

# Delaware Toxics Reduction Program Annual Report

## 2007



A report by  
the Delaware River Basin Commission  
in cooperation with  
US Environmental Protection Agency Regions 2 and 3  
Pennsylvania Department of Environmental Protection  
New Jersey Department of Environmental Protection  
Delaware Department of Natural Resources and Environmental Control



## The Delaware River Basin Commission

was created in 1961 when President Kennedy and the governors of Delaware, New Jersey, Pennsylvania, and New York signed concurrent compact legislation into law creating a regional body with the regulatory authority to oversee a unified approach to managing a river system without regard to political boundaries. The Delaware River is the longest undammed river east of the Mississippi, extending 330 miles from the confluence of its East and West branches at Hancock, New York, to the mouth of the Delaware Bay. The river is fed by 216 tributaries, including the Schuylkill and Lehigh Rivers in Pennsylvania. In all, the Delaware River Basin contains 13,539 square miles, draining parts of Pennsylvania (6,422 square miles); New Jersey (2,969 square miles); New York (2,362 square miles); and Delaware (1,004 square miles). Also included in the total is the 782 square-mile Delaware Bay.



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# 1. EXECUTIVE SUMMARY

The Delaware River Toxics Reduction Program (DelTRiP) was created in 2004 as a joint effort between the Delaware River Basin Commission (DRBC or Commission), the United States Environmental Protection Agency (EPA), the Pennsylvania Department of Environmental Protection (PADEP), the New Jersey Department of Environmental Protection (NJDEP), and the Delaware Department of Natural Resources and Environmental Control (DNREC). The goal of the DelTRiP is to identify, prioritize, track, and report the status of sites within the Basin that significantly contribute or have the potential to significantly contribute toxic loadings to the Delaware River Basin.

This second annual report of the DelTRiP focuses on sites identified as containing polychlorinated biphenyls (PCBs). DelTRiP staff conducted file reviews to obtain historical information and current remediation status for sites submitted by the State and Federal agencies in the 2006 DelTRiP report.

There were 263 sites identified with PCBs in the 2006 report. Comprehensive research revealed that many of the sites submitted by the State and Federal agencies were either located out of the Delaware River basin, erroneously flagged as containing PCBs, or had reportedly completed remediation years prior. Additionally, 59 site files were unable to be located within their respective State agencies. (For further information, see pages 12-13 and table 6).

The DelTRiP was able to identify 53 sites with ongoing PCB remediation. The identified sites have not been prioritized for this report, however the prioritization scheme may be implemented in future volumes. Federal and State agencies are expected to initiate, revise, and continue actions taken at the prioritized sites to remediate the impacts from these sites. Therefore, the 2008 DelTRiP report will summarize results of remediation and impacts to the basin for 112 sites (53 individual sites with ongoing PCB remediation and 59 sites with currently unavailable files), in addition to any new sites presented subsequent to the publication of this report. The sites identified herein that are

## Major Steps to DelTRiP Implementation

- Step 1:** DelTRiP will identify contaminated sites in each State within the Basin using USEPA and State listings, including but not limited to Superfund listings (NPL and CERCLIS) and State brownfield and hazardous waste sites. Other listings, such as those developed by fire departments or building inspectors, or through municipal wastewater treatment plant trackdown programs also may be used to identify sites.
- Step 2:** Sites identified from “other listings” will be referred to the appropriate Federal/State agencies for action.
- Step 3:** DRBC will incorporate identified sites into GIS.
- Step 4:** State and Federal agencies will quantify the PCB loads being released or that have the potential to be released from contaminated sites identified above.
- Step 5:** DelTRiP will develop criteria to rank each site to determine its significance and to decide if it is to be prioritized for tracking and reporting.
- Step 6:** DelTRiP will prioritize the contaminated sites that significantly contribute, or have the potential to significantly contribute to the PCB load to the Basin.
- Step 7:** DRBC will assemble status information for each prioritized site and track the remediation progress and other actions taken to reduce the releases to the Basin from the contaminated waste sites.
- Step 8:** DRBC will publish an annual report detailing measurable reductions reported by the lead agencies and the status of implementation activities at each prioritized contaminated site, highlighting key milestones and accomplishments.

located out of the basin boundaries will not be referenced in future reports. The sites referenced in this 2007 DelTRiP report as having completed PCB remediation will be maintained in future reports as an inventory. If information is presented in the future that additional remediation is undertaken at any of these sites by the lead agency, the site will be reincorporated into the active DelTRiP registry.

## **2. Delaware Toxics Reduction Program**

### **2007 Annual Report**

#### ***Introduction***

The Delaware River Toxics Reduction Program (DelTRiP) was created in 2004 as a joint effort between the Delaware River Basin Commission, the United States Environmental Protection Agency, the Pennsylvania Department of Environmental Protection, the New Jersey Department of Environmental Protection, and the Delaware Department of Natural Resources and Environmental Control. The New York State Department of Environmental Conservation (NYSDEC) has joined the DelTRiP Committee and next year's report will identify sites, if any, contributing within its jurisdiction. The goal of the DelTRiP is to identify, prioritize, track, and report the status of sites within the Basin that significantly contribute or have the potential to significantly contribute toxic loadings to the Delaware River Basin, and is funded by a grant from the EPA.

DelTRiP also supports an objective of the Delaware Estuary Program (DELEP) implementation of the Comprehensive Conservation and Management Plan (CCMP), which is to develop and implement a Total Maximum Daily Load (TMDL) for PCBs identified under Clean Water Act Section 303(d).

The DelTRiP is a multi-step program to identify and track hazardous waste sites within the Delaware River Basin and to identify a subset of these sites that significantly contribute to the impairments within the Basin. As noted at right, the first steps include the identification, location, and compilation of the sites within the Basin using information available in Federal and State systems. Following these steps, the DelTRiP will determine those sites that have the potential to have a significant impact on the waters of the Basin, especially with regard to impairment designation under Section 303(d) of the Clean Water Act. After prioritization, Federal and State agencies are expected to initiate, revise, and/or continue actions taken at the prioritized sites to remediate the impacts from these sites. The final step is to track and report on the status of the sites identified in the prior year's annual report, emphasizing measurable reductions in loadings to the Basin from the prioritized sites.

The DelTRiP currently focuses on sites identified with PCBs as a contaminant of concern. PCBs were chosen in order to support the DELEP objective to implement a TMDL for PCBs in the Delaware Estuary.

#### **Major Steps to DelTRiP Implementation**

- Step 1:** DelTRiP will identify contaminated sites in each State within the Basin using USEPA and State listings, including but not limited to Superfund listings (NPL and CERCLIS) and State brownfield and hazardous waste sites. Other listings, such as those developed by fire departments or building inspectors, or through municipal wastewater treatment plant trackdown programs also may be used to identify sites.
- Step 2:** Sites identified from "other listings" will be referred to the appropriate Federal/State agencies for action.
- Step 3:** DRBC will incorporate identified sites into GIS.
- Step 4:** State and Federal agencies will quantify the PCB loads being released or that have the potential to be released from contaminated sites identified above.
- Step 5:** DelTRiP will develop criteria to rank each site to determine its significance and to decide if it is to be prioritized for tracking and reporting.
- Step 6:** DelTRiP will prioritize the contaminated sites that significantly contribute, or have the potential to significantly contribute to the PCB load to the Basin.
- Step 7:** DRBC will assemble status information for each prioritized site and track the remediation progress and other actions taken to reduce the releases to the Basin from the contaminated waste sites.
- Step 8:** DRBC will publish an annual report detailing measurable reductions reported by the lead agencies and the status of implementation activities at each prioritized contaminated site, highlighting key milestones and accomplishments.

#### ***Development of the Total Maximum Daily Load***

The DELEP CCMP, approved in September 1996, identified the reduction of toxic substances to the Estuary as one of its important action plans. Since the CCMP approval, the States of New Jersey, Delaware, and Pennsylvania (States) have designated the Delaware River from Trenton to the mouth of the Delaware Bay (Delaware Estuary) as impaired due to PCBs in their biennial Section 303(d) submittals to the EPA. The impairment is due to unacceptable PCB levels in the fish. PCBs, which have been classified by the EPA as a probable human carcinogen, are present in the waters of the Delaware Estuary at concentrations 1,000 times higher than the water quality criteria. The Commission was designated in 2000 as the lead agency to develop the technical basis for the PCB Total Maximum Daily Loads (TMDL). EPA Regions 2 & 3 and the States worked cooperatively with the

Commission to develop PCB TMDLs for the tidal portion of the Delaware River, the implementation of which is essential for removing the fish consumption advisories in the Delaware Estuary.

As part of the TMDL investigation, the DRBC, EPA Regions 2 and 3 and the States estimated the PCB loads from contaminated sites under their respective jurisdictions. The EPA and States then developed ranking criteria to categorize a subset of sites likely to contribute a PCB load to the Delaware Estuary. Subsequently, they developed load estimates (using the Universal Soil Loss Equation) for that subset based on site PCB measurements. Only sites located between the tributary monitoring locations and mainstem Delaware were considered.

### **Implementation Advisory Committee**

A staged approach to establishing the PCB TMDLs, first discussed in Spring 2002, is being used to meet legal and administrative requirements. The Stage I PCB TMDL was approved on December 15, 2003 by the EPA and the Stage II PCB TMDL work is currently scheduled for completion in December 2008. In October 2003, the Commission established an Implementation Advisory Committee (IAC) to assist in the development of early actions to reduce loadings of PCBs to the Estuary. IAC members include representatives from the States of New Jersey, Delaware and Pennsylvania, the EPA, industry, municipal governments, wastewater and water treatment authorities, and environmental groups. The IAC has been working to determine the actions that can be taken immediately to begin mitigating sources of PCBs. The IAC has drafted *A Report and Recommendations of the Delaware River Basin Commission's Total Maximum Daily Load Implementation Advisory Committee*. The draft report includes a Priority Action Plan to identify, prioritize, remediate and track progress in cleaning contaminated sites through the DelTRiP.

### **Pollutant Minimization Plan**

Since the Stage I PCB TMDL approval, the Commission, working with the IAC, has taken the lead to further refine the PCB loading estimates toward the development of the Stage II PCB TMDL and to seek early reduction in PCB loadings to the Delaware River. One of these efforts includes the development of an administrative rule and guidance to require PCB pollutant minimization plans from various NPDES dischargers to the Estuary. On May 18, 2005, the Delaware River Basin Commission approved Resolution No. 2005-9 which amended the *Water Quality Regulations and Water Code* by adding Section 4.30.9, which establishes pollutant minimization plan (PMP) requirements for point and non-point discharges following the issuance of a TMDL or assimilative capacity determination. The PMP

rule specifically requires designated dischargers, with confirmed PCB congeners present in their discharges in Zones 2-5 of the Delaware River, to develop and implement PCB reduction programs in accordance with Section 4.30.9 of the Commission's *Water Quality Regulations*. The PMP approach can also be used for contaminated sites. Current drafts of the IAC Priority Action Plan provide the potential to use the PMP approach at contaminated sites where the DRBC determines that it would be appropriate.

In addition to establishing the PMP requirements, the Commission also announced its cumulative goal of reducing PCBs discharged to the Estuary by 50% from all sources within the next 5 years. The 50% goal is not a requirement



Fig. 1 DRBC Interstate River Zones

for individual discharger plans, but is viewed by the Commission as a target that will emphasize the need to make substantial reductions in the PCB sources to the Estuary. Resolution 2005-9 also directs the Executive Director to establish, in consultation with the IAC, a peer review advisory committee to evaluate PMPs submitted in accordance with the Regulations. PMP progress reports will be reviewed by the Commission, the States, and the peer review advisory committee on an annual basis to evaluate the progress of each discharger toward achieving the maximum practicable reduction.

The PMP regulation provides the discharger with the flexibility to custom design an approach that best meets their specific conditions. PMPs will be required by the Commission until the States incorporate similar requirements into each State-issued NPDES permit at the time of its renewal. This approach sets up the regulatory framework for the performance of the PMP, while providing the site specific flexibility to those with local knowledge of the systems. Using the monitoring data and the application of the best available science and track down and reduction techniques, dischargers will then determine the source of the PCBs and the individualized actions to reduce their introduction to the estuary. Annual reports are required to be filed with the States and the Commission on their track down and reduction progress. PMPs could be used in those cases where all other regulatory programs

(Superfund, RCRA, TSCA etc.) have not successfully resolved PCB loading contributions. The Commission will annually evaluate the general program progress toward achieving its goal of 50% overall reduction of PCBs to the Estuary, which includes the PMPs and other actions taken for measurable reductions from sites. As of the date of this publication, the Commission has received 41 PMPs from dischargers. The first annual report describing PMP activity is expected in March 2007. The Commission is also planning a conference for early 2007 to further discuss activities related to, and the progress of, the Pollutant Minimization Plan program.

### Summary of Progress Since 2006 Report

#### File Search Results

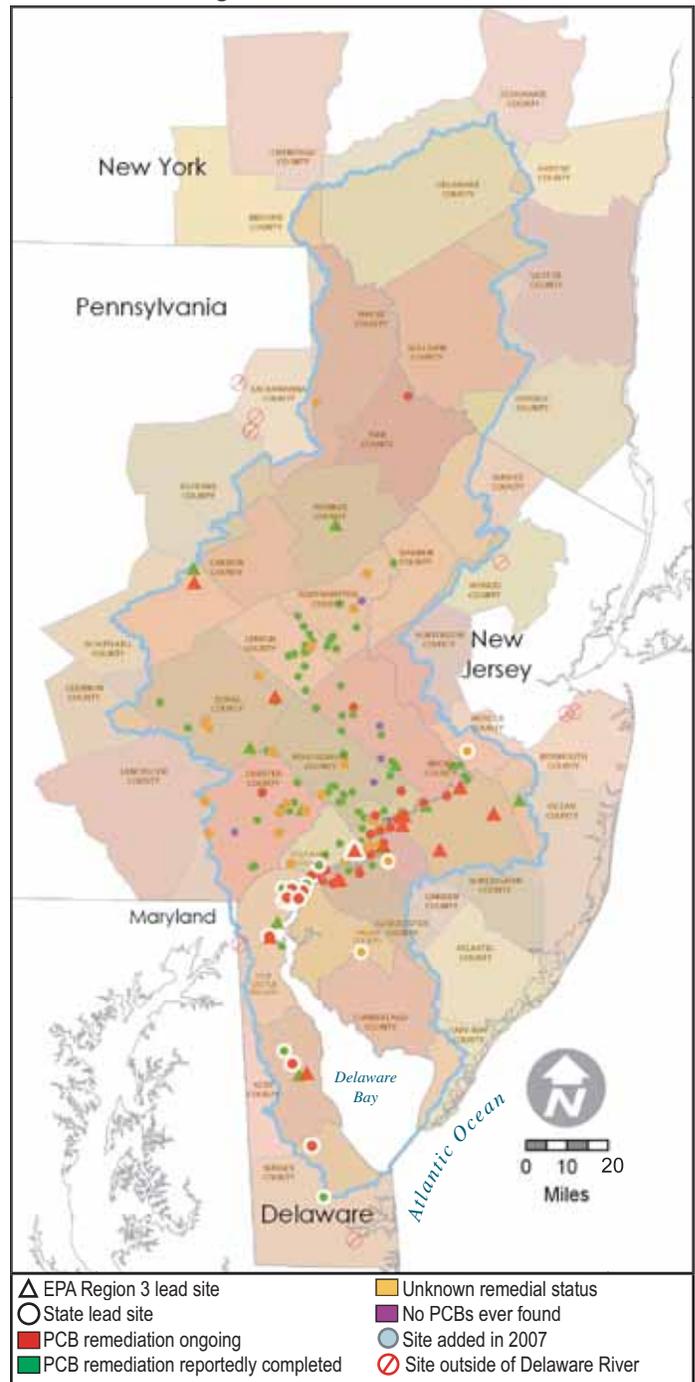
The first annual report of the DelTRiP, released in January 2006, encompassed 263 potentially PCB-contaminated sites (Table 1). The sites were submitted by the respective lead agencies, and were culled from approximately 1,000 hazardous site submissions. For the 2006 report, DNREC submitted approximately 570 potential sites to the DelTRiP, of which eight were identified as having the presence of PCBs on-site. The PADEP presented approximately 266 records of hazardous sites, with 217 sites containing PCBs. The NJDEP submitted 156 records, of which ten distinct sites were identified with PCBs. Data from the EPA identified approximately 28 sites with PCBs throughout the Basin. The PADEP had identified a significantly greater number of sites containing PCBs than the other States and EPA Regions, as the PADEP listings included transformer locations.

**Table 1. 2006 DelTRiP Report Submission Summary**

AGENCY	SITES IDENTIFIED WITH PCBs SUBMITTED FOR 2006 REPORT (from ~1,000 total hazardous waste site submissions)
DNREC	8
NJDEP	10
PADEP	217
EPA	28
<b>TOTAL</b>	<b>263</b>

Specific file searches conducted subsequent to publication of the 2006 report revealed that 19 of the entries submitted by the PADEP were duplicated. 17 of the duplicate entries referenced Pennsylvania Power and Light (PPL) sites. Hence, of the 70 entries for PPL in the 2006 report, only 53 unique PPL sites existed. These sites included utility poles,

**Fig. 2. All DelTRiP Sites**



substations, and defunct or abandoned power generation stations. This 2007 DelTRiP report aggregates the fifty PPL sites into one comprehensive site, both for ease of accounting and to reflect an agreement enacted between the PADEP and PPL as of December 31, 2005 which addressed 144 remaining statewide PPL sites under one remediation order.

**Therefore, only 244 unique sites were cited in the 2006 report.** However, a significant portion of the 244 sites lacked even the most basic information. Many sites simply contained a site name, without any location information or

were submitted by multiple agencies. Others included site histories that had not been updated for several years.

In order to obtain site information and remediation status, additional site research was necessary. DRBC staff traveled to the EPA Region 2 office, PADEP Northeast and Southeast Sections offices, the NJDEP office, and the DNREC Site Investigation and Remediation Branch office to conduct file reviews. The EPA Region 3 submitted site status updates unaided by DRBC staff.

**Table 2. 2006 DelTRiP Report's Sites' File Reviews**

<i>Total Entries Submitted</i>	<b>263</b>
Sites Located Out of the Basin	9
Sites Erroneously Flagged for PCBs (i.e. PCBs not found)	8
Entries w/ Reportedly Completed PCB Remediation	133
Site Files Unavailable for Review	57
Sites with Ongoing PCB Remediation	37
Duplicate Site Entries	19

The reviews revealed that a significant number of sites that were identified as active in the 2006 report had reportedly completed remediation in years prior. The sites were each remediated to the completion standards of their lead agency; each State and agency has differing remediation standards. Additionally, several sites in the 2006 report were erroneously identified as containing PCBs. The site reviews also yielded multiple files that were unable to be identified and located by their respective agencies. Hence, these sites are unable to be categorized as having ongoing remediation, completed remediation, or otherwise. DelTRiP will continue to work with the member agencies to locate and quantify and describe these sites. Figure 2 and Table 2 illustrate the categorization of the 263 entries in the 2006 report.

### **2007 DelTRiP Report**

Site histories for those sites included in the 2006 report that were found to have completed PCB remediation are included in this report as well. However, as remediation at these sites has discontinued, these site histories will not be cited in subsequent reports, but will remain as an inventory. Likewise, sites identified herein that are located out of the Delaware River basin will also cease to be referenced in future DelTRiP reports. 37 sites (Table 3) submitted for the 2006 report with ongoing PCB remediation are detailed in this volume of the DelTRiP report. An additional 16 sites newly submitted for the 2007 report also have ongoing PCB remediation (Table 4), yielding a total of 53 sites within the Delaware River basin with ongoing PCB remediation

(Table 5). Herein, ongoing remediation is considered to include any step of the agency's process for addressing a hazardous waste site; for example, the process may include preliminary studies, contaminant testing, and legal and administrative negotiations, in addition to physical removal or decontamination. It is important to note that a significant quantity of sites were unavailable for review and may also have ongoing PCB remediation.

### **State of Delaware**

23 sites identified with ongoing PCB remediation are located in the State of Delaware (Figure 3, Table 5). The DNREC is the lead agency for 21; EPA Region 3 is the lead agency for one; and the DNREC and EPA Region 3 share the lead for one site (Standard Chlorine/Metacham, which was submitted by each agency). Since the publication of the 2006 DelTRiP report, ten sites in the State have been identified as reportedly having completed PCB remediation. In addition, the DNREC identified an additional 24 sites that did not appear in the prior edition. The City of Wilmington area holds a dense concentration of active sites.

### **State of New Jersey**

The State of New Jersey has at least 12 sites within the Delaware River basin with ongoing PCB remediation. The NJDEP leads remediations at four and the EPA Region 2, eight (Table 5, Figure 6). A significant concentration of sites adjoins the Delaware River, a historically popular area for manufacturing and other industrial operations. Subsequent to the publication of the 2006 DelTRiP report, two additional sites were presented for inclusion by the DelTRiP. Furthermore, six sites within the Delaware River basin were identified as reportedly having completed PCB remediation (with two under NJDEP lead and four under EPA Region 2 lead). Three NJDEP files were unavailable for review and could not be categorized.

### **Commonwealth of Pennsylvania**

At least 18 sites with ongoing PCB remediation are located in the Commonwealth of Pennsylvania, of which the PADEP is the lead agency for 13 sites, the EPA Region 3 is the lead agency for three sites, and together the PADEP and the EPA Region 3 share the lead for two sites (Table 5, Figure 9). Shortly before the first draft of this report went to press, the PADEP submitted brief site summaries for 38 sites whose files were unable to be located during the scheduled file reviews. However, 56 sites and their associated files and/or remediation status remain unavailable and require further investigation. Consequently, these projects could not be categorized for this report.

Following the publication of the 2006 DelTRiP report, the EPA Region 3 identified an additional site to be included in the DelTRiP. Moreover, of the 217 PADEP

submissions in the 2006 report, file reviews and PADEP updates revealed that 111 sites had already completed PCB remediation. Likewise, eight EPA Region 3 lead sites had also been reportedly remediated for PCBs. Additionally, eight PADEP lead sites in the 2006 report were erroneously identified as having contained PCBs.

### **Prioritization of DelTRiP Sites**

Prior to the identification of the 53 sites, a prioritization scheme was developed with which to rank the sites. However, the sites were not prioritized for this report. Quantification of the amount of PCBs remaining at these sites is, for one, difficult to ascertain. Additionally, the relatively small number of active sites does not warrant a prioritization. Future annual reports of the DelTRiP may implement the prioritization scheme, especially as new sites are added and the status of sites that were unavailable for review are clarified. It should be noted that anecdotal evidence suggests that a significant portion of the unavailable site files, particularly in Pennsylvania, have reportedly been remediated for PCBs.

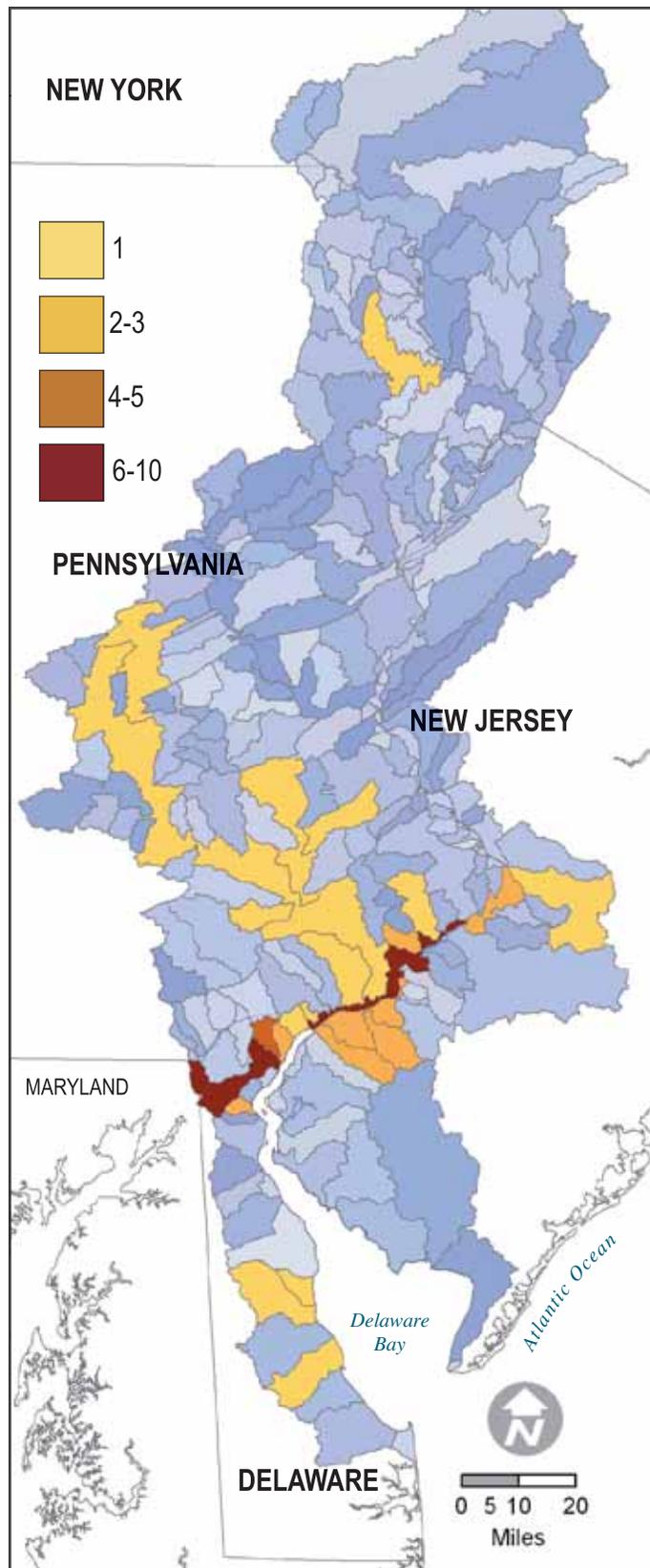
### **Conclusion**

This second annual report of the DelTRiP documents significant progress in identifying and locating hazardous waste sites that contribute or have the potential to contribute PCBs to the Delaware River basin. However, the remediation status of 59 sites remains unknown. The DelTRiP will continue to work with the agencies to obtain site history and remediation information for these facilities. Each of the 53 sites identified as having ongoing PCB remediation will also continue to be tracked for progress. Site information will be aggregated and the remediation progress of each site will be tracked and summarized in the next annual report detailing the status of implementation activities at each site, highlighting milestones and accomplishments, including measurable reductions in loadings.

As new site locations are identified they will be incorporated into GIS. The State and Federal agencies will continue to provide access to information, if available, to quantify the PCB loads released or having the potential to be released from the contaminated sites.

Potentially, the DelTRiP may implement a prioritization criteria for sites with ongoing PCB remediation in future annual reports (as indicated in steps seven and eight of the *Major Steps to DelTRiP Implementation*, outlined herein). DelTRiP will continue to indicate progress in future annual reports. The DelTRiP may also revisit those sites reported by the lead agencies as having completed remediation to assess impact to the basin. Furthermore, the DelTRiP will continue to work with the State and Federal agencies to

**Fig. 3. Number of Ongoing PCB Remediations per HUC 11 Watershed**



refine and clarify the data, as well as to obtain site listings for other contaminants of interest.

**Table 3. 2006 DelTRiP Report**

AGENCY	ENTRIES SUBMITTED FOR 2006 REPORT	2006 SITES OUT OF BASIN	PCBs NOT FOUND	2006 SITE ENTRIES WITH REPORTEDLY COMPLETE PCB REMEDIATION	2006 SITE FILES UNAVAILABLE OR SITE STATUS UNKNOWN	DUPLICATE ENTRIES DELETED	2006 SITES WITH ONGOING PCB REMEDIATION
DNREC	8	0	0	2	0	0	6
NJDEP	10	0	0	2	1	0	7
PADEP <sup>a</sup>	217 <sup>a</sup>	3	8	117	56	19	14
EPA 2	12	3	0	4	0	0	5
EPA 3	16	3	0	8	0	0	5
<b>TOTAL</b>	<b>263</b>	<b>9</b>	<b>8</b>	<b>133</b>	<b>57</b>	<b>19</b>	<b>37</b>

<sup>a</sup> While Pennsylvania submitted 217 site listings, 19 were duplicated, i.e. multiple submissions referring to the same site. These duplicate entries have been corrected for in this report; all have been reportedly remediated for PCBs and are noted as duplicate entries in table 6.

**Table 4. Sites New to the 2007 DelTRiP Report**

AGENCY	NEW PCB SITES SUBMITTED FOR 2007 REPORT	2006 SITES REDESIGNATED FOR 2007 REPORT	NEW 2007 SITES OUT OF BASIN	NEW 2007 SITES WITH REPORTEDLY COMPLETE PCB REMEDIATION	NEW 2007 SITE FILES UNAVAILABLE OR SITE STATUS UNKNOWN	NEW 2007 SITES WITH ONGOING PCB REMEDIATION
DNREC <sup>b</sup>	24	0	1	8	0	15
EPA 3/DNREC <sup>b</sup>	-	+1	0	0	0	0
NJDEP	2	-3	0	0	2	0
PADEP <sup>c</sup>	2	-2	0	2	0	0
EPA 3/PADEP <sup>c</sup>	-	+2	0	0	0	0
EPA 2	0	+3	0	0	0	0
EPA 3	1	0	0	0	0	1
<b>TOTAL</b>	<b>29</b>		<b>1</b>	<b>10</b>	<b>2</b>	<b>16</b>

HORIZONTAL SUM DOES NOT INCLUDE 2006 SITES REDESIGNATED FOR THE 2007 REPORT. THIS REFLECTS A CHANGE IN LEAD AGENCY.

<sup>b</sup> DNREC submitted one site in 2007 that EPA Region 3 had already submitted the year before. The site is currently under joint EPA Region 3/DNREC lead (Standard Chlorine/Metachem).

<sup>c</sup> PADEP and EPA Region 3 each submitted Metal Bank as a PCB site in 2006. This NPL site is also under PADEP oversight and is a dual lead site.

**Table 5. Total of Sites with Ongoing PCB Remediation in 2006 and 2007 DelTRiP Reports**

AGENCY	SITES WITH ONGOING PCB REMEDIATION			SITE FILES UNAVAILABLE OR SITE STATUS UNKNOWN	
	ADJUSTED 2006 SITES	SUBMITTED IN 2007	TOTAL	SUBMITTED IN 2006	SUBMITTED IN 2007
DNREC	6	15	21	0	0
EPA Region 3/DNREC	0	1	1	0	0
PADEP	13	0	13	56	0
EPA Region 3/PADEP	2	0	2	0	0
NJDEP	7	0	4 <sup>d</sup>	1	2
EPA 2	5	0	8 <sup>d</sup>	0	0
EPA 3	3	1	4	0	0
<b>TOTAL</b>		<b>53</b>		<b>59</b>	

*The 2008 DelTRiP report will track, at minimum, these 112 sites.*

<sup>d</sup> Three sites have changed lead authority from NJDEP to EPA Region 2. Martin Aaron, Inc., Matteo Iron and Metal, and Safety Kleen, Bridgeport.

## SUMMARY OF ALL SITES/ENTRIES IN THE 2006 DELTRIP REPORT

The following is a summary of the sites/entries in the 2006 by agency DelTRiP report. 263 sites emerged out of nearly a thousand submitted sites. The sites that were retained, are those where some history of PCBs had been identified by the member agencies.

<u>AGENCY</u>	<u>NUMBER OF SITES/ENTRIES SUBMITTED</u>
DNREC	8
NJDEP	10
PADEP	217
EPA REGION 2	12
EPA REGION 3	16
<b>Total = 263</b>	

## STATUS OF ALL SITES IN THE 2006 DELTRIP REPORT

The following is a tabulation of all of the sites in the 2006 DelTRiP report within the Delaware River basin with a tabulation of the number of remediations each agency has led or is currently leading. The number of sites that each agency submitted that fall outside of the Delaware River basin are noted as well. These sites outside the basin will not be tracked in the future by DelTRiP. (Please see Table 6.)

<u>QUANTITY OF SITES AND DESCRIPTION</u>		
<u>DELAWARE</u>		
DNREC	6	ongoing remediations
	2	reportedly complete PCB remediations
EPA REGION 3	2	ongoing remediations
	2	reportedly complete PCB remediations
	1	outside of Delaware River basin
<u>NEW JERSEY</u>		
NJDEP	7	ongoing remediations
	2	reportedly complete PCB remediations
EPA REGION 2	1	with unavailable files
	5	ongoing remediations
	4	reportedly complete PCB remediations
	3	outside of Delaware River basin
<u>PENNSYLVANIA</u>		
PADEP	14	ongoing remediations
	117	reportedly complete PCB remediations
	8	no history of PCBs
	56	with unavailable files
	3	outside of Delaware River basin
EPA REGION 3	19	Duplicate entries
	3	ongoing remediations
	6	reportedly complete PCB remediations
	3	outside of Delaware River basin

## STATUS OF ALL SITES IN THE 2007 DELTRIP REPORT

The following is a tabulation of all of the sites in the 2007 DelTRiP report within the Delaware River basin with a tabulation of the number of remediations each agency has led or is currently leading. The number of sites that each agency submitted that fall outside of the Delaware River basin are noted as well. These sites will not be tracked in the future by DelTRiP. (Please see Table 6.) *Sites new to the 2007 DelTRiP report are italicized and highlighted in red. (29 in total)*

### QUANTITY OF SITES AND DESCRIPTION

#### DELAWARE

<b>DNREC</b>	6	ongoing remediations
	<b>15</b>	<b>ongoing remediations</b>
	2	reportedly complete PCB remediations
	<b>8</b>	<b>reportedly complete PCB remediations</b>
	<b>1</b>	<b>outside of Delaware River basin</b>
<b>EPA REGION 3</b>	1	ongoing remediation
	2	reportedly complete PCB remediations
	1	outside of Delaware River basin
<b>EPA REGION3/DNREC</b>	1	ongoing remediation

#### NEW JERSEY

<b>NJDEP</b>	4*	ongoing remediations
	2	reportedly complete PCB remediations
	1	with unavailable files
	<b>2</b>	<b>with unavailable files</b>
<b>EPA REGION 2</b>	8*	ongoing remediations
	4	reportedly complete PCB remediations
	3	outside of Delaware River basin

\*Note: three NJDEP-submitted sites in the 2006 report are now under EPA lead.

#### PENNSYLVANIA

<b>PADEP</b>	13	ongoing remediations
	117	reportedly complete PCB remediations
	<b>2</b>	<b>reportedly complete PCB remediation</b>
	8	no history of PCBs
	56	with unavailable files
	3	outside of Delaware River basin
<b>EPA REGION 3</b>	3	ongoing remediations
	<b>1</b>	<b>ongoing remediation</b>
	6	reportedly complete PCB remediations
	2	outside of Delaware River basin
<b>EPA REGION/PADEP</b>	2	ongoing remediations

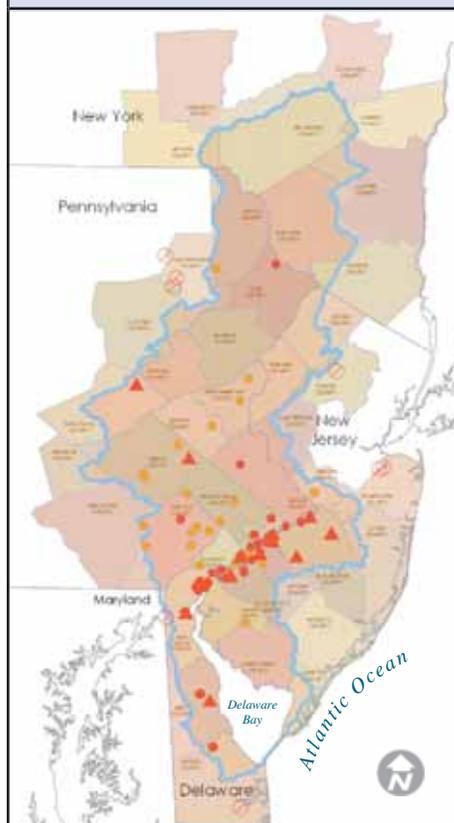
## SUMMARY OF ALL SITES IN THE 2007 DELTRIP REPORT

The following is a summation of the sites noted in this report. Sites with reportedly completed PCB remediation will be inventoried in future reports. However, the DelTRiP may revisit those sites that are considered remediated by their lead agency to assess impact to the Delaware river basin. Hence, the 2008 DelTRiP report will track the progress of 112 sites (53 ongoing and 59 unknown) in addition to new sites submitted after the publication of this report.

### TOTAL NUMBER OF SITES PER CATEGORY IN 2007 REPORT

<b>9</b>	Sites outside of the Delaware River basin
<b>8</b>	Sites where PCBs were not found
<b>143</b>	Sites with reportedly completed remediation for PCBs
<b>59</b>	Site files unavailable
<b>53</b>	Sites with ongoing remediation

## PREVIEW of 2008 DelTRiP Report



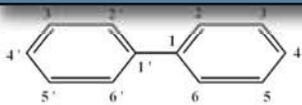
The 2008 DelTRiP report will track, at minimum, these 112 sites.

**53** sites with ongoing PCB remediation

**59** sites with unknown remedial status

△ EPA Region 3 lead site      □ Unknown remedial status  
○ State lead site                ■ PCB remediation ongoing

# PCBs: What are they?



## Polychlorinated biphenyls (PCBs)

are a class of man-made compounds that were manufactured and used extensively in electrical equipment such as transformers and capacitors, paints, printing inks, paper, pesticides, hydraulic fluids, lubricants, synthetic rubber, plasticizers, floor tile, brake linings, adhesives, carbon copy paper, fluorescent lights ballasts, and asphalt, to name a few. PCBs are mixtures of up to 209 individual chlorinated compounds (known as congeners). As the percentage of chlorine increases, the PCB congener becomes thicker and heavier. There are no known natural sources of PCBs and they are either oily liquids or solids that are colorless to light yellow. Some PCBs can exist as a vapor or in air; PCBs have no known smell or taste. They are insoluble in water and have high tolerances for heat (their boiling point is 275° - 375° Centigrade) and they have no flash point.

Concern over the toxicity and persistence (chemical stability) in the environment of PCBs led Congress in 1976 to enact Section 6(e) of the Toxic Substances Control Act (TSCA), that included among other provisions, prohibitions on the manufacture, processing, and commercial distribution of PCBs in the United States. More than 1.5 billion pounds of PCBs were manufactured in the United States prior to the passage of TSCA. PCBs were manufactured and sold under a variety of trade names. For a more complete list of trade names, see the EPA PCB ID web site at [www.epa.gov/toxteam/pcb.id](http://www.epa.gov/toxteam/pcb.id).

## Sources of Exposure

PCB residues have been observed in plant and animal tissues in all parts of the world. PCB residues have also been found in human adipose tissue and breast milk. Because PCBs are not naturally occurring substances, their dissemination is the result of human activity and releases to the environment.

## Routes of Entry

According to the USEPA, likely routes of entry for the general population are ingestion by food and water. PCBs accumulate in the food chain and contaminated fish tissue is a persistent source of PCBs in the human diet. Inhalation and skin contact are likely to be significant routes of entry in occupational exposure.

## Health Effects

PCBs have been demonstrated to cause cancer in animals and serious non-cancer health effects in animals, including effects on the immune system, reproductive system, nervous system, and endocrine system. Limited studies in humans provide supportive evidence for potential carcinogenic and non-carcinogenic effects of PCBs. The different health effects of PCBs may be interrelated, as alterations in one system may have significant implications for the other systems of the body.

## For more information

Agency for Toxic Substances and Disease Registry's ToxFAQs™ for PCBs is an excellent source for more information and be found at [www.atsdr.cdc.gov/facts17.html](http://www.atsdr.cdc.gov/facts17.html). USEPA also hosts the PCB page at [www.epa.gov/pcb](http://www.epa.gov/pcb). Both of these sites were also used as sources for this publication.

# What is a TMDL?

A **total maximum daily load** (TMDL) is the maximum amount of a specific pollutant that can be assimilated by a stream without causing impairment or violating water quality standards. The allowable amount takes into account all sources of that pollutant in a watershed, including point sources and non-point sources and requires a portion to be set aside as a margin of safety.

Point sources include discharges from sewage treatment plants and industrial facilities, for example. Non-point sources include all other sources of the pollutant, including overland runoff and deposition from the air.

The water quality standards are based on the Clean Water Act's minimum goals that all waters be "fishable" and "swimmable". To this end, the act requires States to assign a designated use (such as recreation, fishing, industrial etc.) and corresponding water quality standards for each water body within its jurisdiction.

A TMDL is only for one pollutant. If a stream is impaired by three pollutants, three TMDLs must be developed for that stream.

Though all streams and watersheds must be handled on a case-by-case basis, **there are several basic steps or processes that apply to developing a TMDL.** 1.) Data collection (pollutant load, sources, etc.) for impaired water bodies listed on a State's Clean Water Act § 303(d) list; 2.) data analysis; 3.) TMDL development for impaired water bodies; 4.) Public review and comments; and 5.) EPA approval of the TMDL.

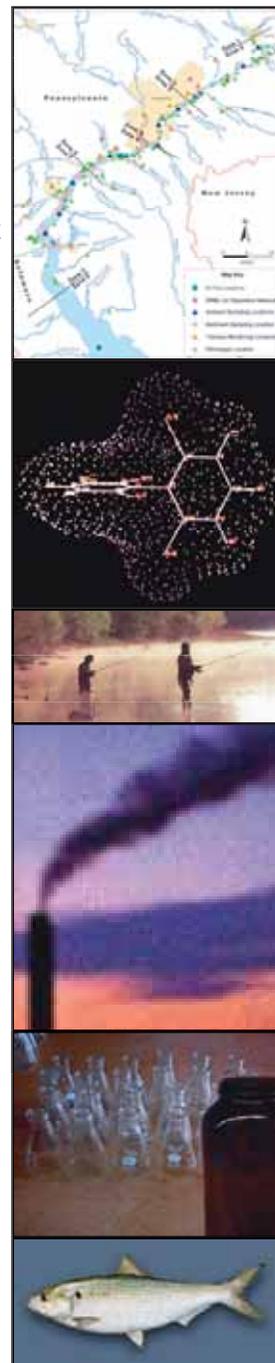
TMDLs do not, however, specify *how* pollutant loads are to be reduced within a stream or watershed. The TMDL method only determines the total amount of a specific pollutant that a watershed or stream can assimilate without causing impairment or violate water quality standards. TMDLs do not specify by what means a particular pollutant load are to be reduced. Rather, TMDLs allocate the maximum contribution a source category (urban

stormwater, agriculture, industrial, for example) can contribute to the total load. The actual point and non-point source allocations or reductions are implemented by the States through existing regulations and programs.

## Key Points:

1. Water quality standards are based on the Clean Water Act's minimum goals that all waters be "fishable" and "swimmable".
2. TMDLs specify a pollutant budget that must be achieved in order to meet State water quality standards.
3. TMDLs do not prescribe a method to reduce a given pollutant's concentration.
4. A TMDL is only for one pollutant. Multiple pollutants in a waterbody require multiple TMDLs.

For further information, please see the Toxics and PCB information page at [www.drbc.net](http://www.drbc.net) as well as the USEPA's Mid-Atlantic Water Division TMDL page at [www.epa.gov/reg3wapd/tmdl/pa\\_tmdl?delaware%20river/index.htm](http://www.epa.gov/reg3wapd/tmdl/pa_tmdl?delaware%20river/index.htm).



**Table 6. All DelTRiP Sites in 2006 and 2007 Reports**

SITE NAME	STATE	LEAD AGENCY	PCB REMEDIATION COMPLETE	FIRST REPORTED BY DelTRiP
12th Street Drum Site	Delaware	DNREC	NO	2007
American Scrap and Waste	Delaware	DNREC	NO	2007
Amtrak Refuelling Yard	Delaware	DNREC	NO	2007
Bancroft Mills	Delaware	DNREC	YES	2007
Budd Metal	Delaware	DNREC	NO	2007
Capitol Scrap Yard	Delaware	DNREC	NO	2007
CitiSteel Area A	Delaware	DNREC	NO	2006
Conectiv Hay Road	Delaware	DNREC	YES	2007
Delaware Compressed Steel (503 S. Market Street)	Delaware	DNREC	NO	2007
Delaware Sand & Gravel Landfill	Delaware	EPA 3	YES	2006
Diamond State Foundry/Pullman Car Works	Delaware	DNREC	NO	2006
Diamond State Salvage	Delaware	DNREC	NO	2006
Dover Air Force Base	Delaware	EPA 3	NO	2006
Estate of Lester Nolan	Delaware	DNREC	YES	2006
Fitzgerald's Auto Salvage	Delaware	DNREC	NO	2007
Former Dagsboro Substation	Delaware	DNREC	OUTSIDE OF DR BASIN	2007
Fox Point	Delaware	DNREC	NO	2007
Georgetown Substation (former)	Delaware	DNREC	NO	2006
Governor Bacon Health Center	Delaware	DNREC	YES	2006
Harper Thiel	Delaware	DNREC	NO	2007
Harvey Knott & Drum	Delaware	EPA 3	OUTSIDE OF DR BASIN	2006
Hay Road Sludge drying site	Delaware	DNREC	NO	2007
Holly Oak substation (DELMARVA)	Delaware	DNREC	YES	2007
J.G. Townsend Frozen Foods	Delaware	DNREC	YES	2006
Justison's Landing	Delaware	DNREC	NO	2007
Krieger-Finger Property	Delaware	DNREC	NO	2007
Meco Drive Site	Delaware	DNREC	NO	2007
NVF Wilmington (Maryland Ave.)	Delaware	DNREC	YES	2007
Penn Del Salvage	Delaware	DNREC	NO	2006
Purina Tower (B)	Delaware	DNREC	NO	2006
Reichold chemical	Delaware	DNREC	YES	2007
South Wilmington Salvage yards (A-1 Auto, American Tank Cleaning Co., Don Wilson's Auto Parts, Merkin Auto Spring Co. Inc., Two Guys Auto Parts, Shuster's Auto Salvage, Casper's Auto Parts, and Junior's Auto Parts)	Delaware	DNREC	NO	2007
Standard Chlorine/Metachem	Delaware	DNREC	NO	2007
Standard Chlorine/Metachem of Delaware	Delaware	EPA 3	NO	2006
Wildcat Landfill	Delaware	EPA 3	YES	2006
Wilmington Coal Gas (Northern Section)	Delaware	DNREC	NO	2007
Wilmington Coal Gas (Southern Section)	Delaware	DNREC	YES	2007
Bridgeport Rental and Oil Services	New Jersey	EPA 2	NO	2006
Burnt Fly Bog	New Jersey	EPA 2	OUTSIDE OF DR BASIN	2006
Chemical Leaman Tank Lines Inc.	New Jersey	EPA 2	NO	2006
Cosden Chemical Coatings Corporation	New Jersey	EPA 2	YES	2006
Dayco Corp./L.E. Carpenter Co.	New Jersey	EPA 2	OUTSIDE OF DR BASIN	2006
Ellis Property	New Jersey	EPA 2	YES	2006
Fazio Sanitary Landfill	New Jersey	NJDEP	UNKNOWN	2007
Former Lail Property/Exxon Mobil	New Jersey	NJDEP	NO	2006
Former Manchester Machines Site/Dana Transport	New Jersey	NJDEP	NO	2006
Fort Dix Landfill	New Jersey	EPA 2	NO	2006
General Engines Company, Inc.	New Jersey	NJDEP	YES	2006
Hercules at Burlington	New Jersey	NJDEP	NO	2006
Hercules at Gibbstown	New Jersey	NJDEP	YES	2006

SITE NAME	STATE	LEAD AGENCY	PCB REMEDIATION COMPLETE	FIRST REPORTED BY DelTRiP
Imperial Oil Co., Inc./Champion Chemicals	New Jersey	EPA 2	OUTSIDE OF DR BASIN	2006
Martin Aaron, Inc. <sup>2</sup>	New Jersey	EPA 2	NO	2006
Matteo Iron & Metal <sup>2</sup>	New Jersey	EPA 2	NO	2006
Pijak farm	New Jersey	EPA 2	YES	2006
Roebing Steel Co. (JARSCO)	New Jersey	EPA 2	NO	2006
Safety Kleen, Bridgeport <sup>2</sup>	New Jersey	EPA 2	NO	2006
Solutia, Inc.	New Jersey	NJDEP	NO	2006
Swope Oil & Chemical Company	New Jersey	EPA 2	YES	2006
Trenton Fiber and Drum Co.	New Jersey	NJDEP	UNKNOWN	2007
Welsbach and General Gas Mantle	New Jersey	EPA 2	NO	2006
Woodstown Pilesgrove Sanitary Landfill	New Jersey	NJDEP	UNKNOWN	2006
18th & Callowhill St Site	Pennsylvania	PADEP SE	YES	2006
3200 E Tioga St Prop	Pennsylvania	PADEP SE	NO	2006
3742 Main St Site	Pennsylvania	PADEP SE	YES	2006
7401 State Rd Site	Pennsylvania	PADEP SE	NO	2006
Abandoned Fac	Pennsylvania	PADEP SE	UNKNOWN	2006
Abrams Metals	Pennsylvania	PADEP SE	YES	2006
Action Mfg	Pennsylvania	PADEP SE	UNKNOWN	2006
Alfa Laval	Pennsylvania	PADEP SE	YES	2006
Allentown Tower Prop <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
Alto Sign	Pennsylvania	PADEP SE	YES	2006
Andela Site	Pennsylvania	PADEP SE	YES	2006
Arkema Chem Research & Dev Lab Mag	Pennsylvania	PADEP SE	UNKNOWN	2006
Autocar Trucks Div Nfrap Site	Pennsylvania	PADEP SC	UNKNOWN	2006
Bensalem Redev	Pennsylvania	PADEP SE/ EPA 3	NO	2006
Blue Ridge Winkler Site	Pennsylvania	PADEP SE	UNKNOWN	2006
Bottle House Property	Pennsylvania	PADEP NE	NO PCB EVER	2006
Buttonwood Gateway Complex	Pennsylvania	PADEP SC	UNKNOWN	2006
Butz Landfill	Pennsylvania	EPA 3	YES	2006
Caloric	Pennsylvania	PADEP SC	UNKNOWN	2006
Cedar Hollow Quarry	Pennsylvania	PADEP SE	YES	2006
Chelsea Historic Prop	Pennsylvania	PADEP SE	YES	2006
Chemclene	Pennsylvania	PADEP SE	UNKNOWN	2006
Chemrex Banner Inds Div	Pennsylvania	PADEP SE	UNKNOWN	2006
Chester Waterfront Redev Proj Site	Pennsylvania	PADEP SE	UNKNOWN	2006
Cira Ctl Site	Pennsylvania	PADEP SE	NO	2006
City of Philadelphia Water Dept.	Pennsylvania	PADEP SE	UNKNOWN	2006
Cognis Corp	Pennsylvania	PADEP SE	YES	2007
Columbia Gas Eagle Compressor Sta	Pennsylvania	PADEP SE	UNKNOWN	2006
Columbia Gas Oxford Opr Ctr	Pennsylvania	PADEP SE	UNKNOWN	2006
Columbia Gas Trans Downingtown Cs	Pennsylvania	PADEP SE	NO	2006
Columbia gas transmission corp.	Pennsylvania	PADEP SE	NO	2006
Conoco Phillips Trainer Ref	Pennsylvania	PADEP SE	UNKNOWN	2006
Conrail Morrisville Train Maint Yard	Pennsylvania	PADEP SE	UNKNOWN	2006
Crossley Farm	Pennsylvania	EPA 3	NO	2006
Crown Industries	Pennsylvania	PADEP NE	YES	2006
Crown Recycling & Recovery, Inc.	Pennsylvania	PADEP NE	NO	2006
Csx Intermodal Snyder Ave Yard Fac	Pennsylvania	PADEP SE	UNKNOWN	2006
Dana Truck & Car Frame Mfg Plt Reading	Pennsylvania	PADEP SC	UNKNOWN	2006
Darby Creek Jt Auth Stp	Pennsylvania	PADEP SE	YES	2006
Defense Personnel Supp Ctr Public Admin	Pennsylvania	PADEP SE	UNKNOWN	2006
Defense SuPPLY Ctr Phila	Pennsylvania	PADEP SE	UNKNOWN	2006
Dick Bros	Pennsylvania	PADEP SC	UNKNOWN	2006
Dodge Steel Castings	Pennsylvania	PADEP SE	NO PCB EVER	2006
Dorney Road	Pennsylvania	EPA 3	YES	2006

SITE NAME	STATE	LEAD AGENCY	PCB REMEDIATION COMPLETE	FIRST REPORTED BY DelTRiP
Douglassville Disposal	Pennsylvania	EPA 3	YES	2006
Drug Emporium Plz	Pennsylvania	PADEP SE	NO PCB EVER	2006
E Orthodox St	Pennsylvania	PADEP SE	UNKNOWN	2006
Eastern Diversified Metals	Pennsylvania	EPA 3	NO	2006
Eastern Elec Apparatus Rep	Pennsylvania	PADEP NE	OUTSIDE OF DR BASIN	2006
Eastern Elec Prop	Pennsylvania	PADEP SE	YES	2006
Eastern Rotorcraft	Pennsylvania	PADEP SE	NO PCB EVER	2006
Former Schmidts Brewery	Pennsylvania	PADEP SE	NO	2006
Fp Woll & Fac	Pennsylvania	PADEP SE	YES	2006
Frankford Arsenal	Pennsylvania	PADEP SE	NO	2006
Freehand Hj Subdiv	Pennsylvania	PADEP SE	UNKNOWN	2006
Ge Breaker Plt	Pennsylvania	PADEP SE	UNKNOWN	2006
Glasgow Prop	Pennsylvania	PADEP SE	NO PCB EVER	2006
Houston Auto Parts	Pennsylvania	PADEP SE	YES	2006
Hull	Pennsylvania	PADEP SE	YES	2006
Ind park - air force plant 45	Pennsylvania	PADEP SE	YES	2007
Ind Park Development corp.	Pennsylvania	PADEP SE	YES	2006
Jacob Kline Cooperage	Pennsylvania	PADEP NE	YES	2006
Kaiser Refractories	Pennsylvania	PADEP SE	UNKNOWN	2006
Kennett Sq Junkyard'	Pennsylvania	PADEP SE	YES	2006
Kvaerner Phila Shipyard	Pennsylvania	PADEP SE	YES	2006
Laurel Ctr li	Pennsylvania	PADEP SC	UNKNOWN	2006
Lehigh Electric & Engineering	Pennsylvania	PADEP NE	UNKNOWN	2006
Lehigh Electric & Engineering Co.	Pennsylvania	EPA 3	OUTSIDE OF DR BASIN	2006
Lehigh Landing Proj	Pennsylvania	PADEP NE	UNKNOWN	2006
Lenape Mfg	Pennsylvania	PADEP SE	NO	2006
Little Rio Grande Creek	Pennsylvania	PADEP SE	UNKNOWN	2006
Lower Darby Creek Area	Pennsylvania	EPA 3	NO	2007
McAdoo Associates	Pennsylvania	EPA 3	YES	2006
Merit Metal Prod	Pennsylvania	PADEP SE	NO PCB EVER	2006
Metal Bank	Pennsylvania	EPA 3	NO	2006
Metal Bank State Rd	Pennsylvania	PADEP SE	NO	2006
Metro Container	Pennsylvania	PADEP SE	NO	2006
Milito Prop	Pennsylvania	PADEP SE	YES	2006
Morris Pappas & Morris	Pennsylvania	PADEP SE	UNKNOWN	2006
Mrs Pauls Kitchen Fac (former)	Pennsylvania	PADEP SE	YES	2006
Mulberry St Site	Pennsylvania	PADEP SE	UNKNOWN	2006
Natl Vulcanized Fiber	Pennsylvania	PADEP SE	YES	2006
Naval Air Development Center waste areas	Pennsylvania	EPA 3	YES	2006
Nazareth Quarry	Pennsylvania	PADEP SE	UNKNOWN	2006
Nj Transit Morrisville Railyard	Pennsylvania	PADEP SE	YES	2006
One & Olney Sq Shopping Ctr	Pennsylvania	PADEP SE	YES	2006
One Montgomery Plaza	Pennsylvania	PADEP SE	YES	2006
Oregon Maint Shop	Pennsylvania	PADEP SE	YES	2006
Palmer Town Center	Pennsylvania	PADEP SE	YES	2006
Paoli Rail Yard	Pennsylvania	EPA 3	YES	2006
Park West Town Ctr	Pennsylvania	PADEP SE	YES	2006
Peco Energy West Chester Svc Bldg Old	Pennsylvania	PADEP SE	UNKNOWN	2006
Peco Hanover Substation	Pennsylvania	PADEP SE	YES	2006
Peco West Chester Svc Fac	Pennsylvania	PADEP SE	YES	2006
Pemberton Site	Pennsylvania	PADEP SE	YES	2006
Penn Beer Dist Site	Pennsylvania	PADEP SE	YES	2006
PennDOT I-95 Aramingo	Pennsylvania	PADEP SE	YES	2006
PennDOT Paper Prod Site	Pennsylvania	PADEP SE	YES	2006
Pennsburg Ses	Pennsylvania	PADEP SE	UNKNOWN	2006

SITE NAME	STATE	LEAD AGENCY	PCB REMEDIATION COMPLETE	FIRST REPORTED BY DelTRiP
Pep Boys Paoli	Pennsylvania	PADEP SE	UNKNOWN	2006
Phila Eagles Stadium & Parking Areas	Pennsylvania	PADEP SE	YES	2006
Phila Elec Southwark Svc Bldg Util	Pennsylvania	PADEP SE	UNKNOWN	2006
Phila Phillies Ball Park & Parking Areas	Pennsylvania	PADEP SE	YES	2006
Philadelphia Water Department Southwest Sewage Treatment Plant	Pennsylvania	PADEP SE	UNKNOWN	2006
Phoenix Pipe & Tube Lp <sup>3</sup>	Pennsylvania	PADEP SE	YES	2006
Phoenix Steel <sup>3</sup>	Pennsylvania	PADEP SE	YES	2006
PPL	Pennsylvania	PADEP	YES	2006
PPL	Pennsylvania	PADEP	YES	2006
PPL	Pennsylvania	PADEP	YES	2006
PPL	Pennsylvania	PADEP	YES	2006
PPL	Pennsylvania	PADEP	YES	2006
PPL Avoca	Pennsylvania	PADEP NE	YES	2006
PPL Beekman Substation	Pennsylvania	PADEP NE	YES	2006
PPL Brockton Substation	Pennsylvania	PADEP NE	YES	2006
PPL Buttonwood Substation	Pennsylvania	PADEP NE	YES	2006
PPL Canal Substa Decommissioned	Pennsylvania	PADEP NE	YES	2006
PPL Cetronia Substa <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Clarks Summit Substation	Pennsylvania	PADEP NE	YES	2006
PPL Didier Decommissioned Substa <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Electric Utilities	Pennsylvania	PADEP SE	YES	2006
PPL former Oneida Substation	Pennsylvania	PADEP NE	YES	2006
PPL former Stanton Steam Electric Station	Pennsylvania	PADEP NE	YES	2006
PPL Gilbert Substation	Pennsylvania	PADEP NE	YES	2006
PPL Greenleaf Substa <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Harwood 69 Kv Substation	Pennsylvania	PADEP NE	YES	2006
PPL Harwood Steam Electric Station	Pennsylvania	PADEP NE	YES	2006
PPL Hauto	Pennsylvania	PADEP NE	YES	2006
PPL Honesdale Gas Plant	Pennsylvania	PADEP NE	YES	2006
PPL Horton Substation	Pennsylvania	PADEP NE	YES	2006
PPL Jasper Substa <sup>1</sup>	Pennsylvania	PADEP	YES	2006
PPL Jenkins Substa	Pennsylvania	PADEP NE	YES	2006
PPL Jermyn Substation	Pennsylvania	PADEP NE	YES	2006
PPL Madison Avenue Substation <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Meadow Substa <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Nazareth Switching Yard <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL North Stroudsburg Substation	Pennsylvania	PADEP NE	YES	2006
PPL Northern Div SVC CTR	Pennsylvania	PADEP NE	YES	2006
PPL Old Forge Substation	Pennsylvania	PADEP NE	YES	2006
PPL Palmerton Substation	Pennsylvania	PADEP NE	YES	2006
PPL Peckville Active Substation	Pennsylvania	PADEP NE	YES	2006
PPL Pembroke Substa Decommissioned <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Pittston Decommissioned Substation	Pennsylvania	PADEP NE	YES	2006
PPL Providence Active Substation	Pennsylvania	PADEP NE	YES	2006
PPL Quarry Substation <sup>1</sup>	Pennsylvania	PADEP SE	YES	2006
PPL S 1st St. Substation <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL S 4th St. Substation <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL S 6th St. Substation <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Shawnee Decommissioned Substation	Pennsylvania	PADEP NE	YES	2006
PPL Siegfried Substation <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL South Catasauqua Substation <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL South Side Substation	Pennsylvania	PADEP NE	YES	2006
PPL Spring Substation	Pennsylvania	PADEP SC	YES	2006

SITE NAME	STATE	LEAD AGENCY	PCB REMEDIATION COMPLETE	FIRST REPORTED BY DelTRiP
PPL Stanton Substation	Pennsylvania	PADEP NE	YES	2006
PPL Sullivan Trail Substation	Pennsylvania	PADEP NE	YES	2006
PPL Tamaqua MGP <sup>1</sup>	Pennsylvania	PADEP NE	YES	2006
PPL Tatamy Substation	Pennsylvania	PADEP NE	YES	2006
PPL Weissport Substation	Pennsylvania	PADEP NE	YES	2006
PPL Wescoville Substation <sup>1</sup>	Pennsylvania	PADEP	YES	2006
PPL West Pittston Decommissioned Substa	Pennsylvania	PADEP NE	YES	2006
Progress Lighting	Pennsylvania	PADEP SE	YES	2006
Publicker Industries, Inc.	Pennsylvania	EPA 3	YES	2006
Reading Iron Met. ed parcel (former)	Pennsylvania	PADEP SC	UNKNOWN	2006
Reading Iron Oley St. storeyard (former)	Pennsylvania	PADEP SC	UNKNOWN	2006
Reading Iron, PA Lines LLC Rails spur (former)	Pennsylvania	PADEP SC	UNKNOWN	2006
Recycle Metals	Pennsylvania	PADEP SE	YES	2006
Reserves at Gwynedd	Pennsylvania	PADEP SE	UNKNOWN	2006
Richmond Waterfront Industrial Park, LLC Rohm & Haas	Pennsylvania	PADEP SE	UNKNOWN	2006
Riverbend site	Pennsylvania	PADEP SE	YES	2006
Rohm & Haas Philadelphia plant	Pennsylvania	PADEP SE	UNKNOWN	2006
Rosenbergers Dairies	Pennsylvania	PADEP SE	YES	2006
Sackville Mills property	Pennsylvania	PADEP SE	YES	2006
Safety Kleen	Pennsylvania	PADEP SE	NO PCB EVER	2006
Santey Junkyard	Pennsylvania	PADEP NE	OUTSIDE OF DR BASIN	2006
Selas of America	Pennsylvania	PADEP SE	NO PCB EVER	2006
Sellersville Landfill	Pennsylvania	PADEP SE	YES	2006
SEPTA Paoli car shop/Paoli Railyard (EPA 3)	Pennsylvania	PADEP SE	YES	2006
SEPTA Roberts Ave Railyard Nfrap Site	Pennsylvania	PADEP SE	UNKNOWN	2006
SEPTA Wayne Junction	Pennsylvania	PADEP SE	NO	2006
Serena	Pennsylvania	PADEP SE	YES	2006
Shez Ray	Pennsylvania	PADEP SE	YES	2006
Slatebelt Ind Ctr	Pennsylvania	PADEP SE	UNKNOWN	2006
Slish Road	Pennsylvania	PADEP NE	YES	2006
Sovereign Oil Site	Pennsylvania	PADEP SE	UNKNOWN	2006
Sparango Const	Pennsylvania	PADEP SE	YES	2006
Spring Mill Development	Pennsylvania	PADEP SE	UNKNOWN	2006
Springfield Auto Outlet	Pennsylvania	PADEP SE	YES	2006
Sunoco Girard Point Ref	Pennsylvania	PADEP SE	UNKNOWN	2006
Sunoco Partners Mkt & Term Lp Darby Creek	Pennsylvania	PADEP SE	UNKNOWN	2006
Tacony Whse Fac (US Army)	Pennsylvania	PADEP SE	YES	2006
Taylor Borough Dump	Pennsylvania	EPA 3	OUTSIDE OF DR BASIN	2006
Texas Eastern Pipeline Bechtelsville Sta	Pennsylvania	PADEP SC	UNKNOWN	2006
Texas Eastern Pipeline Bernville Sta	Pennsylvania	PADEP SC	UNKNOWN	2006
Texas Eastern Trans Eagle Comp Sta	Pennsylvania	PADEP SE	YES	2006
Thelma H Mcgrail Trust	Pennsylvania	PADEP SE	UNKNOWN	2006
Thyssen Krupp Budd Co Die Storage Yard Si	Pennsylvania	PADEP SE	UNKNOWN	2006
Thyssenkrupp Budd	Pennsylvania	PADEP SE	UNKNOWN	2006
Tinicum Ind Prk	Pennsylvania	PADEP SE	UNKNOWN	2006
Tower Bridge Number 5	Pennsylvania	PADEP SE	YES	2006
Tower Bridge Number 6	Pennsylvania	PADEP SE	YES	2006
Trans Buck	Pennsylvania	PADEP SE	UNKNOWN	2006
Transcontinental Gas Pipeline Comp Sta 20	Pennsylvania	PADEP SE	YES	2006
Union Hill Rd Ste	Pennsylvania	PADEP SE	YES	2006
US Naval Base Public Admin	Pennsylvania	PADEP SE	NO	2006
US Plywood Fac	Pennsylvania	PADEP SE	UNKNOWN	2006
US Steel (USX) Fairless Hills Facility <sup>3</sup>	Pennsylvania	PADEP SE	YES	2006
US Steel Fairless Works/Old Ctrl Maintenance shop <sup>3</sup>	Pennsylvania	PADEP SE	YES	2006

<b>SITE NAME</b>	<b>STATE</b>	<b>LEAD AGENCY</b>	<b>PCB REMEDIATION COMPLETE</b>	<b>FIRST REPORTED BY DelTRiP</b>
Valhal	Pennsylvania	PADEP SE	UNKNOWN	2006
West Chester Office Plaza	Pennsylvania	PADEP SE	YES	2006
Westtown Sch Kenneth Square Prop	Pennsylvania	PADEP SE	UNKNOWN	2006
Wharf At Rivertown	Pennsylvania	PADEP SE	NO	2006
White Pines Partners Gc	Pennsylvania	PADEP SE	NO	2006
William H Cooper & Sons	Pennsylvania	PADEP SE	YES	2006
Witco Chemical	Pennsylvania	PADEP SE	YES	2006
Wood Lane Parcel	Pennsylvania	PADEP SE	YES	2006

<sup>1</sup> Site that was submitted twice in the 2006 DelTRiP report by These redundancies have been eliminated since they affect the overall number of sites for which each agency is responsible.

<sup>2</sup> This site's lead agency has been changed to reflect updated information. The lead agency responsible for a site's clean up may change for many reasons, but may include fiscal or other resource limitations, severity of contamination, for example.

<sup>3</sup> This site was submitted more than once, but under different names. The site's name has been corrected and the multiple entries have been consolidated into one summary.