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	11-Feb-2009	ALLSTATE ORC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV

Violation Date	Date Resolved	Name	Penalty Amt	Violation Code	Violation Description	Enforcement Type
30-Jan-2009	10-Feb-2009	APOLLO TRADE & TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	26-May-2009	AUCHTER IND VAC SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009		BIOMEDICAL WASTE SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	31-Jan-2009	BUFFALO FUEL CORP	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	10-Feb-2009	CAMBRIDGE CHEM CLEANING INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	03-Feb-2009	CHEM ANALYTICS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	CLEAN HARBORS ENV SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	CLEAN VENTURE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	DSPL CONSULTANT SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	ENV PROD & SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	ENV PROD & SVC OF VT INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	03-Feb-2009	ETC LOGISTICS LLC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	FERRICK CONSTRUCTION CO INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009		FREEHOLD CARTAGE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009		FT SILFIES INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	03-Feb-2009	HAROLD MARCUS LTD	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	09-Feb-2009	HMHTTC RESPONSE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	03-Feb-2009	IMS ENV SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	LORCO	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	03-Feb-2009	MAUMEE EXPRESS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	02-Feb-2009	OP TECH ENV SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	09-Feb-2009	PRICE TRUCKING CORP	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	09-Feb-2009	PRIDE TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	10-Feb-2009	PSC IND OUTSOURCING LP	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	02-Feb-2009	R & R TRUCKING INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	NULL	RINCHEM CO INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	31-Jan-2009	SELECT TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	05-Feb-2009	SMP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	02-Feb-2009	TF BOYLE TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	04-Feb-2009	TSMTCO	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	02-Feb-2009	VALLEY CITY ENV SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
30-Jan-2009	NULL	VEOLIA ES TECH SOLUTIONS LLC	\$0.00	6020.903	Transportation and management fees not paid	NOV

Violation Date	Date Resolved	Name	Penalty Amt	Violation Code	Violation Description	Enforcement Type
30-Jan-2009	04-Feb-2009	WILLS TRUCKING CO	\$0.00	6020.903	Transportation and management fees not paid	NOV
06-Feb-2009	06-Feb-2009	CONNOLLY ENTERPRISES	\$0.00	6020.503	Failure to comply with access or information request.	NOV
11-May-2009	22-May-2009	APOLLO TRADE & TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	AQUA TEX TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	26-May-2009	AUCHTER IND VAC SVC INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	BALTIMORE TANK LINES INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	CHEM SOLVENTS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	EMPIRE WRECKING CO READING PA	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	ENV PROD & SVC OF VT INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	FEECORP CORP	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	G TRESCH TRANSP INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	GARY W GRAY TRUCKING INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	HMHTTC RESPONSE INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	INLAND WATERS POLL CONTROL SVC LLC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	11-Jun-2009	N & D TRANSP CO INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	16-Jun-2009	PARTS CLEANING TECH LLC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	22-May-2009	RL CARTER TRUCKING INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009	26-May-2009	SUPERIOR CARRIERS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV
11-May-2009		SUPERIOR CARRIERS INC	\$0.00	6020.903	Transportation and management fees not paid	NOV

Abbreviations, Terms:

Name: Name of entity cited.

Violation Code: Citation of the section of the statute cited; 6020 is the Purdon's Statutes citation for the Hazardous Sites Cleanup Act; 903 would indicate section 903.

Enforcement Indicates the type of action DEP used to cite the violation. NOV indicates "Notice of Violation." This is the first step of a graduated system of

Type: enforcement actions.

Pennsylvania's Hazardous Sites Cleanup Program

Department of Environmental Protection

Rachel Carson State Office Building

400 Market Street

Harrisburg, PA 17105-8471

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For more information,
visit www.depweb.state.pa.us, keyword: HSCA.

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