



Innovation. *Partnership.* Renewal.



Annual Report 2000

Pennsylvania's *Recycling* Program
Land





*Pennsylvania State Capitol
Harrisburg, Pennsylvania*



Tom Ridge
Governor

Land Recycling and Growing Smarter

One of the most critical issues facing Pennsylvania in the 21st century is how we use our land. Pennsylvania no longer will watch as our farmland and open space disappears, but will work aggressively to encourage growth that protects these resources, and reuses land in our cities and towns.

Pennsylvania's Land Recycling Program, by encouraging the reuse of existing land, is a tremendous tool in our new Growing Smarter toolbox. Through this nationally recognized, innovative cleanup program, there now are more than 20,000 Pennsylvanians working on nearly 700 old industrial sites — sites that just a few years ago were run down and abandoned. As a result, redevelopment authorities, communities and businesses across the Commonwealth are viewing abandoned industrial and business sites with a new sense of hope.

The Land Recycling Program, together with the new Growing Smarter tools available to local government, and the historic commitment of nearly \$650 million over five years through "Growing Greener," has given Pennsylvania 21st century solutions to 20th century problems.

I want to commend the communities and businesses taking advantage of these new opportunities.

A handwritten signature in blue ink that reads "Tom Ridge". The signature is written in a cursive, flowing style with a long horizontal stroke at the end.



*McGees Mills
Clearfield County*



James M. Seif
Secretary

Pennsylvania — Setting a National Standard

The Pennsylvania Department of Environmental Protection (DEP) is proud to present this report about Pennsylvania's Land Recycling Program. The Land Recycling Program has led the way during the past five years in reclaiming Pennsylvania's industrial heritage and setting a national standard for other states to follow into the 21st century.

Five years ago, Pennsylvania's urban landscape was littered with hundreds of abandoned and underutilized industrial sites. Complicated federal remedies offered no solution to communities stricken with the burden of blighted areas, the former drivers of their tax base and economic fortune.

The common-sense approach of Pennsylvania's Land Recycling Program changed the landscape, bringing vibrancy and renewal to cities, towns and villages across the Commonwealth. Since the program's inception in 1995, 697 sites have been cleaned up and returned to productive use. These sites now employ more than 20,000 Pennsylvanians. And, the Land Recycling Program progresses toward new milestones.

The program's fifth year — July 1999 through June 2000 — represents a watermark for environmental progress in Pennsylvania, not just in land recycling, but in many other ways as well. Most notably, Gov. Ridge signed into law the largest environmental restoration program in Pennsylvania's history. As the Land Recycling Program has allowed us to reclaim our industrial heritage, the landmark "Growing Greener" legislation will help concerned Pennsylvanians across the state restore the splendor of Penn's Woods through funding for community planning, abandoned mine land reclamation, watershed restoration and targeted infrastructure. In concert, the Land Recycling Program and "Growing Greener" offer Pennsylvanians the tools to achieve smart growth in the information-age economy.

As we mark this anniversary of the Land Recycling Program, I encourage you to take note of the progress Pennsylvania has made. As DEP Secretary, I assure you that we will not rest on our successes, but continue to strive to be a national leader in all we do.

In the pages that follow, you will read the success stories of many of these projects and how they have energized communities and helped to return Pennsylvania to its place as a leader among states and a competitor among nations. You also will learn how DEP plans to sustain and enhance these successes through such new initiatives as the launching of a financial intermediary for brownfields development.

By embracing innovative technology, building new partnerships and expanding land renewal with our fellow Pennsylvanians, I am confident the Commonwealth will continue leading the way in environmental progress.

A handwritten signature in green ink, appearing to read "J. Seif". The signature is fluid and cursive, written on a light-colored background.



*Philadelphia skyline overlooks
the Schuylkill River*

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Pennsylvania's Land Recycling Program

A Look Back on Five Years of Cleanup Success

Today's Pennsylvania is a much different place than it was, May 19, 1995, the day Gov. Tom Ridge signed into law Acts 2, 3 and 4, establishing Pennsylvania's Land Recycling Program, administered through the Department of Environmental Protection (DEP). These Acts ushered in a new era of economic and environmental progress in Pennsylvania. Leading the way in land recycling innovation and progress, Pennsylvania's Land Recycling Program matches the needs of today's high-tech, consumer- and service-driven economy with the promise of environmental renewal.

As Gov. Tom Ridge noted at the signing, the voluntary nature of the Land Recycling Program is "simply a case of government making sense." This common sense approach to government, coupling liability relief with the unique vision of Pennsylvania's communities, creates progress, partnership and innovation where there once stood stagnant and abandoned industrial sites. Acts 2, 3 and 4, set the stage for these successes, but the hard work and dedication of thousands of Pennsylvanians make land renewal and economic development a reality.

A look at a few of these stories demonstrates how the Land Recycling Program has influenced the lives of many Commonwealth citizens, from the eastern bank of the Delaware River to the shores of Lake Erie, from the Pocono Mountains in Northeastern Pennsylvania, to the Mon Valley and back. Pennsylvania's Land Recycling Program has paved the way for 66 of Pennsylvania's 67 counties to remediate contaminated land.

First Site Enters Land Recycling Program

The first site remediated under the Land Recycling Program was the Delta Truck site in Perry Township, Berks County. The Delta Truck site historically housed businesses engaged in fabricating and painting auto truck bodies, operating from 1959 until 1993. Keystone Environmental Services, Inc., as a potential buyer, assessed and cleaned up the property. Keystone disposed 666 tons of discarded clothing, 2,375 gallons of waste oil, 95 tons of contaminated soil and debris, 42 drums of hazardous waste and two 4,000-gallon underground storage tanks. Subsequently, the site

The Land Recycling Program matches the needs of today's high-tech, consumer- and service-driven economy with the promise of environmental renewal.

became the first in Pennsylvania to qualify as a Special Industrial Area under the Land Recycling and Environmental Remediation Standards Act (Act 2), in October 1995. Keystone Environmental Services, Inc., maintains an active business on the property thanks, in part, to the Land Recycling Program.

This first site led the way for other abandoned industrial sites to take advantage of the Land Recycling Program's innovative and multi-beneficial approach to site cleanup, and community and business development.

Land Recycling Reaches Impressive Milestones

Within two years of its inception, the Land Recycling Program achieved a significant milestone...100 sites approved. DEP Secretary James M. Seif, speaking to the Environmental Quality Board in June 1997, announced, "Under the leadership of Gov. Tom Ridge, Pennsylvania's Land Recycling Program has become the national model for turning idle, abandoned, contaminated sites into thriving industrial property. These sites are generating good paying jobs while preserving the state's valuable open space."

By 1997, 100 sites were returned to prosperous community use, and the Land Recycling Program had achieved a two-year track record that validated its success. The program was rolling full steam ahead.

About this same time, land use experts and policy makers across the country were beginning to take notice of how land recycling was being done. Pennsylvania had figured out how to assemble a voluntary cleanup program that made sense and worked. The Commonwealth emerged as a leader in industrial property reuse and received national recognition for its achievements:

- The Council of State Governments (COG) selected the Land Recycling Program as its 1997 Innovations Award winner;
- The American Legislative Exchange Council adopted the program as the national model for industrial site recycling; and
- The Ford Foundation honored the program with its Award for "Top Ten Innovations in Government."

"Pennsylvania's Land Recycling Program has become the national model for turning idle, abandoned, contaminated sites into thriving industrial property. These sites are generating good paying jobs while preserving the state's valuable open space." — DEP Secretary James M. Seif

At a Washington, D.C., awards dinner hosted by the Ford Foundation and the John F. Kennedy School of Government at Harvard University, Pennsylvania's Land Recycling Program was praised as a national model for brownfields redevelopment. "We are pleased to recognize this important program that shows how government can reinvigorate abandoned urban areas by cleaning the environment and promoting business opportunities — while preserving its farms and undeveloped lands," Michael Lipsky of the Ford Foundation said.

Also in 1997, participants in Pennsylvania's Land Recycling Program received honors from The Phoenix Awards, a national awards program for brownfield excellence, created that same year. The awards honor individuals and groups that have implemented innovative, yet practical, programs for brownfields remediation. The awards place emphasis on the magnitude of the problems addressed by the projects, the use of innovative techniques, the cooperative efforts of multiple parties to undertake projects (including innovative financing solutions), and the projects' general and economic impacts on the community.

The Industrial Plaza of York, York County, was selected as the 1997 Phoenix Award grand prize winner for the private sector. The former York Manufacturing Company site was a typical inner city American factory — a jumble of buildings crammed into a six-acre city block next to the rail-corridor that supported the area when the 20th century began. The factory employed 2,500 people, until the site was abandoned in 1958. It was vacant for 35 years, and became an eyesore — a blighted area that attracted vagrants and crime while it threatened to collapse.

The York County Industrial Development Corporation and the City of York joined forces to revitalize abandoned industrial properties and return them to productive use. Buchart-Horn/BASCO Associates was commissioned to provide architectural and engineering design services for renovating the site, and transforming the area into a progressive commercial complex, which included the William C. Goodridge Business Resource Center.

Buchart-Horn/BASCO is the largest tenant at the complex, and the Resource Center is a new business incubator for minority- and women-owned business. The \$15.6 million project created about 500 jobs with an annual payroll of \$12.1 million. Reuse of the site generates an estimated \$34.6 million benefit to the York region.

Again, in 1998, Land Recycling Program efforts were recognized, with the Ingersoll-Rand Redevelopment Project in Charleroi, Washington County, winning the Phoenix Award for the public sector.

Ingersoll-Rand, a mining machinery repair business, closed its doors in 1988. The four-acre site was contaminated by toxic materials and surrounded by a dense residential community suffering from significant unemployment and poverty. The Washington County Redevelopment Authority collaborated with Ingersoll-Rand; environmental regulatory agencies; town municipalities; and county, state and federal government to acquire, remediate and renovate the site. The site now houses Tri-State Hydraulics, Inc., and Jaycee Foods, Inc.

Using funding from a variety of public and private sources, the Redevelopment Authority invested \$1.6 million to revitalize the site. An environmental

cleanup action was conducted under the auspices of DEP. Unusable buildings were demolished, an existing manufacturing building was renovated and a new facility was constructed at the site. The new facility occupants, Tri-State Hydraulics and Jaycee Foods, employed 59 residents with an expectation of increasing employment to 102 within the next three years.

The Land Recycling Program was making history with its national recognition as a model for land remediation and community development, and was reaching cleanup milestones along the way. In two years, an additional 400 sites were remediated under the program standards. In July 1999, Gov. Tom Ridge was proud to announce, “We now have cleaned up 500 sites. More than 15,000 Pennsylvanians now are employed at these formerly abandoned properties.”

Land Recycling Program Moves into the Future

As the Land Recycling Program approached the new millennium, its cleanup success kept Pennsylvania in the forefront of the national brownfields remediation scene.

“Pennsylvania’s Land Recycling Program is a symbol of government at its best,” National Brownfield Association Executive Director Robert V. Colangelo said. “The program proves you can do what is environmentally sound while ensuring smart economic growth. Their program has inspired other states to pursue voluntary cleanup programs. I am often asked about state programs that exemplify innovation and leadership. Pennsylvania is always the state I point to for an example of ‘how to do it right,’” he said.

In 1999, Pennsylvania was recognized for its innovative land redevelopment work prior to the formalization of state-wide efforts to bring uniformity to brownfields cleanup, and for its strategic partnerships that helped revitalize communities through land recycling.

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— National Brownfield Association Executive Director Robert V. Colangelo



The Pittsburgh Technology Center, in Allegheny County, was recognized as the 1999 Phoenix Award winner under the magnitude of the project category. The first uses of the site included a copper smelter, iron and bronze metal working facility, saw mill, coal production site and other functions. Eventually, the site was purchased by a major steel company, which constructed and integrated a steel plant. Remediation work included the removal of ferrous cyanide, tar pits, 420,000 gallons of oil water and 2,000 gallons of waste oil. The investment in the project and community is estimated at \$122 million.

The redevelopment of this 150-year old industrial site represents the first steps in the transformation of the region's economy from manufacturing to high technology. The project was instrumental in helping establish risk-based remediation standards and redevelopment methods prior to the advent of Pennsylvania's Land Recycling Program. The project also signified one of the first uses of Pennsylvania's Tax Increment Financing Act. The site is home to eight new high technology buildings and employs more than 1,000 people.

"We are proud that these projects, Pittsburgh Technology Center and Washington's Landing, were chosen as Phoenix Award winners," County Executive of Allegheny County Jim Roddey said. "The award is great recognition for the projects and it garners national attention for Pittsburgh, telling the country that Allegheny County is a leader in smart growth."

The Sovereign Oil Site Redevelopment, in Philadelphia, with its strong collaborative multi-agency partnership, also was recognized as the 1999 Phoenix Award winner under the environmental regulatory issues category. The Sovereign Oil site posed a community and environmental health threat, in the middle of a once thriving neighborhood. When the site shutdown, leakage and seepage extended onto the streets. Other potentially marketable land remained vacant next to this hazardous site. The neighborhood did not have the resources to tackle the problem by itself, but it did have resources from the Housing and Urban Development agency as a federal empowerment zone. These resources allowed the neighborhood to play a meaningful role as a partner in the redevelopment project.

The revitalization was completed by Asia Foods, a local business; the City of Philadelphia's Commerce Department; and an innovative combination of state legislation, mixed financing and proven technology. The project also began a process of renewal for the entire local industrial area by providing a large, visible and successful anchor on the southern end of the corridor. Remediation efforts included the removal of 18,000 gallons of free product and 300 cubic yards of soil. The total investment in the project and neighborhood was \$4.6 million.

Capitalizing on a winning opportunity, Asia Foods, expanded its retail space by 50 percent into a modern facility; 25 new jobs were created; 45 jobs were retained; and the neighborhood received a new, productive facility on its major industrial corridor. Once again, the city was safe from environmental contaminants and free to pursue economic productivity.

Pennsylvania's Land Recycling Program continues to showcase its successful remediation efforts that involve innovation, partnership and land renewal. Now, five years since it all began, the Land Recycling Program has cleaned up 697 sites. More than 20,000 jobs have either been created or retained, and a steady stream of businesses and communities continue to take advantage of the program.

"In Pennsylvania, we're making abandoned sites more attractive, environmentally and economically," Gov. Tom Ridge said. "Our Land Recycling program offers site assessments, uniform cleanup standards, liability relief and financial assistance to help employers redevelop our brownfields. It enables us to return abandoned areas to productive economic use. In return, our greenfields have a better chance of staying green."

*Make history.
Be our 1,000th site.*





A former manufacturing facility in Bangor, Northampton County, is remediated for its new occupant, BRW Realty, Inc. DEP and its state contractors have fostered partnerships with local economic development organizations, local government and private investors to clean up sites like this under Pennsylvania's Land Recycling Program.

Pennsylvania's Land Recycling Program

Overview

Five years ago, Pennsylvania established a national model for overcoming the impediments to brownfield redevelopment. Today, Pennsylvania's Land Recycling Program continues to be a driving force in the transformation of idle sites into productive, economically viable land.

The Land Recycling Program is composed of four cornerstones which break down redevelopment obstacles: uniform cleanup standards, liability relief, standardized reviews and time limits, and financial assistance. Hundreds of voluntary partnerships have formed among businesses, communities and DEP to turn brownfield liabilities into social and economic opportunities. The Land Recycling Program's common sense standards and streamlined process are key to its success. *(See descriptions of the Land Recycling Program's cleanup standards in Year in Review section.)*

The Land Recycling Program encompasses all of DEP's hazardous site response activities. The program is managed through three main organizational units: 1) six regional Environmental Cleanup Program (ECP) field offices, 2) the Land Recycling and Cleanup Program (LRCP) Division (program planning and development unit) and 3) the Remediation Services Division (program support unit). The regional ECP offices are responsible for front-line implementation, focused outreach and site-specific project oversight. Remediation Services and the LRCP divisions are central office entities that develop and evaluate programs, prepare policy and technical guidance, offer technical support, manage contracts, develop multi-site projects, revise regulations, coordinate multi-regional functions and conduct program outreach.

The fifth annual report highlights the achievements of Pennsylvania's Land Recycling Program and its facilitation of partnerships that clean up brownfields. In the next pages, you will learn about DEP's success in educating key audiences about the program, and building new initiatives and financial opportunities for these stakeholders. Regional showcases exemplify collaborative remediation and redevelopment efforts that benefit industry, local communities and the environment. These showcases include: Conshohocken's 5-Tower Bridge project; Muncy's Andritz Inc., site; Bangor's BRW Realty, Inc., site; Lebanon's GEESI site; Farrell's Henry Evens Industrial Park site; and Johnstown's Johnstown Corporation site. The report also covers Land Recycling Program related initiatives including:

- Multi-Site Agreements
- Buyer/Seller Agreements
- Key Sites Initiative
- Hazardous Sites Cleanups
- Storage Tank Cleanups

Read on and learn why, after five successful years, Pennsylvania's Land Recycling Program is providing the country with a model for land use and economic growth.



SHARON TUBE CO.



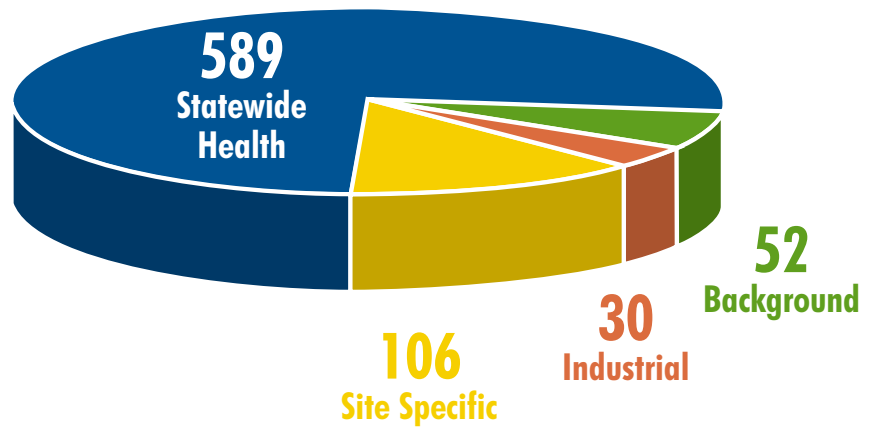
Taking advantage of community collaboration and redevelopment funding, the Sharon Tube Company, Mercer County, expanded locally, instead of relocating in another state. (L to R): Lee Hooper, Sharon Tube; John Fair, SVIDC; Paul O'Brien, O'Brien Construction Co.; Craig Lobins, DEP; John Holliday, SVIDC; and William Perrine, Sharon Tube.

Pennsylvania's Land Recycling Program Year In Review

Cleanup Success

Since the Land Recycling Program's inception, 777 cleanups have taken place on 697 sites, including 213 cleanups during DEP fiscal year July 1999–June 2000. The average site being remediated is about 20 to 50 acres.

Completed Cleanups by Standard



Pennsylvania's Land Recycling Program Standards — Sites must meet one or more of these cleanup standards to receive liability relief:

Background. This standard requires cleanup to naturally occurring or historical concentrations. It often applies to a site where contamination moves onto the site from a nearby property.

Statewide Health. This standard is derived from medium-specific chemical concentrations based upon acceptable cancer and systemic health risks that account for use and non-use groundwater, as well as residential and nonresidential exposure factors at a site.

Site-Specific. This standard allows the remediator to consider exposure and risk factors to establish cleanup levels appropriate for the intended use of the site.

Special Industrial Area. To qualify for this status, a site must either have no responsible owner or be in an enterprise zone. The party conducting the cleanup must not have contributed to the site contamination and must develop a cleanup plan. Cleanup actions must address all immediate, direct or imminent threats, based on the intended use of the site.

Land Recycling Program sites can be remediated using one or a combination of four standards, giving each site as much cleanup flexibility as possible. These four standards include: the background standard, the statewide health standard, the site-specific standard and a special industrial area designation (*see standard descriptions in sidebar at left*). The statewide health standard was applied to 589 cleanups, followed by 106 cleanups under the site-specific standard, 52 cleanups utilized background standard, and special industrial area procedures

were applied to 30 cleanups during July 1995–June 2000. (see Figure 1 for a breakdown of standards used in each region).

For a complete list of Land Recycling Program cleanup listings and site descriptions see Appendix 1 and Appendix 2.

The popularity of the Land Recycling Program also can be seen by the number of notifications of intent to remediate which represent more than 1,000 sites. The program’s redevelopment efforts have been publicly supported through more than \$28 million in grants and loans by Land Recycling Program partners, which have facilitated site assessments and cleanups.

“Pennsylvania’s DEP helped us turn a potential business and environmental liability into a significant asset,” Ex Officio Chairman and CEO of Bethlehem Steel Corporation Curtis “Hank” Barnette said. “The Land Recycling Program opens the door to opportunity.”

Getting the Message Out

DEP is seeking new participants in the Land Recycling Program. Buyers, sellers, developers, local government, community members and lenders are encouraged to create their own success stories. Program marketing, including outreach and customer satisfaction, are important program elements because they encourage program participation, assure compliance with standards and spread the word about Pennsylvania’s innovative remediation approach.

Key outreach activities included: completion and submission of a three-year effectiveness report to the state legislature, completion of market research interviews,

Figure 1 — Completed Cleanups by Region

Region/ Standard	Back- ground	Statewide Health	Site Specific	Industrial	Total
Northeast	4	130	5	1	140
Southeast	20	167	47	5	239
Northcentral	5	31	7	1	44
Southcentral	20	166	25	15	226
Northwest	2	46	3	8	59
Southwest	1	49	19	0	69
Total	52	589	106	30	777

program publication development and distribution, trade and siting journal advertising, speaking engagements and tradeshow participation, and partnerships with like-minded organizations and businesses. DEP also has created tools to aid economic development agencies, consultants, attorneys and others in getting the word out about Land Recycling Program opportunities.

The following pages highlight some of the key DEP outreach activities during the past year. If you would like to learn more about the program, contact us at (717) 787-6264 or at landrecycling@dep.state.pa.us, for program literature, upcoming workshops, and meeting and conference speakers.

Surveys and Program Evaluation

After five years of experience, DEP is taking significant new steps in its role as a business partner at the redevelopment table. A recent market research study and a program evaluation presented DEP with opportunities for program improvement and reinforced program strengths.

Q2 Market Research, located in Yardley, Berks County, conducted in-depth interviews with about 100 buyers, sellers, lawyers, environmental consultants, lenders,

more than
\$28 million
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by Land Recycling Program partners

insurers and local government representatives about their experiences with the Land Recycling Program. The goal of the research was to better understand the needs of these market segments and to fuel DEP with ideas of how to better reach and support these important groups. The goal was met, but the work has only begun.

DEP is acting on the results of this research by expanding its program outreach and working with allies to spread the word about opportunities afforded by land redevelopment in Pennsylvania. New program materials are under development to educate new participants about land recycling. New tools will ease the process for buyers and sellers alike. DEP learned that many key audiences are uninformed about the myriad financial incentives in place for private and public entities. This annual report serves as an important step in providing target audiences with the resources to transform redevelopment opportunities into realities in Pennsylvania.

Publications and Advertisements

Raising public awareness of the Land Recycling Program, and promoting the environmental and economic benefits of redevelopment are hallmarks of the program. This year, DEP distributed more than 7,000 Land Recycling Program brochures and annual reports to educate new audiences, generate program interest and showcase the proud results of redevelopment projects. The International Association of Business Communicators also received the program's



brochure, *Pennsylvania's Land Recycling Program: A Clear Road to Redevelopment*, and honored the design team with a 1999 Silver Inkwell Award of Merit.

In 1999, advertisements designed to raise awareness of the Land Recycling Program and promote participation were placed in several national magazines and trade journals such as *Area Development*, *Brownfield News*, and *Site Selection*. Ads also appeared in regional business publications such as *Central Pennsylvania Business Journal*, *Philadelphia Business Journal* and *Pittsburgh Business Times*. If you are interested in placing an ad or an article about the Land Recycling Program in your trade industry's publication, please contact Tom Mellott at (717) 783-7816 or at landrecycling@dep.state.pa.us.

Increasing Land Recycling Program Visibility

DEP is interested in increasing the visibility of the Land Recycling Program and its initiatives. We have discussed the program with government leaders from Canada and Scotland, and throughout the United States.

After five years of experience, DEP is taking significant new steps in its role as a business partner at the redevelopment table.

Brownfield programs are gaining in popularity and are springing up from coast to coast. While uniqueness may be built into individual programs, states such as California, Connecticut, Kansas, Massachusetts, Missouri, New York, Ohio, Texas, Utah, Virginia and West Virginia are looking to Pennsylvania's three-bill package as a foundation for their remediation program initiatives or are looking at the new aspects of our program. Puerto Rico and New York City developers and planners also have shown an interest in Pennsylvania's approach to cleanups and redevelopment.

*the Land Recycling Program's
webpage registered more than*

30,000 hits

last year

DEP designed a new website to share information about this innovative program with the world. Information is available through DEP's website, www.dep.state.pa.us (**directLINK** "Land Recycling"), and the program's information request line, (717) 787-6264. Our webpage includes case studies and helpful tools such as our model Buyer/Seller Agreement and Brownfields Directory, a listing of several hundred properties for sale in Pennsylvania. The Land Recycling Program's webpage registered more than 30,000 hits last year.

Workshops and Conferences

Workshops and conferences continue to be a popular way of increasing our visibility and sharing information with small groups of clients including consultants, developers, lawyers, the financial and real estate communities, economic development agencies, business and industry groups, and others. This year DEP will schedule workshops to provide clients with updates on changes in regulations and department

DEP showcased

136 properties

for sale in Pennsylvania

policies. DEP has a number of first-rate speakers who make presentations about these changes and other land recycling topics.

Additionally, in February 2001, DEP will co-host a Mid-Atlantic Deal-Flow Marketplace, along with the National Brownfield Association and the states of New Jersey and New York. The Mid-Atlantic Deal-Flow will bring owners, developers, transaction support and policy players together to provide the venue for a common goal — getting deals done. If you are interested in either the workshops or the marketplace, please contact Tom Mellott at (717) 783-7816 or at landrecycling@dep.state.pa.us for further information.

DEP is committed to national and international outreach that leads to network opportunities and information sharing with large and more diverse audiences. Representing the Land Recycling Program, DEP led, participated in and distributed program information at several national and international conferences. Some of these highlights include:

- **Deal Flow 2000 — Distressed Property Marketplace** — DEP participated in the first national marketplace for property owners, developers, investors, lenders, insurers, brokers and others to showcase brownfield sites with the goal of generating sales and economic development. DEP co-sponsored the event with the National Brownfield Association, an organization of buyers, owners, developers and others focused on brownfield redevelopment.



DEP is committed to national and international outreach that leads to network opportunities and information sharing with large and more diverse audiences.

Instead of displaying only program information, DEP showcased 136 properties for sale in Pennsylvania. These sites were identified through our Brownfield Inventory Grants. Representatives from six economic development agencies joined with us to market their sites, including: Maureen Ford, Regional Industrial Development Corporation of Southwestern Pennsylvania; Bob White, Redevelopment Authority of Bucks County; Andy Toy, Philadelphia Commerce Department; Kathy Phifer, Redevelopment Authority of Montgomery County; Lisa Bobzien, York County Economic Development Corporation; and Phyllis Stellfox, Lancaster County Commissioners. More than 450 people attended the event in Chicago, April 25 and 26, 2000, to investigate a variety of properties with 41 exhibitors from across the country. In addition, Bob Baron from Bethlehem Commerce and Bob Behling from PPL joined forces with us to showcase these Pennsylvania properties. This broad representation reflected the wealth of opportunities throughout our state. Several interested purchasers followed up with Bethlehem Commerce and our economic development agencies for further information and for site tours. They are expecting sales in the near future.

As the keynote speaker, DEP Deputy Secretary for Air, Recycling and Radiation Protection Denise Chamberlain provided information on Pennsylvania's emerging initiatives geared toward increasing lending for brownfield projects. Chamberlain also participated on a policy panel with EPA Deputy Assistant Administrator Timothy Fields and HUD Assistant Secretary Cardell Cooper to announce upcoming federal and state initiatives. Land Recycling Program Manager Tom Fidler presented a workshop on

many useful tools and strategies for reusing former industrial sites.

■ **Scottish Environmental Industries Association's Contaminated Lands Forum** — In December 1999, DEP Land Recycling Program staff member Jim Spontak spoke to members of Scotland's new parliament, in Dunfermline, Scotland, about Pennsylvania's Land Recycling Program's statewide standards, procedures, liability relief, success stories and new program initiatives. Scotland's past economy, like Pennsylvania's, was based in iron, steel and coal making. This industrial history caused environmental problems similar to those in Pennsylvania. Scotland's new parliament is interested in learning how Pennsylvania is solving its environmental problems through the Land Recycling Program.

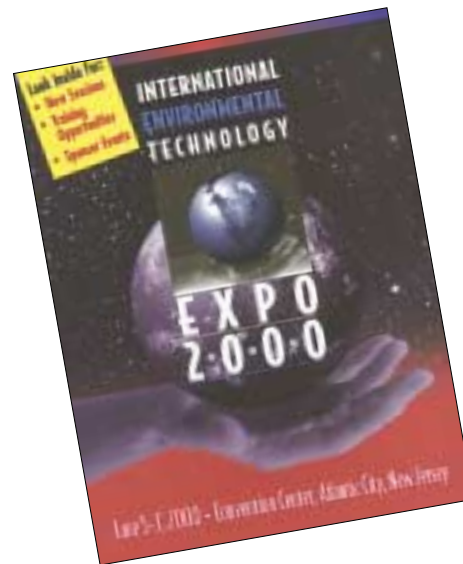
■ **Globe 2000** — Pennsylvania's DEP and Department of Community and Economic Development (DCED) led a delegation of business leaders to one of the largest international conferences and environmental technology trade shows in the world. The Vancouver, British Columbia, conference draws more than 12,000 visitors annually, offering opportunities for Pennsylvania environmental firms to develop business in Canada and across the globe. The conference also provides an ideal forum to encourage businesses to purchase and recycle sites in Pennsylvania. The Land Recycling Program was one of the featured Pennsylvania programs that interested many of our international trading partners. Deputy Secretary Chamberlain conferred with the Canadian Prime Minister of the Environment to discuss how Canadians can adopt elements of the Land Recycling Program to promote redevelopment in Canada.

- **Brownfields 1999 Conference — Alliances for 21st Century Livability...Environmental Challenges and Solutions** — Land Recycling Program representatives participated in the largest brownfield conference of its kind. The 1999 conference brought 2,500 attendees from across the country to Dallas, Texas, where DEP participated in panel discussions and exhibited case studies and program information.
- **International Environmental Technology Expo 2000** — DEP participated in the expo geared toward company decision-makers, regulators and technology developers, in Atlantic City, N.J., June 2000. Participants gained information to design and deploy technologies faster, more effectively and more efficiently. Deputy Secretary Chamberlain led a discussion about redevelopment opportunities and challenged the participants to join in developing a sustainable future through brownfields revitalization.

Reaching Farther with New Initiatives

A sound foundation of five years' experience carries the Land Recycling Program to the next level of environmental and economic challenges. We must further develop and foster collaborative relationships with the financial community, work smarter on building new transitional models to ensure environmental safeguards are monitored and maintained, and provide products that limit or remove liability concerns.

These products of the future reflect DEP's understanding and commitment to a standard of environmental excellence while building on smart growth and 21st century economic development opportunities. Moving forward means expanding our client base and offering new products such as Financial Resources for the Environment (FRE), PA SiteFinder, *The Insider's Guide to Land Recycling* (a program and incentive guide) and an EPA Superfund/RCRA Memorandum of Understanding (MOU).



Financial Resources for the Environment (FRE)

“To take the Land Recycling Program to the next level, we need increases in capital for brownfield redevelopment and other green initiatives,” DEP Secretary James M. Seif said. “Our program has surpassed its federal counterpart, but it needs investors from the private sector for Pennsylvanians to truly take full advantage of the opportunities presented by brownfield redevelopment.”

DEP has uncovered strong interest in providing additional capital to spur further advances. A consortium of 40 banks, utilities and corporations are forming a financial intermediary to increase lending and venture capital opportunities for brownfield redevelopment and other worthy environmental projects. William F. Hecht, chairman, president and CEO of PPL, Inc.; and James J. Lynch, chairman and CEO of Pennsylvania Summit Bank, are co-chairs of the executive task force of senior bank, corporate and community leaders who will develop the multi-million dollar lending vehicle.

We must further develop and foster collaborative relationships with the financial community, work smarter on building new transitional models to ensure environmental safeguards are monitored and maintained and provide products that limit or remove liability concerns.

The FRE project was launched on Dec. 3, 1999, with the support of three cabinet secretaries: Sam McCullough, DCED; James M. Seif, DEP; and David E. Zuern, Department of Banking, with support from the Federal Reserve Banks of Philadelphia and Cleveland. Michael Brown, senior vice president at Summit Bank, is chairman of the working task-force being assisted by Sid Johnson, The Development Fund; and Keith Welks, The Phoenix Land Recycling Company. The Development Fund, a nonprofit organization, has a national track record of creating private-sector-financing intermediaries for community development. The working group is developing lending criteria for various credit offerings and an organizational structure. If you would like to participate as a member of the task force, or if you are interested in ultimately providing capital, please contact Michael Brown of Summit Bank at **(215) 836-3810**.

PA SiteFinder

Looking to purchase a site in Pennsylvania? Do you have a former commercial site to sell? DEP can help make it happen. DEP is developing a web-based listing of properties available for redevelopment in Pennsylvania, and has piloted this concept with the Brownfields Directory available on DEP's website. Several sites already have sold through this real estate tool, and many people check the listing when searching for properties with special characteristics. But this directory is only a starting point.

In the fall of 2000, DEP will unveil PA SiteFinder, an on-line marketplace leveraging state-of-the-art technologies that will facilitate redevelopment transactions. Hundreds of sites from which to choose are available throughout Pennsylvania. PA SiteFinder will provide a simple, efficient means of accessing real estate information at no cost to the user or advertiser. A user will search PA SiteFinder by property location, acreage, building square footage or cost. Once a potential site is identified, additional information can be retrieved including: county, township, property size, zoning, usable buildings, building condition, building area, utility access and other helpful information. In addition, users will reach owners or realtors directly by email for additional information.

Many sites are being listed as the information is gathered under our Brownfield Inventory Grants (BIG) program. With BIG, municipalities and other

local government entities are compiling information about available properties and posting them for sale. Private parties, real estate foreclosure departments or companies also can list properties for sale. Reach a new market and list your former commercial sites with us — contact Tom Mellott at **(717) 783-7816** or at **landrecycling@dep.state.pa.us** to start today.

Regional Deal-Flow Marketplace

In February 2001, DEP will co-host a Mid-Atlantic Deal-Flow Conference, along with the National Brownfield Association, and the states of New Jersey and New York. The Mid-Atlantic Deal-Flow comes on the heels of the successful Deal-Flow 2000 conference held in Chicago, in April 2000. Playing on the ideas originated by Deal-Flow 2000, the Mid-Atlantic Deal-Flow will bring owners, developers, transaction support and policy players together to provide the venue for the common goal — selling properties for economic development.

The conference will provide seminars and panel discussions led by key members of the brownfields community. Additionally, the conference will provide a tradeshow style setting for attendees and exhibitors to market properties and highlight property features and sales incentives. Pennsylvania is excited about hosting such a cutting-edge conference. We invite property owners, both private and public, to showcase their properties, and encourage economic development agencies, developers, and business owners to attend. For information about this opportunity, please contact Eric Thumma at **(717) 772-2724** or at **thumma.eric@dep.state.pa.us**.

The Insider's Guide to Land Recycling

The new era of information technology and exchange has presented DEP with an opportunity to enhance our outreach to new clients in ways that will simplify and demystify the land recycling process. We are

PA SiteFinder will provide a simple, efficient means of accessing real estate information at no cost to the user or advertiser.

DEP's Land Recycling Program continues to open doors for many involved in the redevelopment process by offering a variety of financial assistance, incentives and programs.

drafting *The Insider's Guide to Land Recycling* that will assist first time buyers, sellers and developers in understanding the “ins” and “outs” of the process. This tool also will be a ready reference for the experienced user. A CD-ROM version will include “how to” information about land redevelopment, state and federal funding opportunities, and other types of support or incentives from different sources, such as foundations and non-profit organizations.

Assembling all of the information you ever wanted to know about brownfield transactions will benefit all parties who play a part in the deal. The materials will include model agreements and applications to participate in grants, loans and other brownfield opportunities. We expect this bestseller to be published in the spring 2001.

EPA Superfund/RCRA Memorandum of Understanding (MOU)

More than 700 cleanups have been approved under Pennsylvania's Land Recycling Program standards, and EPA has not intervened in a single case. However, clarification of issues related to state/federal environmental liability is in the best interest of the Commonwealth, property owners, prospective property purchasers, businesses and EPA.

DEP's goal is to provide optimum services and opportunities to avoid duplicative efforts for remediators and to satisfy both state and federal liability by cleaning up sites using the Land Recycling Program's standards. DEP has participated in ongoing discussions during 1999–2000, to pursue an MOU with EPA — cutting the red tape and eliminating duplication of remediation efforts.

Field-testing of methods to voluntarily address the federal Superfund and RCRA program requirements as part of the Land Recycling Program cleanups is ongoing at several sites across the state. The collaborative federal/state/private partnership is exploring cost-effective answers to issues that create time-consuming obstacles and costly solutions. This effort has proven invaluable for all parties. Both EPA and DEP realize that finalizing this agreement will enhance planning and communication efforts in streamlining the environmental remediation process.

A key factor in meeting these goals is the consensus among state and federal authorities that allows for expedited cleanup and avoids duplicative efforts. Completion of the agreement is dependent, in part, on completion of the fieldwork at the pilot sites and certain RCRA guidance being developed by EPA.

Opening Doors with Financial Opportunities and Incentives

DEP's Land Recycling Program continues to open doors for many involved in the redevelopment process by offering a variety of financial assistance, incentives and programs. Some of these services include the Brownfields Inventory Grants, DCED's Industrial Sites Reuse Program, Infrastructure Development Program, Keystone Opportunity Zones (KOZs), Key Sites Initiative and “Growing Greener” Initiative.

Brownfields Inventory Grants (BIG)

Pennsylvania's municipalities and economic development agencies are identifying properties with idle or under-utilized commercial and industrial facilities to offer them for sale as new economic opportunities. Many sites with attractive features are available — features include significant acreage, 14-foot ceilings, rail spurs and ideal locations to transportation. DEP applauds the local efforts and wants to provide meaningful assistance to identify and market these sites.

Under the BIG program, DEP provides grants to municipalities, counties and redevelopment authorities to inventory brownfield properties in their area. If these properties are available for redevelopment, information about infrastructure, usable site buildings, suspected or confirmed environmental contamination and other related facts are collected and listed on DEP's Brownfields Directory, a web-based multi-site listing of Pennsylvania properties.

The online multi-list receives frequent inquiries from developers, site locators and others searching for sites available for redevelopment. Several sales already have occurred. Later this year, this real estate tool will be redesigned as PA SiteFinder, including new features to help BIG recipients market and sell property in Pennsylvania.

BIG grants are on a rolling cycle and provide \$1,000 per inventoried site, as much as \$50,000 per grantee, per grant cycle. DEP awarded grants to 44 applicants, covering 53 counties, in 1999–2000. These grants have a potential value of more than \$2.25 million during the first grant cycle. The organizations that are stimulating economic development in their communities are listed in Appendix 4.

Don't miss an opportunity to promote economic development in your community. The next round of grants will be announced in the Pennsylvania Bulletin and on the DEP website, www.dep.state.pa.us (**directLINK** "Land Recycling.") Visit the website and click "Brownfields Inventory Grants" for background, instructions and an online application form. Information also is available by contacting Craig Olewiler at (717) 783-7816 or at landrecycling@dep.state.pa.us.

Industrial Sites Reuse Program (ISRP)

Grants and low-interest loans are available for environmental assessments and remediation of former commercial sites. DCED administers the program and provides grants to municipal and local authorities, non-profit economic development agencies and similar organizations. Low-interest loans are available to private parties, with current interest at two percent.

As much as \$200,000 is available for environmental assessments and as much as \$1 million for remediation. Funds must be used to finance as much as 75 percent of costs of environmental assessment or remediation. More than \$28 million was loaned or granted for environmental assessments or remediation including funds for the Greater Erie Industrial Development Corporation, Philadelphia Regional Port Authority, Pittsburgh Economic and Industrial Development Corporation, Altoona-Blair County Development Corporation, Beaver County Corporation for Economic Development, Allentown Commercial and Industrial

Development Authority and others listed in Appendix 3. For more information, contact Scott Dunkelberger, at (717) 787-7120, or check out DCED's Funding Source Directory at its website www.dced.state.pa.us.

Infrastructure Development Program

The Infrastructure Development Program provides grant and low interest loans to finance public and private infrastructure improvements needed for a business to locate or expand at a specific site. The program also provides financing for infrastructure costs required to redevelop industrial and commercial sites idle for more than six months. The funds may cover costs of clearing and preparing land, environmental remediation, waste and sewer systems, parking lots, storm sewers, and renovation and demolition of former industrial and commercial sites.

These loans and many more types of financial assistance are available by applying through a single application. The process reduces paperwork and facilitates the coordination of resources for a total package focused on creating economic development. "The application is easy, just 12 pages," Vice President of Alliance Environmental Senya Isayeff said. "Businesses should take advantage of the many available funds through the easy on-line application process." The single application is available on-line, along with the Funding Source Directory. The Funding Source Directory explains all of the grant, loan and tax credit programs available from DCED. Visit DCED's resources at www.dced.state.pa.us.

*available funds include
as much as*
\$200,000
**for environmental
assessments**
&
\$1 million
for remediation

Keystone Opportunity Zones (KOZs)

Your next commercial site may be waiting for redevelopment in a Keystone Opportunity Zone (KOZ). With the powerful market-based incentive of tax abatements, many former commercial and industrial sites are attractive business opportunities. With sites located in 12 KOZs, businesses can take advantage of up to 12 years of greatly reduced or no tax burden properties. State and local taxes that are tax-exempt, waived or offset by credits or deductions may include: Corporate Net Income Tax; Capital Stock & Foreign Franchise Tax; Personal Income Tax; Sales & Use Tax; Earned Income/Net Profit Tax; Business Gross Receipts; Business Occupancy, Business Privilege & Mercantile Taxes; Local Real Estate Property Tax; and Local Sales and Use Tax.

Opportunity awaits with more than 27,000 acres of property located in 54 counties throughout Pennsylvania. Currently, 85 projects are underway in KOZs. These special areas also receive propriety consideration for state assistance under various programs, including the State Customized Job Training Program, Infrastructure Development and the Industrial Site Reuse and Opportunity Fund.

For example, Shenango Valley Industrial Development Corporation received \$1.6 million in state grants to develop a new industrial park on a 35-acre brownfield site, part of the former Sharon Steel facility (see *Regional Showcase feature, page 24*). For more information about KOZs, see *Related Program Successes (page 36)* and visit DCED's website at www.dced.state.pa.us.

businesses can take advantage of up to

12
years

of no tax burden properties

Key Sites Initiative

DEP is always looking for a few good sites to participate in the Key Sites Initiatives. Local economic development agencies may have sites that need more environmental information to accomplish sales, but lack the funding or expertise to conduct environmental assessments.

With the Key Sites Initiative, economic development agencies or local governments target abandoned sites or sites they own that have the best potential for reuse. Then, DEP uses state-funded contractors to conduct environmental site assessments, and prepare plans to encourage and facilitate the voluntary cleanup and reuse of these properties. The Key Sites Initiative focuses on using state funds to redevelop publicly-owned or controlled sites where a release of contamination is suspected or documented, and where a high potential for redevelopment on these sites exists. Community support, investor interest and economic development agency commitment to site reuse are the key ingredients to the success of this initiative. For more information, see *Related Program Successes (page 32)*. If you have a potential site, contact Tom Fidler at (717) 783-7816 or at landrecycling@dep.state.pa.us or contact your local DEP environmental cleanup manager for more information.

“Growing Greener” Initiative

The Land Recycling Program projects and initiatives are complimented by Gov. Ridge's “Growing Greener” initiative. “Growing Greener” aims to invest nearly \$650 million during the next five years to preserve farmland and protect open space, eliminate the maintenance backlog in state parks, clean up abandoned mines and restore watersheds, and provide new and upgraded water and sewer systems. Pennsylvanians may seek to combine “Growing Greener” grants with other funds to redevelop brownfields or combinations of brownfields and old mining sites called “greyfields.” “Growing Greener” grants are distributed in rolling grant rounds. For one-stop access to “Growing Greener” grants information, visit www.GrowingGreener.org.

Innovation. Partnerships. Renewal.

By creating innovative programs and incentives, and facilitating strategic partnerships, Pennsylvania's Land Recycling Program is in the forefront of brownfields renewal — transforming old sites into productive land.

As the Land Recycling Program marks its fifth year of progress, Pennsylvania recognizes that the program's realistic standards, liability relief, timely remediation review and financial assistance, provide a common sense solution to site cleanup and reuse that makes Pennsylvania an environmental leader. *(See the next page for a complete map of Land Recycling Program remediation efforts in Pennsylvania).*

Gov. Ridge's "Growing Greener" initiative aims to invest nearly

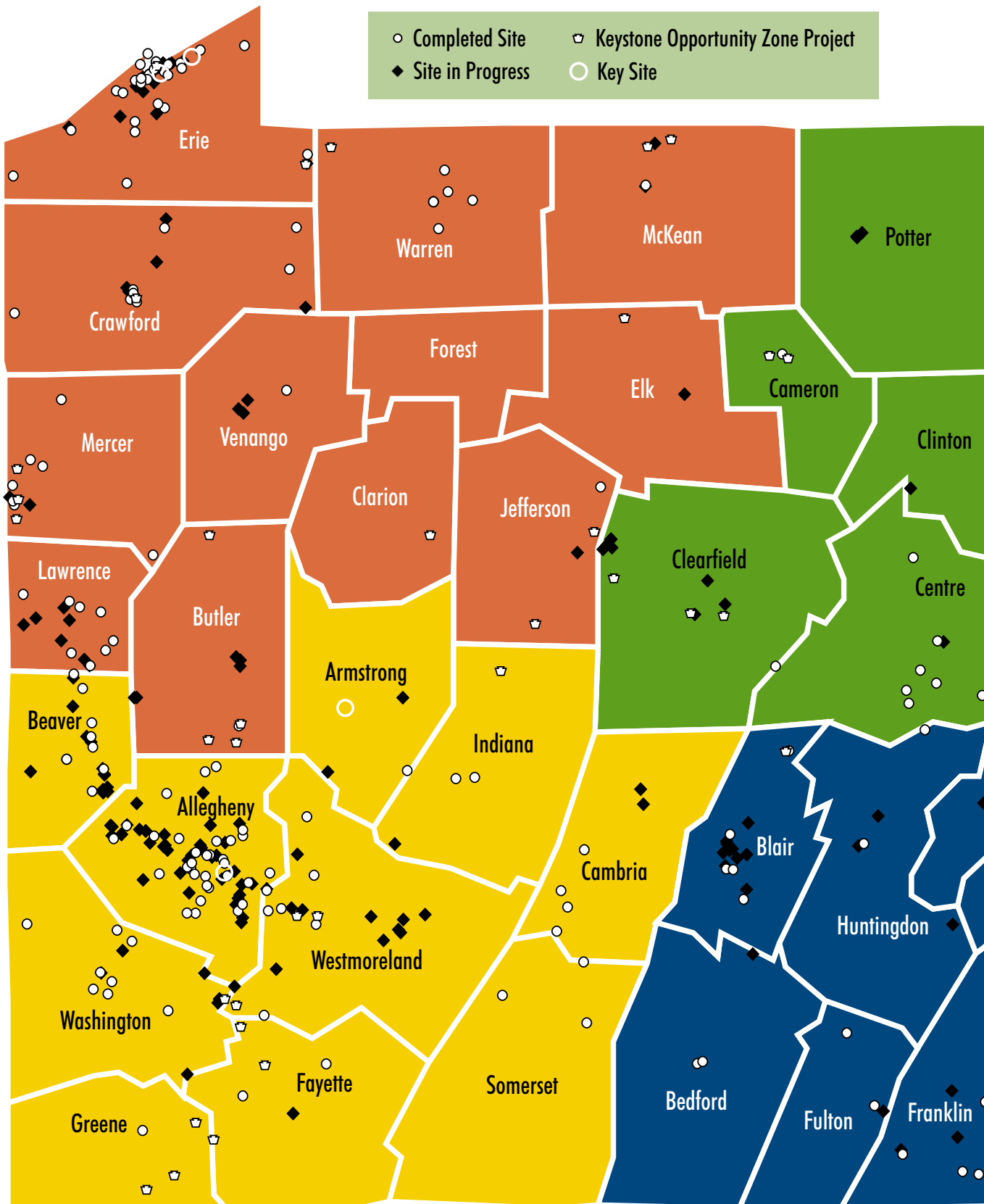
**\$650
million**

during the next five years

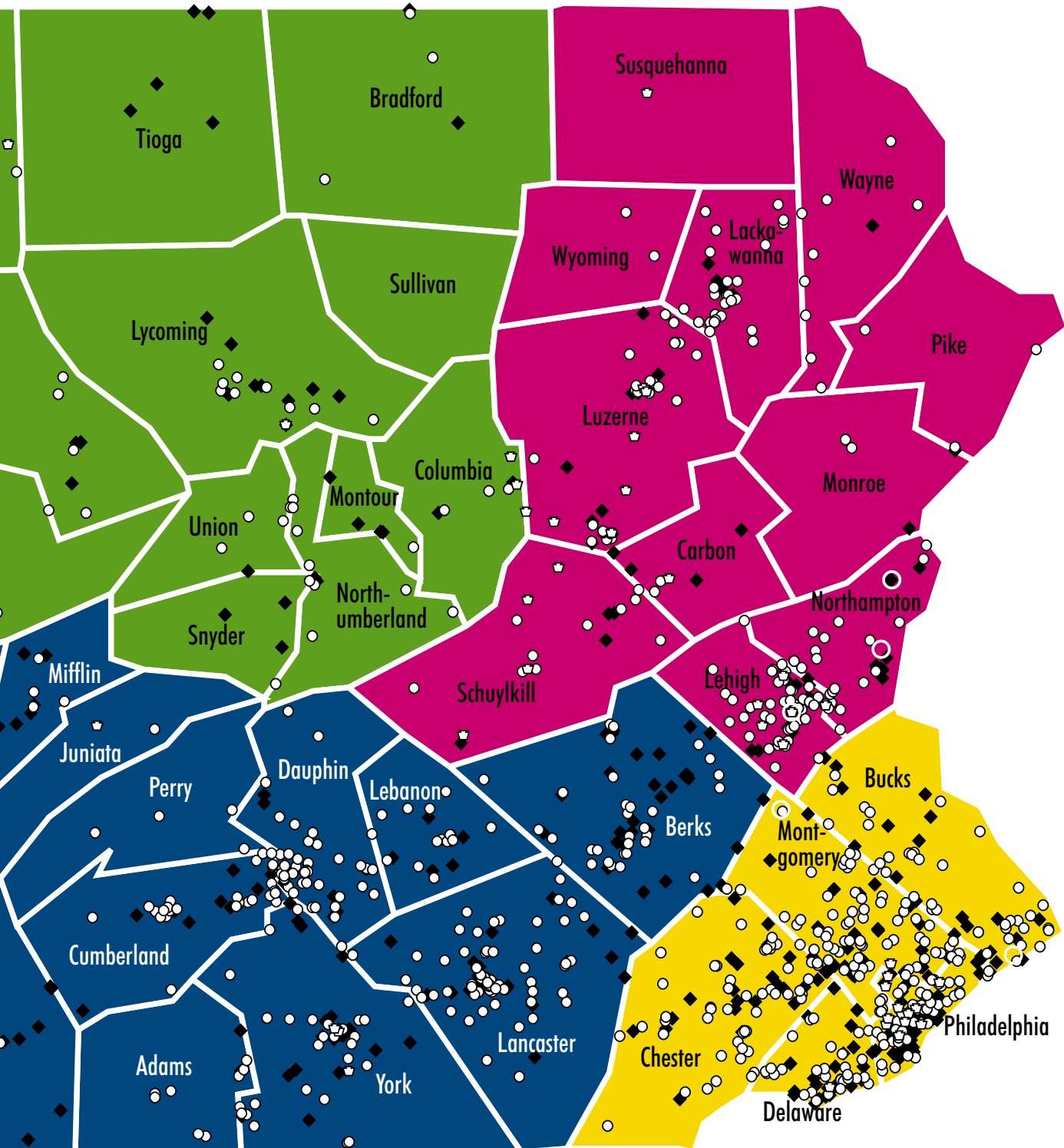


*Keystone State Park,
Westmoreland County*





Pennsylvania's Land Recycling Program Sites July 1995–June 2000



Southeast Regional Showcase

Tower Bridge Project

Land Recycling Program Brings New Life and Business to Irontown

Economic renewal and business revitalization stemming from industrial redevelopment casts a new light on the towns of Conshohocken and West Conshohocken, Montgomery County, in Southeast Pennsylvania. More than \$250 million in redevelopment has been invested in this area, resulting in one of the nation's most successful transformations from a former mill town to a modern center of office, retail, hotel, conference and other business services.

The Early Days

Established in 1683 by William Penn, the Conshohockens became the towns that grew on the banks of the Schuylkill River. Location was, and still is, the principle attraction to the towns. The Schuylkill River connected the town to Philadelphia; the Schuylkill canal connected to the coalfields of Schuylkill County; Philadelphia, Germantown and Norristown railroads connected to the region; and the area's first turnpike also neighbored the towns.

With the transportation infrastructure in place, industrialization came to the Conshohockens. Steel mills, ironwork and manufacturing became the way of life in the 1800s. The towns swelled with immigrants and industries grew. The Conshohockens became known as *Irontown*.

Industrialization continued into the 1900s, but slowly evaporated as the century progressed. As businesses shut down operations, nearly 5,000 jobs were lost in the Conshohockens. By 1985, the area was deemed as blighted.

On the Road to Revitalization

Looking to provide the area with some relief, Pennsylvania declared the Conshohockens an Enterprise Zone in 1987, providing a multitude of financial incentives to local firms and those considering relocation within the designated area; a comeback was on the horizon. Falling back on their strongest attribute, location, the Conshohockens began a renaissance unlike any other.



Site banners in downtown Conshohocken proudly promote future office space at the Tower Bridge buildings.

More than \$250 million in redevelopment has been invested in this area, resulting in one of the nation's most successful transformations from a former mill town to a modern center of office, retail, hotel, conference and other business services.

Pennsylvania’s Land Recycling Program has been in the forefront of this transformation effort. The program has provided Conshohocken industrial sites with uniform cleanup standards and financial assistance through the Industrial Sites Cleanup Fund for economically depressed areas. Also, the Land Recycling Program’s release from liability has allowed more businesses and lending institutions to participate in the remediation and redevelopment process without hesitation.

Tower Bridge Success

One of the most notable transformation successes in the Conshohockens is the \$400 million Tower Bridge project, a 2.5 million-square-foot office, commercial and retail riverfront complex planned by the Oliver Tyrone Pulver Corporation. This nine-building Tower Bridge project has witnessed the construction and business occupation of two Tower Bridge buildings and a \$37.5 million Marriott hotel, bringing business and economic development back to the Conshohockens.

“The redevelopment success story is a result of remarkable cooperation among federal, state, county and local governments, unions and private investors,” Oliver Tyrone Pulver Corporation President Don Pulver said.

The Keating Development Company continues progress on the Tower Bridge project with the cleanup of contaminated soil and groundwater, and land development for the 5 Tower Bridge building. In addition to the property developer, integral players in the redevelopment effort include environmental consultant Keating Environmental Management Inc., the Borough Council of Conshohocken, the Montgomery County Redevelopment Authority and regional DEP staff.

Substantial interaction and input from the Borough of Conshohocken and its citizens helped shape the remediation and future use of the property. The Land Recycling Program offered uniform, well-defined cleanup standards. The accessibility of DEP staff, coupled with their timely review of submitted reports and other materials, enhanced the efficiency and predictability of the successful outcome of the redevelopment project, according to the site developer and consultant.

With assistance and cooperation from the property developer, Conshohocken Borough Council, the Montgomery County Redevelopment Authority and DEP, this riverfront area is being recycled from a number of contiguous vacant industrial sites into a thriving business center. Already, two Class A office buildings, each about 300,000 square feet, are in use, along with a 925-car parking garage. More than 1,000 people work in these buildings, bringing economic opportunities back to the Conshohockens. Future redevelopment plans call for additional office buildings and new jobs — turning an old *Irontown* into a modern business community.



Occupants of 5 Tower Bridge will enjoy a scenic view of the Schuylkill River.

Northcentral Regional Showcase

Andritz, Inc.

Land Recycling Program Saves Remediation Dollars and Local Jobs

Since the turn of the century, Andritz, Inc. has been known for fuel oil, air tank and steel manufacturing, as well as for its machine and milling operations. Headquartered in Muncy, Lycoming County, the plant changed ownership throughout the years, but always has been key to the Muncy economy. With about 420 employees, Andritz, Inc., is the largest employer in the 2,500-resident area.

As the years of industrial activity progressed, so did site contamination from pollutants like oil, solvents, metals and gasoline. Andritz, Inc., worked with an environmental consultant and DEP to clean up and refurbish the site, taking advantage of the financial and technical assistance benefits of the Land Recycling Program.

Original cost estimates for the remediation of the property, without the use of the Land Recycling Program, approached \$20 million. Conducting the remediation under the Land Recycling Program using cleanup measures for the site-specific standard, Andritz saved 50–60 percent of its costs, while maintaining operation, during the past five years. If the Land Recycling Program had not been in place five years ago, Andritz may have chosen to relocate, despite its more than 100-year history in Muncy. Not only did the Land Recycling Program save Andritz remediation costs, but it also saved the town from losing its main source of employment.

Remediation efforts identified areas of environmental concern in the die cell, former drum and underground storage tank locations, which contributed to soil and groundwater contamination. Andritz worked collaboratively with an environmental engineer and DEP staff to implement the Land Recycling process. As part of



More than 420 local citizens will keep their jobs thanks to efforts led by Dennis Shulick, Andritz, Inc.; Jefferey Bower, Andritz, Inc.; and Randy Farmerie, DEP; and others.

If the Land Recycling Program had not been in place five years ago, Andritz may have chosen to relocate, despite its more than 100-year history in Muncy, Pa.

the cleanup efforts, one of the buildings was demolished, and about 600 truckloads of contaminated soil were excavated and removed from the former drum and tank storage areas. In a proactive measure, Andritz also extended public water to nearby residences, eliminating any potential exposure to contaminated groundwater.

“These guys [DEP staff] are excellent to work with,” Andritz Facilities Environmental Engineer Jeff Bower said, applauding the continuity of DEP staff as they worked together while the Land Recycling Program matured.

The land remediation and refurbishment brought Andritz a new, state-of-the-art and environmentally sound building. By taking advantage of the Land Recycling Program, Andritz maintained a win-win working environment for itself and the citizens of Muncy.

*“These guys
[DEP staff] are
excellent
to work with.”*

—Andritz Facilities Environmental Engineer Jeff Bower

Remediation under the Land Recycling Program saved Andritz, Inc. 50–60 percent of its costs.



Northeast Regional Showcase

BRW Realty, Inc., Site

Key Sites Initiative Fosters Environmental Partnership with Local Municipalities

Thanks to the Land Recycling Program's Key Sites Initiative, DEP and its state contractors have fostered partnerships with local economic development organizations, local government and private investors to develop and execute site assessment and remediation plans for the BRW Realty, Inc., site in Bangor, Northampton County.

Originally home to textile manufacturing, and dyeing and finishing operations, from 1941 to 1986, this three-acre site was abandoned and taken over by Northampton County. The property included several deteriorated, fire-damaged buildings, creating an eyesore for the surrounding community.

Funding for this remediation project was available by Key Sites Initiative and Industrial Site Reuse monies, through a grant to Northampton County. The Key Sites Initiative is designed to use state-funded contractors to conduct environmental site assessments and draft work plans to encourage and facilitate voluntary cleanup of abandoned industrial properties in prime locations.

Environmental assessments identified potential problem areas including: leaking underground fuel tanks, transformer areas, dye pits and sumps, and wastewater discharge points that may have impacted soil, groundwater or creek sediments.

Under the Land Recycling Program, remediation activities included removal of the decaying buildings, excavation and removal of contaminated soil, and removal of contaminated transformers and underground storage tanks. These cleanup activities not only promoted general public health and safety in the community, but also opened the door to productive reuse of the land.

BRW Realty, Inc., acquired the property from Northampton County in May 1999. Due to collaborative efforts among Northampton County; BRW Realty, Inc.; Bangor Borough; Lehigh Valley Economic Development Corporation; Lehigh Valley Land Recycling Initiative; and DEP, the site is on its way to redevelopment and community use.

*“Without DEP’s
Land Recycling
Program, this
project never would
have happened.”*

*—BRW Realty, Inc. President
Steve Skrapits*

“Without DEP’s Land Recycling Program, this project never would have happened,” BRW Realty, Inc., President Steve Skrapits said. Without the DEP site assessment work and the clarification of the risks and cleanup responsibilities, BRW Realty, Inc., would not have acquired the property for redevelopment, according to Skrapits.



Site redevelopment is fueled by the collaborative efforts of Jim Kunkle, DEP; Ron Schock, DEP; Rick Weaver, Washington Twp. Zoning and Codes; Steve Skrapits, BRW Realty, Inc./Penmar Systems; Kurt Krouse, Bangor Borough Zoning and Codes; Bonnie LaBar, Bangor Borough; Ron LaBar, Bangor Fire Department; Tom Shaughnessy, Lehigh Valley Economic Development Corporation; Edward Fischler, Bangor; and Bill Ablert, Matusky & Skelly Engineers.

Workers reclaim the former manufacturing site and prepare it for future development.

Funding Incentives Make Land Redevelopment Attractive to Land Owners and Buyers

The Land Recycling Program offers a variety of incentives and funding programs to attract interest in redevelopment and future growth of old industrial sites. DCED’s Industrial Sites Reuse Program (ISRP) and its Keystone Opportunity Zones initiative (KOZ), coupled with DEP’s technical remediation assistance, offer the right combination of financial assistance and remediation guidance to promote old site redevelopment and attract new business.

The ISRP makes more than \$2 million in industrial site cleanup funding available for 10 revitalization projects in six counties across Pennsylvania, including Mercer County in northwest Pennsylvania. Similarly, once sites located in economically depressed urban and rural areas have been remediated, the KOZ initiative offers a no tax incentive to new businesses interested in developing these newly remediated sites as a means of encouraging revitalization of underutilized areas.



Southcentral Regional Showcase

GEESI-Lebanon Site

Teamwork in Remediation and Redevelopment Attract New Business

“Only through the effective function of a team effort could such a mutually beneficial redevelopment plan for the facility [GEESI-Lebanon site] be realized,” GE Power Systems President and Treasurer Dave Emmons said. “These efforts have benefited all involved parties, the community and the environment. It’s a textbook win-win.”

The team responsible for the redevelopment of nine acres of the GEESI-Lebanon site included representatives from GEESI; GE-Power Systems; Lebanon County Housing and Redevelopment Authority; City of Lebanon; Groundwater & Environmental Services, Inc. (GES); MARCOR Remediation, Inc.; DEP; Terex; and additional parties interested in property occupation.

Early Industrial Years

The GEESI-Lebanon facility has strongly served industry and the local Lebanon community for more than a century. During the first half of the 1900s, facility operations included a boiler manufacturer that fabricated massive whistling buoys for the U.S. Coast Guard. The facility also was used for textile knitting mills.

In 1962, operations shifted toward the design and manufacture of various types of air pollution control equipment. With the onset of more stringent air quality regulations in the 1970s, the GEESI-Lebanon facility was recognized as a world leader in the manufacture and distribution of air pollution control equipment like smoke stack scrubbers, precipitators, filters and others.

In 1981, the facility was sold to GEESI, a subsidiary within the General Electric Company. GEESI continued to use the facility for the design and manufacture of pollution control equipment.

“It [the collaborative redevelopment effort] is a textbook win-win.”

— GE Power Systems President and Treasurer Dave Emmons

Stanley Stoner, Terex, performs quality control on a trommel screen used to separate stone or gravel by size.



*New machinery compliments
the refurbished facility.*



Redevelopment partners: Steve Shank, DEP; Jerry Warlow, Terex; Rick Berger, GE; Stephen Brower, Groundwater & Environmental Services; Davie Emmons, GE Environmental Systems; Gerry Farmer, Terex; Edward Jamison, GE Power Systems; and Jack Wise, MARCOR of Pennsylvania, Inc.

Remediation Work

Remediation efforts began while GEESI occupied the site. In the 1990s, GEESI removed a number of historically used underground storage tanks, excavated and disposed petroleum and PCB impacted soils offsite, and treated groundwater.

GEESI worked closely with DEP, under the Land Recycling Program, to conduct environmental investigations of different land parcels, depending on the parcels' historic use, on-site features and other site factors. Twelve hundred tons of impacted soil were removed to achieve the statewide health standard. GEESI funded and voluntarily performed all remedial efforts.

“The Pennsylvania DEP Land Recycling Program provides an excellent mechanism for a remediator to evaluate and fulfill their obligations to secure liability relief and eliminate the uncertainty associated with the less refined cleanup programs,” Emmons said.

Community Partnership

GEESI also worked with the community to develop an appropriate redevelopment plan. One cornerstone of GEESI's redevelopment plan was to refurbish and remove, rather than demolish the facility infrastructure. All five building structures, some dating back to the 1920s, were refurbished and retained, providing a more marketable and better-equipped manufacturing facility for the new occupant.

“GE is proud to be participating in the redevelopment of this property,” GE Power Systems Environmental Health Safety General Manager Richard Lubert said. “We believe that as a good corporate citizen, renovating the land and buildings for reuse was in the best interest of all parties involved. The redevelopment team establishes an excellent model that can be used in other locations.”

Collaborating with GEESI and DEP, other community partners contributed their time and expertise to redevelop the site. GE Power Systems personnel provided technical assistance, guidance and oversight. Fulfilling the primary environmental consultant role, GES oversaw environmental activities, in accordance with the project plans, regulations, guidelines and policy. MARCOR performed facility assessment, clean up, and soil removal and disposal, under the direction of GEESI. The Lebanon County Housing and Redevelopment Authority provided creative insight and expertise to facilitate swift reuse and transfer of site occupancy. The City of Lebanon volunteered resources and support to maintain strong and open community relations.

The success of this collaborative redevelopment effort is evident in the reuse of the land and the satisfaction of the new occupant. “We are delighted with the site,” General Manager of Royer/Re-Tech, a Division of Terex Corporation, Gerry Farmer said. “The facility provides Terex with a premium location within close proximity of a highly skilled workforce. This site meets our growth needs and future plans. Terex would like to acknowledge the efforts of both GE and DEP for making this property commercially attractive.”

Northwest Regional Showcase

Henry Evans Industrial Park Site

Community Collaboration and Financial Incentives Make Industrial Site Redevelopment Hard to Resist

Pennsylvania's Land Recycling Program has helped turn an idle industrial steel site into a thriving industrial park once again, by promoting the right mix of community development collaboration and redevelopment funding opportunities. The new Henry Evans Industrial Park, named after a local industrial leader, is now home to Sharon Tube and AIM National Lease, occupying 21 acres of remediated land of the total 1,000-acre site.

Community Group Involvement

The site, originally owned by Sharon Steel, changed hands many times throughout the years. Once owned by the City of Farrell, an environmental audit uncovered soil and groundwater contamination at the site. Familiar with DEP's Land Recycling Program, the Shenango Valley Industrial Development Corporation (SVIDC) became interested in cleaning up and redeveloping the property.

Taking advantage of the Department of Community and Economic Development's (DCED) Industrial Sites Reuse Program funding opportunities for site assessment and remediation activities, the SVIDC purchased the land and began remediation efforts with technical assistance from DEP. Also, with the help of state funding, the SVIDC conducted environmental assessment and cleanup activities, built a road into the new industrial park and constructed utility access.

Once the industrial park area was refurbished, the Sharon Tube Company, which has facilities in the nearby town of Sharon, contemplated facility expansion on the remediated site. Sharon Tube was deciding between the Henry Evans site and another location in Toledo, Ohio, where the company is headquartered.



Pat Smith, Sharon Tube, checks tubes released on the drawbench for cooling, after entering the annealing furnace.



Financial incentives drove redevelopment efforts at Henry Evans Industrial Park, the new home of Sharon Tube and AIM National Lease.

“We [Sharon Tube] wouldn’t be here unless this was a designated brownfield site.”

— Sharon Tube President and CEO Lee Hooper

Redevelopment — The Right Choice

“Our company was land-locked in Sharon, and we needed room for expansion,” Sharon Tube President and CEO Lee Hooper said. “Expanding our facilities on this site came about because different organizations, like Sharon Tube, the SVIDC and DEP, worked together to make it happen.”

“We [Sharon Tube] wouldn’t be here unless this was a designated brownfield site,” Hooper continued. “The community collaboration, and remediation opportunities and incentives offered under the Land Recycling Program make this site ideal for us and for what it’s intended to do.”

Sharon Tube purchased the site and began property development and construction, independent of state funding. All new construction was funded by private investors — totaling \$30 million. When Sharon Tube purchased the site, the company worked with the local community to qualify as a Keystone Opportunity Zone under the Land Recycling Program, further helping remediation efforts. The site now houses a facility for Sharon Tube and AIM National Lease, a truck maintenance facility. With 400 employees, Sharon Tube is looking into purchasing additional land on the site, thanks to the success the company has had under the Land Recycling Program.

Hats off to the team that kept Sharon Tube in town. Lee Hooper, Sharon Tube; John Fair, SVIDC; Paul O’Brien, O’Brien Construction Co.; Craig Lobins, DEP; John Holliday, SVIDC; and William Perrine, Sharon Tube.

Collaboration Makes the Difference

The SVIDC points to the combined efforts of DEP, DCED and the City of Farrell, which helped make this site a success story. DEP provided the focus needed for the SVIDC to secure Land Recycling Program cleanup standard clearance, while DCED provided the funds to redevelop the land. These various organizations worked together so effectively that the positive economic trend for industrial redevelopment is forecasted to continue far into the future.

“The SVIDC believes that without the assistance and caring for economic development in our area by DEP in assisting us with this project and taking us through it step by step, new businesses would not be here today,” SVIDC Executive Director John Holliday said. “The success was truly a team effort.”



Southwest Regional Showcase

The Johnstown Corporation Site

Redevelopment Partnership and Land Remediation Bring a New Face to Johnstown

Johnstown, Cambria County, welcomed the new century with a host of redevelopment projects that are bringing a fresh look to the community and creating economic development opportunities. One of these projects is the remediation and redevelopment of the Johnstown Corporation's steel foundry plant, under Pennsylvania's Land Recycling Program.

This 100-year old foundry located on 68-acres along the banks of the Stonycreek River found itself in bankruptcy in 1996, as a result of the steel industry's decay and aging technology. The shutdown of industrial plants and businesses in Johnstown left the city in poor economic condition. The Commonwealth declared Johnstown a financially distressed city in the early 1990s.

Partnership Helps Redevelopment

On a mission to bring life and prosperity back to Johnstown, a team of community, government and business organizations joined together to improve the future of the city. This team, composed of the Redevelopment Authority; City of Johnstown; Johnstown Area Regional Industries; Greater Johnstown Committee; the Renaissance Partnership; and the Pennsylvania Department of Community and Economic Development (DCED), worked hand-in-hand with the site's new owner, HIG Capital, DEP and project engineers from Environmental Science and Engineering Inc., to assess and remediate the city's old steel foundry.

DCED awarded a \$20,000 grant to the Redevelopment Authority to conduct a baseline environmental investigation of the site. Similarly, through the Land Recycling Program, the site qualified for low-interest loans and state funding to assist with remediation efforts. As a

Retail and industrial tenants have added \$19 million of private investment into the community.



Larry Ward, Johnstown Corporation, reviews a blueprint with land recycling partners Brian FitzPatrick, Environmental Science & Engineering; Deborah Walter, Johnstown Redevelopment Authority; Ronald Repak, Johnstown Redevelopment Authority; Richard Tuscillo, City of Johnstown CED; and Tom Buchan, DEP.



DEP Keystone Opportunity Zone, a designation which encourages redevelopment in distressed areas, the site owner received the additional incentive of no taxes on land development for 10 years. “HIG Capital was surprised to discover that it could get funding for remediation activities and liability relief from the Land Recycling Program — the program’s benefits are opening land owners’ eyes to the positive impact of industrial site redevelopment,” Brian FitzPatrick, who headed the remediation project for Environmental Science Engineering, said.

With the help of state funding, the Johnstown Corporation was responsible for 20 percent of the remediation cost. “The funding opportunities under the Land Recycling Program saved us a lot of money in the environmental work needed to get this facility running again,” Larry Ward, who heads operations at the Johnstown Corporation, said.

Cleanup Work

Project engineers from Environmental Science Engineering Inc., identified 17 areas of environmental concern and conducted cleanup activities to remove soil

and groundwater contamination. DEP approved the site’s final report in October 1998, but the approval did not include the site’s fuel oil distribution area. Project engineers detected an oily sheen from pipe discharge in the nearby Stonycreek River. With guidance from DEP, the engineers re-routed water that originally flowed from the discharge pipe to correct the problem. DEP granted the site approval using the statewide health cleanup standard, after a second round of soil sampling established no contamination. “DEP did a great job in getting the reviews done and in ironing-out issues that could have delayed or ruined the project,” FitzPatrick said.

The remediation of the Johnstown Corporation site established a safer, cleaner environment for the surrounding community and helped create economic development opportunities for citizens in Southwest Pennsylvania.

Building Business

Through the Land Recycling Program, the Johnstown Corporation has conveyed outlying parcels to other business and industry, including OMG America, Korns Galvanizing, Gap-Vax and Rite Aid, that will result in \$19 million of private investment in the community. Adding to the quality of life and community rebirth, the Redevelopment Authority plans for an urban trail, a greenway for walking and biking to link the James E. Mayer Trail to the Johnstown Corporation site.

Forming partnerships around Pennsylvania’s Land Recycling Program has made the Johnstown Corporation site a perfect example of how industrial reuse can help change the face of a community.



William Urbasic, Johnstown Corporation, finishes a sleeve used to roll steel. Steel rolling sleeves are among the products manufactured at the Johnstown Corporation.

Related Program Successes

Multi-Site Agreements

Pennsylvania's Multi-Site Agreements (MSAs) expand the Land Recycling Program process to help organizations owning more than one contaminated site or brownfield property in Pennsylvania to remediate their land in an efficient and financially sensible manner. Instead of remediating one property at a time, MSAs use the same model/approach to remediate multiple properties under one plan.

Many of these properties have a long history of ownership contributing to environmental contamination, obligating current owners to clean up the properties. These situations can present multi-site owners with the threat of liability and, in some cases, the potential for extremely high and unplanned cleanup costs.

By entering into a voluntary MSA with DEP, organizations can approach site cleanup systematically and proactively — assessing, ranking and pursuing remediations in a manner that makes sense for their bottom line and the environment.

“Multi-Site Agreements are the most efficient means for a property owner to address contamination at multiple sites,” Deputy Secretary Denise Chamberlain said. “By providing a flexible framework to assess properties, the owner may prioritize sites by risk and provide for a cleaner, safer environment in a cost-effective and timely manner. All of this can occur while continuing to supply the owner with uniform cleanup standards and relief from liability.”

Similar to Land Recycling Program benefits, MSAs offer standard cleanup guidelines, liability protection, environmental protection and end results that equal a positive financial outcome for partnering organizations.

Organizations work with DEP to establish and follow an agreed upon plan using DEP's clear, risk-based cleanup standards. By establishing predictable cleanup milestones and eliminating the risk of unexpected enforcement orders and costly lawsuits, MSAs reduce multi-site owners' liability. This liability relief allows organizations to direct their resources where they most need them — investments for their business, instead of legal fees and penalties.

In addition, remediation efforts under MSAs are final, giving confidence to organizations that future regulations or community pressures will not create costly surprises.



Redevelopment efforts at the Philadelphia Naval Complex, former Naval Shipyard, have resulted in about 31 new companies and 4,000 employees on site.

By following the plan in an approved MSA, organizations can structure cleanup costs over several years and plan expenditures over time. This planned approach allows them to control costs by predicting staff and financial resources. Offering financial benefits, MSA remediation efforts create new opportunities for economic development as site reuse leads to job creation and future business growth in Pennsylvania.

The cleanup work conducted under MSAs also helps enhance public health and environmental protection throughout the Commonwealth, creating healthier and safer communities.

DEP continues to solicit voluntary agreements with organizations owning multiple sites in Pennsylvania interested in a cooperative relationship with DEP, based on a predictable, financially sound, results-oriented process.

U.S. Army, Air Force, Navy and Defense Logistics Agency CMSA

The Cooperative Multi-Site Agreement (CMSA) between DEP and the U.S. Army, Air Force, Navy and Defense Logistics Agency is the first of its kind in the country. Through this agreement, signed July 17, 1998, at Willow Grove Naval Air Station, DEP and the military agreed to evaluate and clean up all contaminated military sites in Pennsylvania. The cooperative effort will assess and eliminate environmental and public health risks at more than 1,000 military sites in Pennsylvania over the next 12 years — 10 years earlier than the military originally planned. This collaborative effort will accelerate the rate and decrease the cost of remediating these military installations.

CMSA's flexibility is reflected in the cleanup of the Freemansburg USMA Range in Freemansburg, Northampton County. The site was originally scheduled for assessment and remediation in 2003. Using the CMSA, DEP and the military accelerated the cleanup timeline by four years due to prospective tenant interest in the site. Thanks to efforts under the Lehigh Valley Land Recycling Initiative and the CMSA, a tire distributor now occupies the property.

By striking a ground-breaking Multi-Site Agreement, DEP and the military are leading the way in open, voluntary partnerships that incorporate flexibility into

Innovative Technology Assists Land Remediation

As part of the CMSA, the military is using innovative technologies to clean up Pennsylvania's military sites. The type of technology used varies with each site and its specific cleanup activities. Some examples include:

Philadelphia Naval Shipyard site: The Navy, EPA and the Conshohocken Region agreed to use an innovative risk assessment using risk ratio in the cleanup process. Additionally, the Navy used a site characterization and analysis penetrometer system SCAPS technology — a mobile, self-contained, soil-penetrating device connected to a mass spectrometer to delineate possible contaminated areas on the base and to map the extent of a possible BTEX plume. This unit allowed the Navy to delineate the entire area in a fraction of the time of conventional well-drilling methods and also permitted rough quantification of the vertical and horizontal extent of contamination layers.

Warminster NAWC site: The Navy completed seismic imaging at this site for two- and three-dimensional pictures of groundwater and soil layers.

Harrisburg International Airport/Air National Guard site: The Air National Guard has approved and is testing an innovative technology pilot test, solvated electron dechlorination of PCB-contaminated soils. This technology uses a mixture of anhydrous ammonia and liquid sodium to chemically breakdown and neutralize chlorinated solvents and PCBs to form non-hazardous compounds. This demonstration technology has been operational since early July 2000, and has successfully treated many cubic yards of contaminated soils during test runs in the reactor vessel.

Other sites under the CMSA also have explored innovative technology cleanup activities. Where these technologies have been feasible, successful and cost-effective, they have been applied. DEP and the military strive for technologies that will allow more accurate site characterizations and a more precise delineation of contaminants. The successful implementation of these technologies has saved time and money, and maintained environmental integrity.

environmental cleanups. DEP and the military are realizing environmentally sound and cost-effective site cleanups by setting standards for remediation instead of mandating procedures.

The CMSA serves as a national model for the military's reengineered cleanup initiative and is being integrated into the National Military Strategy. In fact, the CMSA is such a powerful environmental management tool that the U.S. Department of Defense has adopted the process as one of its top 10 priorities for implementation nationwide.

In addition, DEP is proud that the CMSA has garnered interest across the country by other states eager

to replicate DEP's model agreement with the military. While some states pursue CMSAs with the military, Pennsylvania remains the only state with a fully executed agreement.

For more information on the Cooperative Multi-Site Agreement process followed by DEP and the military, look for an upcoming annual report disseminated through DEP showcasing this agreement.

Penn Fuel Gas, Inc. MSA

The sites outlined in this agreement, executed in March 1996, are former manufactured gas plants (MPG) which processed coal to produce gas for lighting and heating. Environmental assessment work has started at all 20 facilities in the agreement with Penn Fuel Gas Inc., and North Penn Gas Company, owned by Penn Fuel Gas. Pennsylvania Power and Light Electric Utilities Corporation (PPL) acquired Penn Fuel Gas in 1997, while the multi-site agreement was underway. Honoring the agreement, PPL has assessed three facilities, and about 5,000 tons of contaminated soil have been removed to prepare the properties for reuse. The agreement also covers the plugging of about 340 abandoned gas wells. As of August 2000, about 100 wells have been plugged.

One property, located in Lewisburg, Union County, will likely be turned over to the local municipality for use as a small riverfront park. At another site, the Borough of Shippensburg, Cumberland County, acquired a property adjacent to a former MGP, not recognizing the former use of the property.

Upon PPL's assessment of its own property, it realized that tar storage and tar separators existed on the borough's property. PPL offered to clean the property to statewide health standards as well as restore an on-site wetland. About 3,000 tons of contaminated soil were removed from the facility. Restoration efforts are not completed, but a portion of the property is refurbished through the Shippensburg Little League for

use as a community athletic field where local youth play Little League baseball and softball.

PPL Electric Utilities Corporation (PPL) MSA

This MSA has been successful for PPL, since the agreement was finalized in 1995. The MSA outlines more than 178 sites to be assessed, and remediated if necessary. The agreement has accelerated the assessment and cleanup schedules for the various sites including power poles, electrical substations, MPGs and formerly used power-generating stations. As of the date of this report, 72 of the 178 sites have been remediated.

“Our multi-site agreement has proven to be a good business decision,” PPL Senior Environmental Engineer Craig Shamory said. “With our multi-year plan, we can better forecast resource requirements and cost effectively reduce the environmental liability associated with our sites. This kind of planned approach facilitates partnerships with local communities, that directly benefit from our land recycling activities and find new and innovative uses for the reclaimed sites.”

Thanks to land recycling efforts under the Penn Fuel Gas, Inc. MSA, Tyler Sherman and Michael Dunsmore compete in a baseball game on a remediated athletic field in Shippensburg, Cumberland County.



Related Program Successes

Buyer/Seller Agreements

Entering into a purchase agreement of a former industrial site may raise uncertainty for potential buyers. Liability for prior use and contamination may hinder the process. Buyer/Seller Agreements facilitated by DEP minimize the risks.

Buyer/Seller Agreements offer a solution to buyers who are not responsible for contaminating the properties of interest. In these cases, sellers agree to clean up sites in order to sell the land. Once sites are assessed and remediated according to Land Recycling Program standards, sellers receive relief from liability. This relief is transferred to buyers, thereby freeing the new landowners of former contamination and cleanup obligations. DEP usually acts as a third party in these agreements and extends written relief to buyers early with a covenant not to sue, and frees new landowners from liability from any previously documented site contamination.

Lenders also receive assurances from Buyer/Seller Agreements.

Buyer/Seller Agreements offer flexibility to both parties. The agreements allow properties to be transferred to buyers prior to remediation completion. DEP uses environmental assessment reports to help parties clearly understand the nature and extent of the site contamination. Sellers establish a plan for remediation according to one or more Land Recycling Program cleanup standards. Deadlines are set according to the guidelines offered by the Land Recycling Program.

Lenders also receive assurances from Buyer/Seller Agreements. The assessment and remediation plan provides certainty to the terms of the transaction. Lenders understand that early protection is provided to the buyer, and also are assured the cleanup will occur according to a certain time schedule.

During July 1999–June 2000, 10 new Buyer/Seller Agreements were signed, bringing the grand total of signed agreements to 65. The Buyer/Seller Agreements are quickly negotiated, in contrast to the time necessary to negotiate an EPA Prospective Purchaser Agreement. The total of EPA Prospective Purchaser Agreements executed in Pennsylvania represent 20 percent of the national total of Prospective Purchaser Agreements signed by EPA.

Buyer/Seller Agreements allow properties to be transferred to buyers prior to remediation completion.

Related Program Successes

Key Sites Initiative

Pennsylvania's rich industrial history has left many communities with scars from the past. A unique partnership has been forged to target key communities in need of an economic boost — the Key Sites Initiative.

The Key Sites Initiative coordinates the knowledge and resources from the Land Recycling Program, the Hazardous Sites Cleanup Program, the Department of Community and Economic Development (DCED), and local economic development agencies. A community may leverage the Key Sites Initiative to recycle sites with the greatest potential for reuse in their area.

In 1998, DEP, along with local economic development agencies, established four main criteria for qualifying eligible projects. The four criteria are:

- Sites with an environmental threat;
- Sites where investors have expressed interest, but are concerned about unknown liabilities;
- Sites with a prospective occupant willing to share the cost of cleanup; and
- Sites owned (or with potential ownership) by an economic development agency.

Once a site is approved for assistance, the Hazardous Sites Cleanup Act (HSCA) assigns state-funded contractors to conduct environmental site assessments. A HSCA contractor then prepares a work plan using the standards prescribed by the Land Recycling Program. As a result, uncertainty from the threat of site contamination is minimized and the cost of remediation is clearly defined. The site assessment and work plan facilitate the voluntary cleanup of these abandoned industrial properties in prime locations.

The Key Sites Initiative complements the Industrial Sites Reuse Program (ISRP) administered by DCED. This grant and low-interest loan program offers aid to municipal and local authorities, non-profit economic development agencies and similar organizations interested in conducting environmental assessments of industrial sites located in distressed areas.

Any community wishing to apply for Key Sites Initiative assistance needs to submit a Letter of Intent to DCED requesting consideration as a Key Sites project. The following communities are part of the program:



*A community
may leverage
the Key Sites
Initiative to recycle
sites with
the greatest
potential for
reuse in
their area.*

Allegheny County — Swissvale Auto Surplus Parts
Southwest Region

The Swissvale Auto Surplus Parts site is located in a residential/light industrial setting in Swissvale. A cement block building centered on the property contained metal scrap and debris remaining from a metal recycling facility that was in operation, from the 1940s until 1984. Oils containing PCBs were burned in an on-site incinerator to produce heat for the buildings. EPA conducted an emergency action that included removing the most highly contaminated soil, drumming PCB waste and the incinerator building. At the end of the emergency action, EPA left the lingering scrap and debris containing PCBs in the remaining building. The site was abandoned, burdening the local community.

DEP conducted a prompt interim response to remove the PCB contaminated building, its contents and contaminated soil. The response was completed in December 1999, at a cost of about \$600,000. DEP entered into an agreement with the potential responsible parties who contributed about \$118,700 as their share of the cleanup costs. The residential statewide health standard was attained in February 2000, and the site is slated to be part of the Allegheny County Port Authority's east busway.

Armstrong County — AMCO
Southwest Region

This Key Site consists of a large industrial building and about seven acres of land along the Allegheny River. The facility was part of Pittsburgh Plate Glass's (PPG) Ford City No. 5 Works, until 1981. PPG transferred the property to the Middle Armstrong County Area Development Organization Inc. (MACADO), in December 1981. In this same month, MACADO leased the facility to AMCO, which operated a machine shop and foundry at the site for about six years, then filed for bankruptcy and abandoned the facility. The Borough of Ford City then signed a sales agreement with MACADO to acquire the property.

When AMCO abandoned the facility, several 55-gallon drums of lubricants, solvents, acids, and various sizes of containers of paints, coatings, epoxy and flammable liquid were found. Additionally, large machine floor sumps containing hazardous cutting oils were discovered. All of these hazardous substances posed a potential human health and environmental risk. DEP conducted a response under the Key Sites Initiative, beginning June 1998, and completed in August 1998. The response included a site characterization and disposal of all abandoned hazardous substances. The results of the site characterization showed that the property was not significantly contaminated.

The Greater Ford City Community Development Corporation is planning future development at the site. The cornerstone will be the Heritage and Technology Park, including the Industrial Heritage Museum. This is the first reclamation project to convert land to green-space along the Allegheny River in Armstrong County.



Ford City, Armstrong County, awaits a new multi-purpose complex along the Allegheny River.



Bucks County — Corell Steel

Southeast Region

The Corell Steel site is located in an Enterprise Zone in Bristol Township. Previously used for steel manufacturing, the Bucks County Redevelopment Authority is working with DEP to facilitate the reuse of the property. Waste slag and abandoned storage tanks remain on site. Groundwater below the site is reported to be contaminated with TCE. PCB-contaminated soils were identified and removed prior to DEP involvement. DEP initiated work on the property after the Redevelopment Authority acquired the title in December 1998.

DEP has conducted the fieldwork for a baseline remedial investigation and prepared a baseline environmental report for use by the Redevelopment Authority. The draft baseline environmental report was submitted to DEP in June 1999. The second round of groundwater sampling was performed in June 1999. The results revealed no significant contamination. Upon receiving clear title to the property, the Redevelopment Authority of Bucks County will implement a remedial plan for the site. The plan calls for demolition of some structures, and removal of USTs and associated contaminated soils. After completion, the county hopes to negotiate the sale of the property.

Erie County — Cohen/A-1 Auto

Northwest Region

This Key Site comprises about 32 acres of residential, industrial and undeveloped land in Erie. The site consists of a six-acre parcel that formerly operated as the A-1 Auto Body facility, a two-acre parcel known as the Gerald Cohen property, and other residential and undeveloped land. Illegal dumping of tires and debris continues to occur in the area of the proposed industrial park.

In spring 1999 DEP completed an investigation of the site on behalf of the Greater Erie Industrial Development Corporation, which is interested in redeveloping in the area. A Phase II sampling event in summer 1999 was contingent on the findings noted in the investigation and revealed the presence of two areas of lead contamination. One of these areas appears to correspond to an area where EPA had conducted removal activities from 1992–1995. EPA's activities included the removal and appropriate disposal

of contaminated soils, tires, asbestos-containing materials, hazardous wastes and hazardous materials. The Greater Erie Industrial Development Corporation has been provided with a copy of the site investigation report and will evaluate its plans for potential site redevelopment. The site is located in an enterprise zone.

Erie County — Erie Resistor

Northwest Region

The Erie Resistor site located in Erie is owned by Modern Industries. During the summer and fall 1998, DEP conducted a Phase I environmental assessment of the site. DEP's Office of Chief Counsel investigators conducted interviews of the former employees. The Phase I environmental assessment report was completed in November 1998. Because the report did not identify any serious environmental threats posed by the site to the workers, the public or the environment, DEP anticipates no further investigation or action is warranted at the site.

Lehigh County — Bridgeworks Industrial

Northeast Region

In the early 1900s, the Bridgeworks Industrial site located in Allentown, served as a brick factory and a PPL substation. Mack Trucks, Inc., purchased the property in 1929, and used the five-acre parcel as an employee parking lot. In 1988, the Allentown Economic Development Corporation (AEDC) purchased the site for redevelopment. The site soils are contaminated with naphthalene, benzene and metals. The groundwater is contaminated with naphthalene, benzene, ethylbenzene, xylenes and metals. The sources of these contaminants are unknown, but are being investigated. Numerous studies were conducted at this site, including a baseline soil characterization and a preliminary groundwater investigation, which was completed by an AEDC consultant. A comprehensive assessment to identify remediation requirements was conducted in March 1998. Work conducted included the installation of five monitoring wells. Transportation and disposal of the investigation-derived wastes took place in April 1999. A final baseline environmental report was issued in June 1999, followed by a Special Industrial Area consent decree negotiated with AEDC.

Montgomery County — Macoby Creek

Southeast Region

The Macoby Creek site, which is owned by Upper Hanover Township Industrial Development Authority, is located in Upper Hanover Township. Upper Hanover Township has expressed interest in acquiring the property. Although the site is located in a residential area, it has been used for industrial purposes since the 1950s. From the mid-1950s to mid-1980s, an electroplating company and a mechanical contractor used the site. A deteriorating building now occupies the property, which has been vacant since 1993.

Waste solvents and paint waste were left inside when operations ceased. A cement holding tank contains sediment high in metals, most notably, cadmium. Evidence of waste lagoons and contaminated soils exist. Solvent contamination is present in the groundwater at the site and in Macoby Creek downstream of the site. A UST also remains on site. DEP has completed two rounds of groundwater sampling since the site investigation began in January 1999. A third round of groundwater and surface water samples was conducted in March 2000. A request for contractual services was submitted and Baker Environmental contractor was assigned to complete the site characterization. Baker submitted a draft scope of services, work plan and cost proposal to which DEP provided comments in June 2000.

Northampton County — BRW Realty, Inc.

Northeast Region

The BRW Realty, Inc., site in Bangor Borough is an abandoned property owned by Northampton County where textile manufacturing, dyeing and finishing businesses operated from 1941 until 1986. Although the textile operations involved several other parcels and buildings, the site occupies about three acres of land. This property includes several deteriorated, fire-damaged buildings. A Phase I site assessment, in October 1996, found leaking underground fuel tanks, transformer areas, dye pits and sumps, and former wastewater discharge points that may have impacted soils, groundwater or creek sediments. The assessment report also identified suspect asbestos pipe insulation. The county hired a contractor under the Industrial Sites Reuse Program to perform a Phase II site assessment. This work was completed and a report submitted to DEP in August 1998. A supplemental report

was submitted in October 1998, for additional site assessment work. These reports describe and document the soil and groundwater contamination at the site. USTs remain at the site but cannot be removed until the building is demolished.

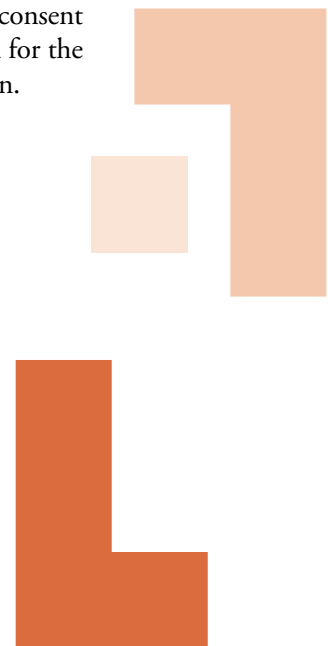
BRW Realty, Inc., acquired the property from Northampton County in May 1999, and submitted a Notice of Intent to Remediate that same month. A Special Industrial Area consent order and agreement between DEP and BRW Realty, Inc., is being negotiated. The BRW Realty, Inc., site is highlighted in this year's showcase sites.

Northampton County — Easton Roundhouse

Northeast Region

The Easton Roundhouse site is a three-acre vacant lot in Easton that was formerly occupied by a railroad roundhouse in which maintenance activities were conducted. In 1987, a fire destroyed the structure and now the site is covered by small trees, brush and a large amount of fill including concrete debris and timbers. Previous investigations at the site revealed the presence of petroleum contamination. A site investigation was conducted and a final BER was received in April 1999 and approved in October 1999, authorizing about \$75,600 for the project. A surface soil sampling in November 1999, confirmed lead contamination above Act 2 non-residential direct contact level.

A Special Industrial Area consent decree is being negotiated for the site with the city of Easton.



Related Program Successes

Keystone Opportunity Zones (KOZ) Initiative

Pennsylvania continues to demonstrate its commitment to the welfare of its local businesses and communities through the enactment of special programs. The Commonwealth created legislation to revitalize economically depressed rural and urban communities that were, at one time, the driving force behind the state's economic growth.

This legislation, called the Keystone Opportunity Zones (KOZ) Initiative, encourages the renewal of these destitute areas by offering a powerful incentive — no state taxes. Gov. Tom Ridge's introduction of the KOZ in 1998 made Pennsylvania the second state to offer the market-based incentive of tax abatement, positioning the Commonwealth as a leader in helping its communities attract new businesses and jobs.

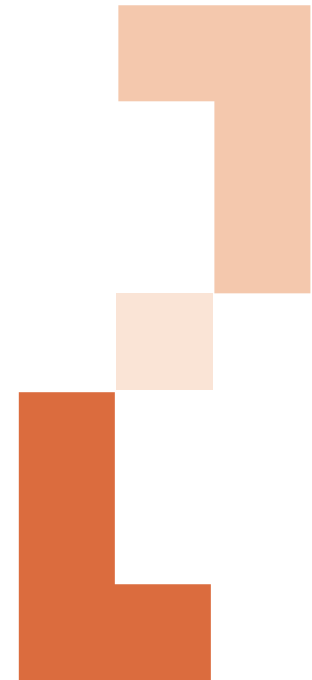
For a community to qualify as a KOZ, it must meet the following requirements:

- Provide evidence of adverse economic and socioeconomic conditions;
- Establish a binding public commitment by all taxing bodies;
- Demonstrate ties to regional, community and economic development activities;
- Outline viable reform objectives of regulations;
- Implement educational improvements and crime reduction measurements; and
- Obtain public and private commitment of resources.

Each KOZ also is allowed a maximum of 12 sub-zones (contiguous with each other) and can be no larger than 5,000 acres.

Under the KOZ initiative, tax-relief status is granted for a 12-year duration to ensure the greatest investment opportunities and to establish a foundation for economic growth.

Through private and residential reinvestment and commitment, the KOZ Initiative fosters community and economic development in various regions of the state creating opportunities to focus on: 1) business attraction/retention strategies, 2) educational improvement, 3) crime prevention, 4) housing reinvestment and 5) improved quality of life.



The Keystone Opportunity Zones (KOZ) Initiative, encourages the renewal of these destitute areas by offering a powerful incentive — no taxes.

The Land Recycling Program is an added opportunity in KOZs where former industrial sites are found. Projects receiving assistance through the Industrial Sites Reuse Program administered by DCED — a grant and low-interest loan program offering aid to municipal and local authorities, non-profit economic development agencies and similar organizations that want to conduct environmental assessments of industrial sites located in distressed areas — receive special KOZ consideration.

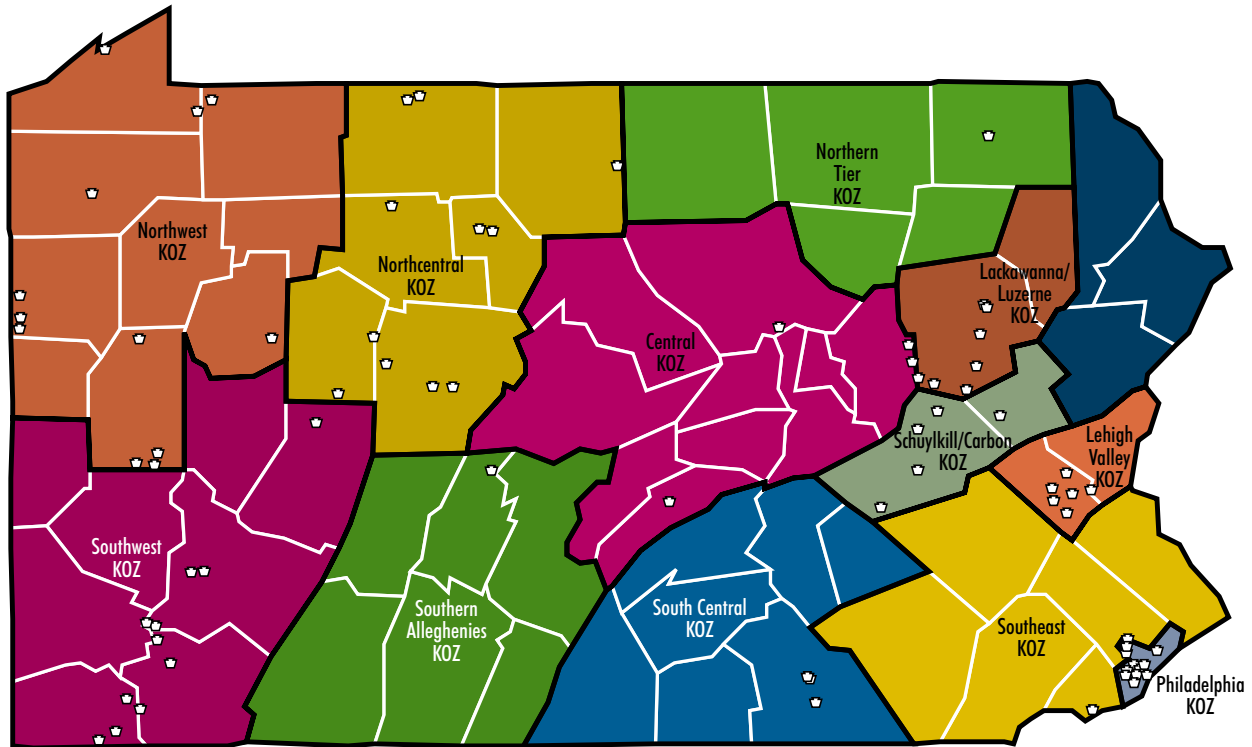
The KOZ Initiative marked its first anniversary on Feb. 25, 2000, and has 85 projects underway with about \$150 million in public and private funding. These efforts have helped create more than 4,600 new jobs and retain about 2,900 jobs. For more information about the initiative, visit www.dced.state.pa.us.

KOZ Initiative efforts have helped create more than

4,600 new jobs

and retain about

2,900 jobs



□ Keystone Opportunity Zone Project

more than

27,000 acres in 54 counties

offer KOZ opportunities

Related Program Successes

Hazardous Sites Cleanup Program

The Hazardous Sites Cleanup Program was established to provide DEP with a means of protecting human health and the environment for all Pennsylvanians. The Hazardous Sites Cleanup Act (HSCA), signed in 1988, grants the department authority to conduct site investigations and assessments, provides for the cleanup of sites releasing or threatening the release of hazardous substances or contaminants into the environment, requires the replacement of water supplies contaminated by these substances and other appropriate response actions, and calls for recovery costs from parties responsible for conducting the responses.

Additionally, HSCA establishes a fund to provide DEP with the financial resources needed to plan and implement a timely and effective response to the release of hazardous substances and contaminants. HSCA also authorizes the department to participate in the investigation, assessment and clean up of sites under the federal Superfund Act to the full extent provided by that act.

Traditionally, responses conducted under the authority of HSCA are not at active, operating facilities. HSCA addresses abandoned industrial facilities and contaminated sites where the owner is financially unable to conduct the necessary cleanup or where no known owner can be located. In these circumstances, DEP deploys state-funded contractors to investigate and assess the site. In cases where a responsible party is financially viable and chooses to ignore site conditions, HSCA also provides DEP with the authority to enforce actions to achieve site cleanup. In these cases, the responsible party may either be forced to conduct the appropriate cleanup action or reimburse DEP for its expended funds.

If a contractor is tasked with assessing a site, the contractor proceeds under a scope of work defined by the regional Hazardous Sites Cleanup Program (HSCP). That scope of work generates a site assessment report. Upon review of the assessment, the regional HSCP reviews the findings and determines the next course of action. That course of action often is the development of a remedial action plan. DEP may implement that plan in the form of a prompt interim response, an interim response, or a remedial response, based on the nature of contamination, the risk it presents, and the time and monies required to remediate the site. The Land Recycling and Environmental Remediation Standards Act provides the cleanup standards implemented by the HSCP.



HSCA establishes a fund to provide DEP with the financial resources needed to plan and implement a timely and effective response to the release of hazardous substances and contaminants.

HSCA also coordinates with EPA for activities under the Federal Superfund program. Through HSCA, the state is required to pay 10 percent of the cleanup costs at federally funded Superfund sites. DEP entered into two additional state Superfund contracts with EPA during the past fiscal year. Those contracts addressed the Butz Landfill Site and the Berkley Products Site, totaling more than \$228,000 in state-matching funds. These state-matching funds will leverage more than \$2 million in federal funds for response actions within Pennsylvania.

The following 14 sites highlight actions initiated through HSCA, from July 1999 to June 2000. They represent facilities ranging from light industrial, to food/beverage processors, to dump sites.

Adams County — Gettysburg Foundry

Southcentral Region

The foundry is located five miles south of Gettysburg Borough. The 49-acre, secondary aluminum smelting plant site contains a foundry building, maintenance garage and ball mill building. Aluminum was recycled to produce aluminum ingots at the site. The company filed for bankruptcy in 1996, and ceased operations in March 1997.

DEP initiated a prompt interim response in the summer of 1999, to complete previous interim responses on the site. On Aug. 11, 1997, a prompt interim response was conducted to repair the fence surrounding the building and to transfer dross fines piles to the inside of the foundry, preventing exposure to weather. DEP conducted a second response in 1998, to remove deteriorating drums from the site. On Nov. 4, 1998, DEP entered a consent order and agreement with C.M. Metals, which purchased the facility. C.M. Metals did not meet its obligation under the agreement, which was to remove the aboveground dross wastes and baghouse fines. DEP completed the interim response for the company on July 19, 1999. A total of 4,885 tons of dross waste and 62 tons of

baghouse waste was removed from the foundry for disposal at permitted facilities. DEP completed the response on Sept. 9, 1999, for a cost of about \$350,000.

Allegheny County — Swissvale Auto Surplus Parts

Southwest Region

This half-acre site is located in a residential/light industrial area in Swissvale. An on-site cement building contained metal scrap and debris from a metal recycling facility which operated from 1940–1984. Oils containing PCBs were burned in an on-site incinerator to produce heat for the buildings. From 1984–1987, EPA conducted an emergency action that removed 6,000

tons of contaminated soil and drummed PCB waste, and decontaminated and dismantled the incinerator building. In 1995, remaining dioxin waste was removed for final disposal. PCB-contaminated scrap and debris were left in the remaining building, creating a direct-contact risk. The site was abandoned and posed a burden to the local community.

DEP initiated a prompt interim response to remove

the PCB-contaminated building, its contents and any contaminated soil. The action was completed in December 1999, for a cost of about \$600,000. DEP entered into an agreement with the responsible parties, who contributed \$118,750 as their share of the cleanup costs. The site later attained the Act 2 residential statewide health standard and is to be used by the Allegheny County Port Authority.

Berks County — Tipton Site

Southcentral Region

The Tipton Site is located in Tipton Borough. The site has been determined hazardous due to a groundwater plume originating from the Lehigh Industries property (formerly U.S. Seating). Residential wells have been impacted by PCE from the U.S. Seating manufacturing process.



Environmental inspector samples soil for contaminants.

DEP began a prompt interim response action to remove contaminated soil on Oct. 29, 1999. This action removed 1,058 tons of impacted soil at a cost of about \$32,000. As part of this action, a potassium permanganate injection system was installed before the excavation was filled. The first injection occurred in January 2000. Two additional injections have been made since that time. Because of the clay nature of the soil, monitoring has not shown that the permanganate reached the groundwater. In July 2000, injection directly into the wells occurred to treat the groundwater. If this treatment method proves ineffective, alternative treatment methods will be considered.

Crawford County — Woodruff Property (Adjunct to Former Avtex Fibers, Inc.)

Northwest Region

The Avtex Fibers site is located in Vernon Township. This 170-acre property is the site of an abandoned fiber manufacturing plant. Remedial action, conducted by responsible parties in 1995 and 1996, consisted of contaminated soil excavation. In addition, a fire damaged electrical substation was demolished and encapsulated in concrete. Tenants of the Crawford County Industrial Redevelopment Authority occupy the site buildings.

In 1996, freestanding mercury was uncovered in six former wastewater treatment trickling filters. Investigations revealed contamination in lagoons and wetlands on the Avtex site. Mercury contamination in sediments, soil and waste also were found on adjunct properties. A HSCA response was initiated in July 1999 for the adjunct Woodruff property. Contaminated waste and soil were excavated and disposed off site. DEP's contractor has completed removal actions at seven of the remaining 10 adjunct sites. In May 2000, four additional adjunct sites were discovered. Remedial action for the Avtex property will begin in late 2000.

Elk County — Beech Grove Drum Site

Northwest Region

The Beech Grove Drum Site is located in Horton Township. It consists of two adjacent parcels of property of eight-acres and 13.7-acres, respectively. The site includes vacant land, a few residential dwellings and one commercial building. The area also is used as a private dump, as evidenced by the disposal of car parts and household appliances.

In December 1998, DEP was notified that about 30–40 drums containing paint waste were buried on the property. A search warrant was executed on July 27, 1999. During the search, DEP found partially buried drums containing paint and solvent waste. Drum wastes and site soils were sampled for hazardous substances.

DEP initiated a prompt interim response in November 1999. The contractor excavated another drum and several drum carcasses. Eight test pits also were excavated for evidence of buried drums or contaminated soils. No additional contamination was found. All of the drums and debris were packed and staged for transport and disposal. The total estimated cost of the response was \$85,000.

Lawrence County — DuPont/New Castle Junk Site

Northwest Region

This 49-acre site in Union Township consists of two adjacent properties; an inactive junkyard owned by the Lawrence County Economic Development Corporation, and the former Shenango China facility, owned by Realities USA, Inc.

Numerous past industrial activities at the site have contaminated the area. Hazardous substances have been detected in the groundwater, surface water, sediments, soil, waste and fill materials on the property. Human and ecological exposure to the groundwater contamination has not occurred. DEP initiated a remedial response. The contractor excavated 70,000 tons of battery casings and contaminated soils. The site was then treated and backfilled. The project was completed in June 2000. The remaining contract work will be completed in the near future. Over the past several years, DEP has been negotiating with the responsible parties to reach a settlement.

Lehigh County — Bottle House Site

Northeast Region

The Bottle House Site is located in a residential part of Allentown. It consists of a large, three-story brick building, built in mid-1900, as the former bottling house for the Neuweiler Brewery. The brewery ceased operations in the late 1960s. Recently the building was used as a warehouse and manufacturing facility, in which large quantities of hazardous materials were stored.

HSCA ordered a prompt interim response action on Sept. 27, 1999, to eliminate the immediate threat to human and environmental health. The response included the cleanup and disposal of 2,000 55-gallon drums. The cleanup also included the transport and disposal of numerous small containers, five laboratories containing chemicals, mixing vats, bags of chemicals, and containers of plastic resins and pellets. The building interior was decontaminated by removing piping and tanks, sweeping and grinding the concrete upper floor and pressure-washing the floors. The response was completed on May 4, 2000, at an estimated cost of \$1.5 million. Criminal and civil investigations against the responsible parties are continuing.

Lehigh County — Jacob Kline Cooperage

Northeast Region

The Jacob Kline Cooperage Site is located in a light industrial park in Allentown. It operated for many years as a drum reconditioning and recycling business. The site consisted of 11 trailers, two rolloff containers and drums, all of which contained waste material. An estimated 600 drums of waste were abandoned at this property. The current owner purchased the property at a judicial county tax sale on Sept. 25, 1996.

HSCA started a prompt interim response on Nov. 1, 1999. The objective of the response was to remove all hazardous substances to off-site facilities that have regulatory approval to treat and dispose the waste. The work was completed on April 5, 2000, at a contractor cost of about \$410,000. The current owner is responsible for submission of a plan to remove tanks and, if necessary, conduct an environmental assessment and remediation under the Land Recycling Program.

Luzerne County — Penn-Tex

Northeast Region

The Penn-Tex facility, located in Hazle Township, is an abandoned textile finishing plant that housed many drums of waste materials and chemicals. In July 1999, DEP issued a prompt interim response and removed 67 drums of flammable chemicals that were stored in a trailer at the site. The estimated cost of this action was about \$43,000. On Sept. 13, 1999, the response continued to address more hazardous substances remaining at the site. The work included inventorying, sampling and characterizing the chemicals for off-site disposal.

The second phase of the cleanup was completed on Dec. 15, 1999, at an estimated cost of \$188,000. The DEP Bureau of Investigation is attempting to locate the responsible parties.

Montgomery County — Baghurst Alley

Southeast Region

Baghurst Alley is located in Upper Salford Township. This residential area contains a groundwater contamination plume of unknown size and origin. The contaminants of concern are TCA, DCE, DCA and TCE. DEP is providing affected residents with bottled water to minimize the exposure to the contaminants. A contractor hired by DEP is investigating the size and origin of the plume.

HSCA started an interim response on Dec. 17, 1999. The Pennsylvania Department of Health and the Montgomery County Department of Health recommended 23 homes be provided carbon filtration systems on their water supplies. Filter installation was completed on June 15, 2000. The entire DEP response effort cost an estimated \$50,500. Existing public water lines are several miles away from the site in any direction; therefore, the most practical solution to providing clean water may be drilling one or more public water wells to provide portable water to the homes at the site.

Montgomery County — Chemigraphics, Inc.

Southeast Region

This 17-acre property is located in Whitpain Township. Chemigraphics fabricated stainless-steel products before ceasing operations. Designs in Stone is the only company open at this site.

When Chemigraphics halted operations, 50–100 drums of waste materials and several containers were abandoned on the property. A documented release of TCE, which resulted in soil and groundwater contamination, existed. Five monitoring wells were installed on the site.

HSCA started a prompt interim response action on March 17, 2000. Stabilized drum wastes were removed. Additional monitoring wells were installed on April 25, 2000. Another priority issue included a survey of area residents to determine if any were using well water. No contaminants were uncovered in the samples taken from the three residences using well water. The response action will cost an estimated total

of \$250,000. A buyer acquired the site mortgages and a settlement has been approved. The buyer has begun to foreclose and take control of the property.

Northampton County — Freemansburg USMC Range

Northeast Region

The former USMC Reserve Training Center is located in Freemansburg. This site is under the Department of Defense Multi-Site Agreement with DEP. The firing range underwent remediation through a HSCA contract. High levels of lead were found in the ventilation system and the firing range areas in August 1999. A response occurred in March–May 2000. It included excavation and disposal of sand from the firing range, and removal of the ventilation ductwork and blower unit, a steel target plate and concrete pad and asbestos. A tire distributor plans to occupy the basement area of this remediated site.

Luzerne County — Santey Junkyard

Northeast Region

The Santey Junkyard is a half-acre site located in a residential area of Bear Creek Township. The property was used as a metals reclamation facility, from 1955 until 1986. The metals reclamation process involved the draining of transformer fluids into 55-gallon drums, shipping the drums off site, dismantling the transformers and recovering the copper cores within the transformers.

On June 30, 1999, DEP deemed an interim response action necessary for the site. The area of concern was an unknown volume of heavy metals and PCB-contaminated soil and sediment. DEP conducted a study on Nov. 29, 1999, to quantify and characterize the contamination. The contaminated material removal phase was initiated shortly after, and is scheduled to be complete by late summer/early fall 2000. The cost of the cleanup is estimated to be \$775,000.

Lycoming County — Reach Road Industrial Park


Northcentral Region

In July 1999, DEP learned that a residential drinking water supply in Williamsport was contaminated with VOCs. Ten out of 14 sampled water wells were contaminated above the VOC drinking water standards. DEP immediately offered residents and business owners bottled drinking water until a permanent solution is in place.


DEP intends to connect all affected homes and businesses to the municipal water system. Installation of the water main, funded by HSCA through a grant agreement, was completed on June 21, 2000. On July 6, 2000, a local plumbing contractor was awarded the contract to complete the connection process. The estimated cost of the entire project is \$110,000.

Related Program Successes

Storage Tank Cleanups



*Since 1995,
2,760 storage
tank cleanups
have been
completed
under the
Land
Recycling
Program.*



DEP's assistance in cleanup efforts under the Land Recycling Program consists largely of storage tank cleanups. Tank cleanup sites range from local gas stations to large aboveground storage tank (AST) complexes. Prior to the cleanup standards established by the Land Recycling Program in 1995, cleanup activity was guided by the Corrective Action Process regulation of 1993.

Responsible Party Cleanups

The Storage Tank and Spill Prevention Act of August 1989 requires responsible parties (tank owners and operators) to fund and clean up site contamination using certified contractors. Since 1989, DEP has tracked the status of 13,244 regulated storage tank release sites.

Under the Land Recycling Environmental Remediation Standards Act (Act 2 of 1995), three types of cleanup standards are available to responsible parties: background standard, statewide health standard and site-specific standard. The *Land Recycling Program Technical Manual* provides guidelines for remediation using these standards. By choosing one of these remediation standards, responsible parties are relieved of further liability.

Since 1995, 2,760 storage tank cleanups have been completed under the Land Recycling Program. As a result, DEP has issued a no further action or liability protection letter to the responsible party. A total of 296 sites have been completed during July 1999–June 2000.

Publicly Funded Cleanups

Although most storage tank cleanups have responsible parties, some remediation activities have required DEP or EPA involvement. Extreme lack of cooperation from responsible parties require DEP or EPA to take action to prevent further degradation to the environment and exposure to contamination. In addition, instances of bankruptcy or insufficient funds on the part of the responsible parties cause DEP or EPA to take necessary action for successful remediation.

From July 1999 through June 2000, 22 state- and federally-led actions (including site cleanups, assessment activities or monitoring activities either prior to or after remediation) were initiated, continued or completed. At these release sites, corrective action activities conducted by environmental consultants ranged from the operation and maintenance of groundwater remediation systems to the supply of bottled water to the community. Established in February 1994, and administered by the Department of Insurance, Bureau of Special Funds, the state Underground Storage Tank Indemnification Fund (USTIF) provides

funding for these projects. Under the January 1998 (Act 13 of 1998), Storage Tank and Spill Prevention Act, DEP receives a maximum of \$5.5 million annually from the USTIF to cover costs for corrective action activities at regulated underground storage tank (UST) release sites.

The following site descriptions are some of the significant state- and federally-led actions conducted during the past year. The sites and their activities are listed by county and region:

Clearfield County — Lucas Brothers Garage

Northcentral Region

Until 1993, this site was an active gasoline service station in Westover Borough. The owner removed three regulated gasoline USTs and found that all three had leaked. Soil and groundwater contamination were reported to DEP and the owner was directed to conduct a characterization of the site. The owner installed three monitoring wells, which revealed elevated levels of petroleum hydrocarbons in the groundwater. The owner, due to his lack of financial assets and ineligibility for USTIF, could not continue with further site work.

Through the use of special funding, DEP retained a contractor to complete the site characterization and to finish the removal of product piping and associated dispensers. A total of eight monitoring wells have been installed and sampled. The extent of both soil and groundwater contamination has been defined. During fieldwork, DEP identified a property owner down gradient of the Lucas site that was using a well, despite available public water. DEP sampled this well and found concentrations of MTBE. In response, DEP installed a lateral water line and connection to the borough's main water line. DEP is evaluating remedial options for the site.

Dauphin County — Hilltop Grocery (former)

Southcentral Region

In February 1994, the site owner removed four USTs from service. A small hole in one tank was observed and photographed, while soil samples from two other tanks showed elevated contamination levels. In August 1994, DEP requested the site owner conduct a site characterization. No action was taken. By January 1996, two residences and one apartment complex complained of petroleum odors in drinking



Petro Clean, Inc., inspector M. Hartley assesses an underground storage tank.

water. In January 2000, DEP selected a contractor to conduct a site characterization. Four monitoring wells were installed and several soil borings were taken. Site characterization activities are underway.

Delaware County — 202 Island Car Wash

Southeast Region

In March 1997, DEP received a complaint of gasoline odors in portable well water from one of the residents in the Conestoga Farms neighborhood adjacent to the 202 Island Car Wash. A sampling of about 75 homes in and around the Conestoga Farms neighborhood revealed that four residential wells had levels of MTBE that exceeded DEP's standards. Investigation of the facility revealed leak detection was not performed on the facility's USTs.

In February 1998 and January 1999, DEP ordered the car wash to cease operations. The facility had to comply with DEP's Corrective Action and Release Detection regulations, conduct quarterly residential well sampling, perform filter maintenance for homes that had carbon filters and pay civil penalties. Several hearings were held in front of the Environmental Hearing Board, in which the board upheld DEP's requirements. The cleanup, however, is not complete. Legal actions are ongoing.

In summer 1999, DEP granted Concord Township monies to install a waterline to provide public water to 75 homes in and around the Conestoga Farms neighborhood. All but six homes have been hooked up to public water.

Elk County — Bob's Service Center

Northwest Region

This site in Ridgeway Township had two 1,000-gallon USTs removed. One UST was regulated and contained an unleaded gasoline-water mixture and the other UST contained PCB-contaminated waste oil. The UST removal costs were divided between the Storage Tank and HSCA programs. UST removal costs activities occurred Feb. 7–14, 2000. Localized contaminated soil was encountered while removing the tanks. The contaminated soil was removed and staged on site. Confirmatory samples were collected following removal of the contaminated soil. A final report was submitted on June 2, 2000. About 1,400 gallons of PCB-contaminated waste oil-water mixture and 100 tons of non-hazardous petroleum-contaminated soils were disposed. The site has been graded and restored.

Lackawanna County — Jermyn Mill & Grain

Northwest Region

Located in Jermyn Borough, this one-acre site was previously a feed and grain mill with operations dating back to the 1920s. Most recently, the site was a gas station, and a fuel and waste oil bulk storage and transfer facility. The site has been vacant since 1994, when a fire destroyed all buildings on the site. DEP initiated a joint interim action in August 1999 between the Storage Tank Cleanup and HSCA programs.

The response investigated all existing storage tanks for evidence of leakage and removed them. A total of 32 tanks (28 USTs and four ASTs) were emptied, cleaned, inspected and removed from the site. The tanks contained gasoline, diesel, waste oil, waste anti-freeze and water. As many as 70 drums, tires, petroleum dispensers, dumpsters and auto-related garbage also were removed from the site. In February 2000, DEP initiated activities to investigate the soil and groundwater for evidence of contamination. Eight monitoring wells were installed and soil samples were taken. The data is being evaluated for evidence of environmental damage.

Lebanon County — Sandman II Truckstop

Southcentral Region

In 1993, soil and groundwater contamination was identified at this facility during a tank removal at the East Hanover Township site. Impacts were evident in the area of the tanks and north of the facility in a tributary to the Swatara Creek. The bulk of the impacted soil was excavated, but left on site. Gasoline

also was left floating on top of the water table in the immediate area of the facility.

After several attempts by DEP to enlist a response from the responsible party, DEP selected a contractor to undertake a site characterization. Fieldwork began on Nov. 29, 1999, at which time piezometers were installed. The stockpiled contaminated soil was tested and removed. Subsequent soil, groundwater and stream sampling occurred. A draft remedial action plan has been developed and submitted to DEP for implementation.

Luzerne County — Lehman Sunoco

Northwest Region

The original, portable groundwater remediation system will be replaced with a larger, permanent system at the service station in Lehman Township. The new system is in the design phase. After the site was closely characterized, a more permanent system was considered instead of the original system. The new equipment will be purchased with Oil Spill Liability Trust Fund monies. Bottled water is being supplied to affected residents.

Luzerne County — Tranguch Tire

Northwest Region

DEP and EPA have been reviewing the results of the soil vapor extraction system that was installed in December 1999 at this Hazleton City site. The results have been promising for this remedial effort. Samples have been taken from area homes, beginning in March 2000. The presence of BTEX compounds in the air of one of these homes prompted the investigation. Vapor levels that exceed EPA Action Levels have been recorded. The Department of Health suggested the installation of vapor recovery systems in two homes. Additional sampling has been scheduled to determine the extent and magnitude of the problem.

Montgomery County — Blue Bell Gulf Station

Southcentral Region

DEP continues its cleanup efforts from a 1998 UST release at the Wagner Blue Bell Gulf service station in Whitpain Township. Between 10,000 and 15,000 gallons of gasoline were released, impacting the soil and groundwater in the surrounding area. The station owner was ordered by DEP to conduct a site investigation and cleanup. A claim filed by the station owner resulted in a \$1 million USTIF grant. The USTIF cleanup funds were exhausted in early 1999, and the station owner stopped remediation action.



With assistance from Senator Edwin Holl, DEP secured additional funding from Act 13 to continue the on- and off-site characterization and cleanup work. All homeowners in the impacted area have been connected to a public water supply or have been provided carbon filter systems. Several recovery well systems were installed in the area along with free product removal units, stripper units and a soil vapor extraction system. Development of the remedial action plan continues.

Northampton County — Hokendauqua Creek

Northeast Region

This creek in Northampton Borough has been polluted with gasoline since 1987. Near the end of 1999, the Remedial Action Plan for the gasoline seep cleanup of Hokendauqua Creek was finalized. About 1.2 tons of contaminated soil were excavated from the seep area where the petroleum exited the stream bank. Five groundwater monitoring wells (MWs) and two soil borings were installed to conduct a site investigation into the source and extent of contamination. Oxygen Release Compound socks were assembled and installed in the MWs. This installation will expedite the degradation of dissolved phase petroleum hydrocarbons in the groundwater aquifer, since site limitations restrict the installation of larger, more active groundwater treatment systems.

Perry County — Kell's Korner Market

Southcentral Region

Kell's Korner Market is an operating gasoline station and convenience store located in Spring Township. A release of an unknown quantity of gasoline migrated off site and contaminated a neighbor's domestic well. The owner of Kell's Korner conducted a partial site characterization of the property. DEP is in the process of completing the site characterization on neighboring properties. Five off-site monitoring wells have been installed to determine the extent of the groundwater contaminant plume. In addition, soil borings were installed and soil samples were collected and analyzed for gasoline constituents to define the extent and degree of gasoline exposure to off-site soils. A large diameter recovery well and vapor monitoring points also were installed on the Kell's Korner property to allow DEP to

conduct a remedial feasibility study. The goal of the study was to design a remediation system for the site.

Schuylkill County — Hartranft Texaco

Northeast Region

Funds from the Coast Guard's Oil Spill Liability Trust Fund have allowed DEP to continue groundwater treatment of this contaminated area. Once a former service station, this site in Rush Township contained gasoline leaking USTs. The treatment system maintenance and operation is controlled by DEP, and has been running efficiently and effectively. Groundwater contamination levels have been declining based on periodic DMRs. DEP will continue to oversee the remedial efforts at this site.

Washington County — Tri-State Wholesale Oil Co.

Southwest Region

Tri-State Wholesale Oil Company was a petroleum blending and distribution business in Hanover Township. In early 1998, Tri-State Wholesale Oil Company declared bankruptcy and ceased operations. In January 2000, an IRSC contract allowed removal of 20 leaking USTs from the property. DEP employed a contractor to remove the USTs and associated parts.

During February, March and April 2000, a total of 14 USTs were removed, cleaned and scrapped from the facility. During April, two ASTs were removed, cleaned and scrapped. Contaminated soil in excess of 1,000 tons was generated and properly disposed. In addition to the contaminated soils, more than thirty drums of sludge and tank cleanings were properly identified and disposed. All excavations were back-filled with fill material, graded and seeded or graveled appropriately. The majority of site work was completed on April 12, 2000. The drum disposal was completed on June 12, 2000.

Appendix 1

Completed Site Descriptions

Listed below are descriptions of completed sites during fiscal year July 1999–June 2000, including information such as size, cleanup standard(s), contaminant(s) and contact information.



Allegheny County — Air Reserve Station-911 Air Wing - Pittsburgh International Airport

Southwest Region

Located in Moon Township, this property underwent remediation for groundwater contamination. Underneath building 408, in a former drum storage area, TCE was found in the groundwater. A fate and transport analysis determined that it would not reach the property line point of compliance at concentrations above the medium specific concentration. DEP approved the final report on Oct. 19, 1999. Contact Mike Hartley, DEP, (412) 442-4085.

Allegheny County — BP Amoco Terminal

Southwest Region

This Baldwin Borough property underwent remediation for soil and groundwater contamination. The 13.5-acre former tank terminal distributed “light-end” petroleum products (unleaded gasoline, diesel and fuel oil), from 1936 until 1995. All buildings, storage tanks (above and underground) and product piping (above and below grade) were excavated and removed from the property between June and November 1996. The non-residential statewide

health standards for a non-used aquifer were attained for both soil and groundwater. The land is currently vacant. DEP approved the final report on Oct. 19, 1999. Contact Mike Pavilonis, DEP, (412) 442-4066.

Allegheny County — Dixson Brothers Dry Cleaners

Southwest Region

Located in Pittsburgh, this .10-acre former dry cleaning business underwent remediation for soil contamination. PCE and its degradation products were found beneath the basement floor. The source was believed to be corroded drums of dry cleaning fluid. About 118 cubic yards of contaminated soil, along with the drums and sediment, were removed from the basement. Two to three feet of fill on the concrete slab, topped with a four-foot layer of sand, were part of the remediation efforts. A sheet of polyethylene material was placed over the sand as a vapor barrier. The site-specific standard for soil was attained, and there are controls in place regarding the future housing construction techniques to be implemented. DEP approved the final report on Feb. 2, 2000. Contact Charles Johnson, DEP, (412) 442-4154.

Allegheny County — Exxon Pittsburgh Specialty Products Plant

Southwest Region

This site in Pittsburgh underwent remediation for soil and groundwater contamination. For several years, Exxon investigated and remediated the property. Remediation included the removal of PCBs from an antiquated sewer system, removal of hydrocarbon-impacted soil and NAPL recovery. In 1996, this facility was decommissioned and sold. Exxon performed another site assessment. Investigations showed that the previous cleanups attained a combination of statewide health and site-specific standards, and no further remediation was needed. The former grease making facility and its structures were removed from the property. The remaining tanks and wastewater treatment facility were cleaned and are now inactive. DEP approved the final report on Dec. 30, 1999. Contact Mike Pavilonis, DEP, (412) 442-4066.

Allegheny County — LTV Steel Company - Hazelwood Coke Plant, Railroad Parcel

Southwest Region

Located in Pittsburgh, this 50-acre parcel underwent remediation for soil and groundwater contamination. LTV decided to close the plant and pursue Land Recycling Program closure prior to selling the site. The facility was divided into two parcels. Soil borings and 21 monitoring wells showed low-levels of contamination on the site. The exception was vanadium, which was detected above the MSC in soil. No actions, beyond the interim remedial ones already taken and the institutional controls already in place, were necessary to attain the site-specific standard. DEP approved the final report on Feb. 16, 2000. Contact Mark L. Johnson, DEP, (412) 442-4067.

Allegheny County — Microbac Laboratories, Inc.

Southwest Region

This 4.6-acre site and former food testing and environmental laboratory in McCandless Township underwent remediation for soil and groundwater contamination. Beginning in 1992, investigations on the site discovered 13 waste pits. These were uncovered and excavated for disposal. About 55 cubic yards of soil around the pits were excavated and removed to attain the residential statewide health standard. Groundwater contamination was detected in some on-site wells. Fate and transport analysis was performed to maintain the requirements at the point of compliance. The on-site drinking water well was not affected. DEP approved the final report on Sept. 22, 1999. Contact Mike Pavilonis, DEP, (412) 442-4066.

Allegheny County — Neville Island Associates (Shenango Inc.) - RPS Parcel

Southwest Region

Located in Neville Township, this 15.7-acre parcel underwent remediation for soil and groundwater contamination. Neville Island Associates entered a consent order agreement to enable RPS project development before the Land Recycling Program standards final approval date. Pathway elimination, using the buildings and landscaping of the final project, attained the site-specific standard. Construction of the RPS Pittsburgh Terminal was completed in January 1999. Parking lots and roads were paved in April 1999. Landscaping activities were completed in June 1999, when RPS began full-scale operations. An agreement limiting the use to non-residential activities was incorporated into the lease. DEP approved the final report on April 12, 2000. Contact Fred Baldassare, DEP, (412) 442-4145.

Allegheny County — Redevelopment Authority of McKeesport

Southwest Region

This site in McKeesport underwent remediation for soil contamination. Five unregulated 4,000-gallon USTs were discovered and removed from the property of this former gas station. About 360 cubic yards of contaminated soils were excavated and disposed. A total of 12 post excavation samples were taken. Using the 75 percent-10X rule, the statewide health standard was attained. DEP approved the final report on July 2, 1999. Contact Charles Johnson, DEP, (412) 442-4154.

Allegheny County — Swissvale Auto Surplus Parts

Southwest Region

Located in Swissvale, this half-acre site underwent remediation for soil contamination. In 1987, EPA completed an emergency removal action, leaving PCB-contaminated scrap behind in a locked, concrete block building on the property. In 1999, HSCA completed an interim response action by removing and disposing all the PCB-contaminated waste and soil. For the purchase and transfer of the site to the Port Authority of Allegheny County, the property achieved statewide health standards with the support of DEP and the Land Recycling Program. DEP approved the final report on April 24, 2000. Contact Gary Mechtley, DEP, (412) 442-4201.

**Allegheny County —
URA of Pittsburgh - LTV Southside Works
Southwest Region**

Located in Pittsburgh, this former LTV plant underwent remediation for groundwater contamination. Being a large parcel, the site was subdivided into sections for the purpose of environmental assessment and clean up. Monitoring wells were installed throughout the site and sampling began in August 1997. Trace levels of metals were found in the Main and Sarah Streets sites. Petroleum aromatic hydrocarbons and VOCs were present in the tar tank area. DEP granted a non-use aquifer determination after the URA showed no down gradient use of groundwater and no adverse impact on the Monongahela River. The statewide health standard was attained, and the URA will prohibit the use of groundwater at the site through deed restrictions on parcels as they are developed. DEP approved the final report on Nov. 30, 1999. Contact Tom Buchan, DEP, (412) 442-5804.

**Allegheny County —
URA of Pittsburgh - LTV Southside Works,
UPMC Parcel**

Southwest Region

Located in a former LTV plant, this office and warehouse building for the University of Pittsburgh underwent remediation for soil contamination. PCBs and metals contaminated the soil underneath and around the building. Areas not underneath the building were covered in six inches of clean soil or asphalt paving to attain the statewide health standard. A deed restriction was put in place, limiting future use of the building as non-residential. DEP approved the final report on Nov. 30, 1999. Contact Tom Buchan, DEP, (412) 442-5804.

**Allegheny County —
URA of Pittsburgh - LTV Southside Works,
Eliza Parcel**

Southwest Region

This parcel did not contain soil or groundwater contamination that exceeded the statewide health standard. However, floating product was found in one interior monitoring well. Other wells did not contain the floating product as such, it is believed that this is an isolated pocket, perhaps even a basement or vessel holding the oily material. A fate and transport analysis of the material showed that, should it migrate to the river, it would not exceed the water quality criteria. The statewide health standard was attained, and DEP approved the final report on Nov. 30, 1999. Contact Tom Buchan, DEP, (412) 442-5804.

**Armstrong County —
CNG Transmission Corporation - South Bend
Compressor Station**

Southwest Region

Located in South Bend Township, this site underwent remediation for soil contamination. There were trash pits, used by CNG prior to 1981, on property east of the compressor station. Twenty-four test pits were excavated to determine the location and contents of the trash pits. Two trash pits were found with empty, corroded drums, tires, scrap metal and other miscellaneous debris. Soil samples contained nothing that exceeded the statewide health standard. However, the consent order required remediation regardless of contaminant concentrations. The trash pits were excavated and disposed off site along with a total of 1,952.36 tons of material. The statewide health standard was attained, and DEP approved the final report on Jan. 12, 2000. Contact Ed Bates, DEP, (724) 925-5405.

**Beaver County —
ARCO Chemical - Beaver Valley Plant**

Southwest Region

Located in Potter Township, this site underwent remediation for soil and groundwater contamination. ARCO and its predecessors used the West Landfill for disposal of reject and scrap styrene. The upper portion of an adjacent wetland was filled by the landfill. Although in a wooded area and terrestrial wildlife appeared unaffected, the water appeared unusual and devoid of aquatic life. Alongside the wetland and adjacent to the landfill is a quarry mine owned by the Dravo Corporation. They noticed an odorous seep in the high wall, which faces the West Landfill. Mining in this region stopped and ARCO purchased the area from Dravo. The site-specific standard was attained, and DEP approved the final report on Nov. 23, 1999. Contact Fred Baldassare, DEP, (412) 442-4145.

**Berks County — Met Ed
Southcentral Region**

This three-acre site in Hamburg Borough underwent remediation for soil and groundwater contamination. Coal tars and semi-volatiles from a former coal gasification plant were the contaminants of concern. Statewide health standards were attained as a result of the cleanup. The property will be reused as a parking lot for an adjacent industrial site. DEP approved the final report on Sept. 14, 1999, for soil and Aug. 10, 1999, for groundwater. Contact Steve Shank, DEP, (717) 705-4841.

Bucks County — Adamczyk Residence

Southeast Region

This residential property, located in Morrisville, underwent remediation for soil and groundwater contamination. Petroleum leaked from a home heating oil AST. It was then carried to a crawlspace beneath the home and discharged into the back yard by means of a sump pump. Remediation efforts included the excavation and removal of 21.5 tons of soil, the installation of monitoring wells and the fitting of a carbon screen in the sump pump. The residential statewide health standard was attained, and the site will remain a private residence. DEP approved the final report on May 26, 2000. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Brinker's Fuel Facility

Southeast Region

This 5.28-acre site in Doylestown Borough underwent remediation for soil contamination. The property, a heating oil storage and distribution facility and a retail motor fueling center, has been occupied by the same operation since 1953. An area near an AST was found to have high levels of petroleum-related contaminants. Bioremediation technology helped remove 387 cubic yards of soil to attain the statewide health standard. The site will continue to distribute oil. DEP approved the final report on Sept. 15, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Chalfont Plaza Associates

Southeast Region

Located in New Britain Township, this shopping mall underwent soil and groundwater contamination assessment. The releases that occurred had two sources: heating oil UST and cleaning solvents from a dry cleaning business. After testing the soil and groundwater, it was concluded that no significant risks were present from the releases. Therefore, no remediation was required to demonstrate attainment of site-specific and statewide health standards. The site continues to function as a commercial shopping center. DEP approved the final report on Aug. 17, 1999. Contact Thomas Canigiani, DEP, (610) 832-5926.

Bucks County — CHQ Reproductions, Inc.

Southeast Region

Located in Warminster Township, this property underwent remediation for soil contamination. A diesel fuel spill occurred when a delivery vehicle struck a landscaping rock on the grounds of CHQ, rupturing a fuel line. Rapid spill

response was initiated resulting in the vacuuming of fuel and water. An additional 0.34 tons of contaminated soil were excavated and properly disposed. The statewide health standard for soil was attained, and the property will continue to be used as a commercial facility. DEP approved the final report on Sept. 13, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Gardner and Stephen Residences

Southeast Region

In the Borough of New Hope, this residential property underwent remediation for soil contamination. Kerosene released in March 1998, contaminated adjoining back yards and community-owned common grounds. A 55-gallon drum located at the junction of two residential properties released the kerosene. The remediation effort consisted of removing 8 tons of contaminated soil. Post excavation samples confirmed that the soil met the residential statewide health standards. DEP approved the final report on Aug. 10, 1999. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Hannes Property

Southeast Region

This former service station underwent soil and groundwater remediation in Buckingham Township. Investigations revealed gasoline constituents in soils at concentrations exceeding statewide health standards. About 47 tons of contaminated soil were removed and disposed. Groundwater was investigated by the installation of four monitoring wells. Results of the groundwater sampling demonstrated the attainment of the statewide health standard. The proposed future use of this property is a non-residential firehouse for Lingohocken Fire Company. DEP approved the final report on Oct. 8, 1999. Contact Lauren Mapleton, DEP, (610) 832-5922.

Bucks County — Harvey Knechel Property

Southeast Region

Located in New Britain Township, this 0.75-acre site underwent remediation for soil contamination. A 550-gallon home heating UST released oil during an excavation and removal operation. Remediation efforts included the removal and disposal of 40.93 tons of petroleum contaminated soil. The residential statewide health standard was attained, and the site will continue its use as a residence. DEP approved the final report on Feb. 9, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Home Depot (proposed facility)

Southeast Region

Located in Warrington Township, this 8.28-acre site underwent remediation for soil and groundwater contamination. Soil investigations were conducted to determine the presence of metals, solvents and other contaminants. Nothing exceeded the non-residential statewide health standard. Groundwater was remediated to site-specific standards and a monitoring well was installed. A Home Depot will be constructed on the site. DEP approved the final report on March 14, 2000. Contact James Burke, DEP, (610) 832-6151.

Bucks County — Lenape Manufacturing Corporation

Southeast Region

Located in East Rockhill Township, this site underwent remediation of soil and groundwater contamination. The corporation manufactures aviation and automotive parts. Chlorinated solvents, petroleum hydrocarbons and sandblast grit were released into soils and groundwater. Soil investigation included sampling, gas chromatography and geoprobes. Contaminated areas were excavated and disposed when found. Groundwater contamination was found in neighboring properties. Subsequently, a pump and treatment system was installed at the facility. The statewide health standard was attained for soil and the site-specific standard was attained for groundwater. The site will continue its manufacturing function. DEP approved the final report on Feb. 3, 2000. Contact James Burke, DEP, (610) 832-6151.

Bucks County — Levitz Furniture Corporation

Southeast Region

Located in Langhorne, this 12-acre property underwent remediation for soil and groundwater contamination. The contaminants of concern were TCE and other petroleum products left behind by the Langhorne Speedway, formerly on this site. Assessment included soil investigation and sampling. Site-specific standards were used and attained. The property will remain a commercial retail facility. DEP approved the final report on April 5, 2000. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Madonna Management Company

Southeast Region

Located in Bensalem, this 10-acre site, formerly used in wood preserving operations, underwent a site investigation to determine the existence and concentrations of contaminants on the property. The two main areas were of concern: a former lagoon where two USTs had been removed and where the wood treatment plant had been. Soil samples and groundwater samples showed that they both met the statewide health standard. This site will continue to function as a non-residential, commercial property. DEP approved the final report on Sept. 20, 1999. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Merkel Residence

Southeast Region

This Doylestown Township residential property underwent remediation for soil contamination. A 300-gallon heating oil UST was being replaced at the townhouse where petroleum contaminated soils were encountered. Remediation included the removal of the UST and 22.47 tons of contaminated soil. The statewide health standard was attained, and the site will remain a private residence. DEP approved the final report on April 24, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Paulovic/Lazzara Residences

Southeast Region

Located in Point Pleasant, this site functioned as a residential property and underwent soil remediation and groundwater re-injection. The contaminant, heating oil, was released from an above ground heating oil tank. The remediation process included excavation of the contaminated soil and the pumping, treating and re-injection of groundwater. The future use of these properties will continue to be residential. The statewide health standard was attained, and DEP approved the final report on July 21, 1999. Contact Lauren Mapelton, DEP, (610) 832-5922.

Bucks County — Raj's Gulf Station

Southeast Region

Located in Morrisville Borough, this property underwent remediation for soil and groundwater contamination. Non-leaded gasoline was discovered during the removal of four USTs and associated piping. About 274.5 tons of petroleum-contaminated soils were removed, along with the tanks and pipes. Monitoring wells were installed as well. The statewide health standards for both soil and groundwater were attained, and DEP approved the final report on April 25, 2000. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Villare Residence

Southeast Region

Located in Quakertown Borough, this property underwent remediation for soil and groundwater contamination. A 500-gallon UST released 100 gallons of home heating oil. Remediation efforts included absorption of floating oil in the basement, and the removal of the tank and 40 tons of contaminated soil. A treatment system for petroleum-contaminated groundwater was installed. The residential statewide health standard was attained, and DEP approved the final report on March 22, 2000. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Wagner Gourmet Foods

Southeast Region

This site, which borders the Naval Air Warfare Center, underwent an investigation due to a possible sale and the occurrence of a groundwater contaminant plume emanating from the Naval Center. VOCs were the contaminants of concern. The U.S. Navy installed nine monitoring wells on the Wagner property and took immediate actions to remediate the groundwater within the Warfare Center through extraction and re-injection. Later tests proved that the Navy's remediation efforts helped the Wagner property attain the site-specific standard. The property was then able to go on the real estate market. DEP approved the final report on Dec. 1, 1999. Contact James Burke, DEP, (610) 832-6151.

Bucks County — Weisser Residence

Southeast Region

Located in Bristol Borough, this residence underwent soil remediation. The contaminant, heating oil, was released from a storage tank that was located on the first floor of the house. The soil was remediated by using bioremediation and the injection of microbes. The statewide health standard was attained, and DEP approved the final report on Aug. 6, 1999. Contact Chris Falkler, DEP, (610) 832-5930.

Bucks County — Wonder Chemical Corporation

Southeast Region

Located in Falls Township, this 4.0-acre site underwent remediation for soil contamination. The property is home to a cleaning products manufacturing plant. The plant was contaminated with chloroform and chlorides related to an accidental release. Remediation measures included contaminated soil removal, disposal and venting. The property was remediated to the site-specific standard. DEP approved the final report on Jan. 31, 2000. Contact Sarah Pantelidou, DEP, (610) 832-6164.

Cambria County — Johnstown Corporation - AOC-1

Southwest Region

Located in an enterprise zone, this steel foundry underwent remediation for soil and groundwater contamination. The 60-acre site has produced iron and steel castings for industrial applications for more than 100 years. DEP approved the final report for AOC 2 on Oct. 14, 1998. The fuel oil distribution area, AOC-1, was excluded from the approval. Fuel oil was not quantified by laboratory analysis since it was less than the statewide standard and an oily sheen was found in a pipe discharge into Stonycreek. Engineers re-routed non-contact cleaning water that originally flowed through the discharge pipe. A new sample was found free of petroleum hydrocarbons, and contaminated sediments were excavated from the pipe outfall. A re-inspection indicated that no sheen was present and the statewide health standard was attained. DEP approved the final report for AOC-1 on Oct. 12, 1999. Contact Tom Buchan, DEP, (412) 442-5804.

Carbon County — PPL Electric Utilities Corp.**Northeast Region**

Two pole sites in Carbon County underwent remediation for soil contamination. Residual PCBs from past transformer malfunctions contaminated the soil underneath these poles. The remediation efforts attained the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2511.

Centre County — Bucha Residence**Northcentral Region**

This property in Snowshoe Township underwent remediation for soil contamination. An estimated 340 gallons of heating oil were released from an AST at this private home. A portion of the release was contained on the concrete floor, but some escaped through the floor drain to a storm sewer. The statewide health standard was attained, and DEP approved the final report on July 23, 1999. Contact Vu Tran, DEP, (570) 327-3721.

Centre County — Port Matilda Borough Authority - Waste Water Treatment Plant**Northcentral Region**

Located in Worth Township, this site underwent remediation for soil contamination. The source of contamination was No. 2 fuel oil leaking from a pipe. About 35 cubic yards of impacted soil were removed. The statewide health standard was attained, and the property will remain in use as the Waste Water Treatment Plant. DEP approved the final report on May 10, 2000. Contact Michael C. Welch, DEP, (570) 321-6518.

Centre County — Renninger Lumber Truck Spill - Charles Rishel residence**Northcentral Region**

This one-acre residential site in Tusseyville underwent remediation for soil contamination. A motor vehicle accident caused 100 gallons of diesel fuel to spill onto the front yard of Mr. Rishel's property. About 8.79 tons of contaminated soils were excavated and disposed. The statewide health standard was attained, and DEP approved the final report on April 5, 2000. Contact Dennis C. Wolfe, DEP, (570) 327-3704.

Centre County — University Park Airport**Northcentral Region**

Located near State College in Benner Township, this airport facility underwent remediation for soil contamination. The operation of two small aboveground storage tanks, used by the Air National Guard, resulted in the contamination of soil from volatile and semi-volatile organics. About 86.5 tons of soil were excavated and disposed at a landfill to maintain the statewide health standard. DEP approved the final report on July 8, 1999. Contact Randy Farmerie, DEP, (570) 327-3716.

Chester County — 184 Pennsylvania Avenue Associates**Southeast Region**

Located in Malvern Borough, this commercial site underwent remediation for soil contamination. The area of concern was a portion of the property polluted with solidified epoxy, semi-hardened paint and fiberglass. About 50 cubic yards of contaminated soil and waste were removed. The excavation and disposal of the soil and waste resulted in attainment of the statewide health standard. The property will return to commercial/industrial use. DEP approved the final report on April 5, 2000. Contact James Burke, DEP, (610) 832-6151.

Chester County — Braxton's Animal Works**Southeast Region**

This property in Tredyffrin Township underwent remediation for soil contamination. The source of the contamination was a 1,000-gallon heating oil UST, which was abandoned in the 1960s. The tank and 91.23 tons of contaminated soil were removed and disposed. The statewide health standard for soil was attained. The property houses a commercial business that sells animal feed and care-products. DEP approved the final report on April 25, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — CIMEO Tract**Southeast Region**

Located in Sadsbury Township, this 94-acre farm underwent remediation for soil contamination. A preliminary study on the site revealed elevated levels of arsenic in one area. The area was excavated and re-sampled. About 25.4 cubic yards of arsenic containing soil were disposed. Eight post excavation samples showed arsenic levels less than statewide health standards. The site will be developed into a new residential housing development. DEP approved the final report on Aug. 25, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Dawson Property

Southeast Region

Located in Phoenixville, this former commercial site underwent remediation for soil and groundwater contamination. The remediation involved the removal of four USTs, which had been taken out of service about 1975. Soil that was contaminated with leaded gasoline was also removed. The non-residential statewide health standard was attained. The site is currently vacant, but future plans include renovation of the property for commercial use. DEP approved the final report on April 7, 2000. Contact Kathy King, DEP, (610) 832-5924.

Chester County — Herzog Farm

Southeast Region

This soybean farm in Upper Uwchlan Township went through soil and groundwater remediation. The source of contamination was a trash pit containing 325 tons of solid waste. It was removed to attain the statewide health standard for soil and groundwater. The property will continue use as a soybean farm and residential property. DEP approved the final report on Aug. 30, 1999. Contact James Burke, DEP, (610) 832-6151.

Chester County — Kardon Park

Southeast Region

Located in Downingtown, this site underwent remediation for soil and groundwater contamination. A soil chemical analysis and a groundwater monitoring assessment indicated that the site achieved statewide health standards. The property will be used for recreation purposes and a portion of it will be converted into office space. DEP approved the final report on Aug. 2, 1999. Contact James Burke, DEP, (610) 832-6151.

Chester County — Keystone Financial Bank

Southeast Region

This bank in Kennett Square used to be the site of a retail gasoline facility until 1980. The property underwent remediation for soil and groundwater contamination associated with the old fueling property. Contaminated soil was removed and disposed. Post excavation tests revealed that the soil and groundwater met the residential statewide health standards. The property will function as a non-residential commercial banking facility. DEP approved the final report on Aug. 31, 1999. Contact Kathy King, DEP, (610) 832-5924.

Chester County — Mad Platter

Southeast Region

Located in West Chester Borough, this site is a retail store that underwent remediation for soil contamination. The cause of contamination was a heating oil spill in the basement. Remedial measures were taken to meet statewide health standards by removing the heating oil and cleaning the affected area. The site will exist as a retail business. DEP approved the final report on Sept. 1, 1999. Contact Kathy King, DEP, (610) 832-5924.

Chester County — PAEDCO Property

Southeast Region

This former Phoenix Steel Foundry site in Phoenixville underwent soil remediation for metals. The remediation of the project met the statewide health standard. Future plans for the property include renovation of the historic site, a shopping area, a visitor's center and a new SEPTA stop. DEP approved the final report on Aug. 17, 1999. Contact James Burke, DEP, (610) 832-6151.

Chester County — Schramm Inc.

Southeast Region

Located in West Goshen Township, this commercial property underwent remediation for groundwater contamination. Contaminants of concern were VOCs, which were migrating from another site. The source was located and the soils were remediated to statewide health standards. The site will continue as a commercial property. DEP approved the final report on Nov. 19, 1999. Contact James Burke, DEP, (610) 832-6151.

Chester County — Sears Paint and Hardware Store

Southeast Region

Located in East Marlborough Township, this 4.8-acre commercial property underwent remediation for soil contamination. This former gas station contained three areas of concern for contamination: a fuel oil UST, an oil seepage pit and an oil/water separator. About 582 cubic yards of petroleum-impacted soil were removed and disposed. The statewide health standard was attained, and the site will be redeveloped as a Sears Paint and Hardware store. DEP approved the final report on March 23, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Serena, Inc. (former O'Brien Machinery)

Southeast Region

This 17.7-acre parcel site in Downingtown Borough underwent remediation for soil and groundwater contamination. On the 10-acre parcel PCB contamination existed in and around the 250,000-square foot O'Brien Machinery building. The building was demolished and 1,396 tons of contaminated soils were disposed. Groundwater monitoring wells were installed. The statewide health standards were attained. On the 7.7-acre parcel, lead and arsenic tainted soils were the areas of concern. Soil samples showed compliance with the residential statewide health standard. The site will be redeveloped into a townhouse community. DEP approved the final report on Nov. 2, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Spinelli Estate

Southeast Region

This property in Tredyffrin Township used to function as a retail gasoline filling station. The site underwent remediation for soil contamination from its previous use. Five USTs, associated pipes and 358.68 tons of petroleum-contaminated soil were excavated and disposed. The site will continue to be used for commercial/non-residential use. The statewide health standard was attained, and DEP approved the final report on Nov. 16, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Sun Pipe Line Company

Southeast Region

Located in Upper Uwchlan Township, this 23-acre site underwent remediation for soil contamination. The property was used for bulk storage of home heating oil. Petroleum impacted soil was found when fifteen 80,000-gallon ASTs were dismantled. Remediation measures included the excavation and removal of 212 cubic yards of petroleum contaminated soil. The residential statewide health standard was attained, and the future use of the site will be a public park. DEP approved the final report on March 27, 2000. Contact Chris Falkler, DEP, (610) 832-5930.

Chester County — Unisys Downingtown Facility

Southeast Region

This property in Downingtown Borough has been the home of Unisys, manufacturer of printed circuit boards, since 1966. It underwent soil and groundwater remedia-

tion for metals and volatile organic compounds, which were stored in two underground waste vaults. The vaults were removed and post excavation testing showed that soil surrounding the vaults met statewide health standards, as did groundwater investigations. The site will remain used for non-residential and light industrial activities. DEP approved the final report on Oct. 12, 1999. Contact Kathy King, DEP, (610) 832-5924.

Chester County — Upper Nike Property - Horse Shoe Trail

Southeast Region

Located in Schuylkill and Tredyffrin Townships, this 17-acre site underwent remediation for soil contamination. The U.S. Army constructed the site in the 1950s as a communication battery, after which it was owned and operated by the University of Pennsylvania (1960s-1990s) as the Microwave Research Center. The source of contamination was a 1,500-gallon underground heating oil tank. The UST and 98 tons of contaminated soil were removed to attain the statewide health standard. The site will function as residential property in the future. DEP approved the final report on Dec. 16, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Whitford Corporation

Southeast Region

This 25-acre site in East Whiteland Township underwent remediation for soil contamination. Dichlorobenzene and VOCs were the contaminants of concern. About 560.91 tons of impacted soil were excavated and disposed. The statewide health standard was attained. The property will remain a commercial manufacturer of low-friction, nonstick, specialty coatings. DEP approved the final report on April 25, 2000. Contact Sarah Pantelidou, DEP, (610) 832-6164.

Clinton County — Lock Haven University

Northcentral Region

This property purchased by Lock Haven University from the Keystone Central School District went through soil remediation for metals. Prior to its use by the school district, this property was a tannery for more than 50 years. The school used the property for classrooms, greenhouses, woodworking shops and athletic fields. The source of contamination is unknown. The background standard was attained, and DEP approved the final report on July 7, 1999. Contact Randy Farmerie, DEP, (570) 327-3716.

Clinton County — U.S. Fish & Wildlife Service - Northeast Fishery Center

Northcentral Region

Located in Porter Township, this 124.9-acre property underwent remediation for soil contamination. Pipes at the fish raceways were removed and replaced, in the fall 1998. Asbestos lined some of the transit pipes and became friable during pipe removal. The asbestos contaminated the excavated soil around the work area. The complete excavation and off-site disposal of all asbestos impacted soils were the employed remediation methods. The background standard was attained, and DEP approved the final report on Feb. 10, 2000. Contact John Angevine, DEP, (570) 321-6594.

Columbia County — Region Oil

Northcentral Region

This 1.6-acre service station in Bloomsburg underwent remediation for soil contamination. Lead discharge from a garage sump drain was the contaminant of concern. About two tons of impacted soil were excavated and disposed at an off-site facility. The statewide health standard was attained, and DEP approved the final report on June 13, 2000. Contact Randy Farmerie, DEP, (570) 327-3716.

Crawford County — Crawford County Properties, Inc.

Northwest Region

This 27-acre former warehouse in Meadville underwent remediation for soil contamination. The contaminant of concern was lead. An estimated cubic yard of soil was removed and disposed to attain the statewide health standard in a special industrial area. The site is vacant, but may be re-used as a warehouse. DEP approved the final report on May 15, 2000. Contact Bob Voegelé, DEP, (814) 332-6824.

Cumberland County — PPL Electric Utilities Corp.

Southcentral Region

Three pole sites underwent remediation for soil contamination. The contaminants of concern were residual PCBs caused by past transformer malfunctions. The statewide health standard was attained for all sites. Contact Jim Rea, DEP, (717) 705-4850.

Dauphin County — Olivetti Supplies, Inc.

Southcentral Region

Located in Susquehanna Township, this 110-acre site underwent remediation for soil and groundwater contamination. A VOC plume was the contaminant of concern for a 7.5-acre area. Groundwater treatment and soil vapor extraction were the remediation methods employed. The statewide health standard was attained. The site is being redeveloped for commercial purposes, including an AMP/Tyco office space. DEP approved the final report on Oct. 28, 1999. Contact Manuel Nzambi, DEP, (717) 705-4839.

Dauphin County — PPL Electric Utilities Corp.

Southcentral Region

Two pole sites underwent remediation for soil contamination. PCBs were the contaminants of concern. Past transformer malfunctions were the cause of this contamination. The statewide health standard was attained for both sites. Contact Jim Rea, DEP, (717) 705-4850.

Dauphin County — PPL Electric Utilities Corp. - Sand Hill Substation

Southcentral Region

Located in Derry Township, this site underwent remediation for soil contamination. PCB oil was the contaminant of concern. Soil samples met the statewide health standard. DEP approved the final report on Nov. 4, 1999. Contact Jim Rea, DEP, (717) 705-4850.

Dauphin County — Super Rite Foods, Inc. (Rich Foods)

Southcentral Region

Located in Harrisburg, this site underwent remediation for soil contamination. Buried crushed drums and lead-contaminated soil were found during construction efforts. Excavated soils were stabilized for off-site disposal. The statewide health standard was attained, and DEP approved the final report on Sept. 30, 1999. Contact John Clarke, DEP, (717) 705-4851.

Delaware County — Eddystone Crossing**Southeast Borough**

Located in Eddystone Borough, this 24-acre site underwent remediation for soil and groundwater contamination. Areas of concern included two USTs, which were excavated in 1990, and lead and naphthalene from former manufacturing processes. Soil investigations involved 132 borings and 50 test pits. Groundwater was tested through sampling of three monitoring wells. The site-specific standard and the non-use aquifer health standard were attained. The site will be developed into a shopping center. DEP approved the final report on Feb. 2, 2000. Contact Walter Payne, DEP, (610) 832-5928.

Delaware County — Heritage Nissan**Southeast Region**

Located in Newtown Township, this site underwent remediation for soil contamination. The area of concern was an oil-water separator that contaminated surrounding soils. Cleanup included the excavation and disposal of 541.64 tons of petroleum contaminated soil. The non-residential statewide health standard was attained, and DEP approved the final report on March 7, 2000. Contact Walter Payne, DEP, (610) 832-5928.

Delaware County — Norquay Technology, Inc. - Riverbridge Industrial Park**Southeast Region**

Located in the City of Chester and in a special industrial area, this site underwent remediation for soil contamination. The area of concern was a former waste pit, which contained three drums of lead-contaminated debris. Contractors removed the drums and excavated the waste pit. The statewide health standard was attained, and the site will continue as an industrial facility. DEP approved the final report on May 22, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Delaware County — Speedy Muffler King**Southeast Region**

This site in the City of Chester operated as an automotive repair shop and underwent remediation for soil and groundwater contamination. The contamination occurred in 1984 when an adjacent property released kerosene. Natural attenuation was the remediation method used to attain the site-specific standard. The site will be used for commercial purposes. DEP approved the final report on August 6, 1999. Contact James Burke, DEP, (610) 832-6151.

Delaware County — Stienmacher Residence**Southeast Region**

Located in Upper Chichester Township, this 0.21-acre site underwent remediation for soil contamination. Contamination occurred during a routine home-heating oil delivery when 25-gallons of fuel spilled onto the driveway. Remediation efforts included the excavation and proper disposal of 40 yards of asphalt and the sub-base. The statewide health standard was attained, and DEP approved the final report on Feb. 28, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Delaware County — Witco Corporation**Southeast Region**

Located in Trainer Borough, this site functioned as an industrial facility, which contaminated the soil and groundwater with regulated substances: primarily VOCs, base neutrals, petroleum hydrocarbons and metals. Remediation included the removal of four abandoned hydraulic lifts. The statewide health standards were attained, and the future use of the property will be industrial. DEP approved the final report on July 21, 1999. Contact Walter Payne, DEP, (610) 832-5928.

Indiana County — CKE Rectifier Division**Southwest Region**

This 2.2-acre property in White Township underwent remediation for shallow soil contamination. A site assessment discovered cadmium, selenium and lead at levels above the statewide health standards. Lead also was found 1.2 feet within the fenced and locked transformer yard. Further investigation found that surface runoff and erosion of the fill led contaminants to the base of these slopes and the wetlands. Remediation consisted of the excavation and removal of contaminated shallow soils. Six inches of gravel was placed over the transformer yard, which will remain fenced and locked as an institutional control. The site-specific standard for soils was attained. DEP approved the final report on Dec. 14, 1999. Contact Ed Bates, DEP, (724) 925-5405.

Jefferson County — GPU

Northwest Region

This 1.5-acre site in Punxsutawney underwent remediation for soil and groundwater contamination. In 1996, two monitoring wells were installed. During installation of a third well, hydrocarbon contamination was discovered. An unregistered steel 2,000-gallon tank was discovered as the source of contamination. The tank, plus 238.31 tons of lead-impacted soil, cement and sand slurry were removed and disposed. The groundwater met the statewide health standard, and the soil met the site-specific standard. The property will continue to be used for district operations. DEP approved the final report on April 13, 2000. Contact Marilee Hylant, DEP, (814) 332-6694.

Lackawanna County — Carbondale Railroad Yards

Northeast Region

This 107-acre special industrial area underwent remediation for soil contamination. The property was used as a roundhouse, sawmill, miner home, anthracite coal yard, railroad yard, and most recently, a railroad car repair. The contaminants of concern were PHC and PAH. Petroleum contaminated soil was removed to attain the site-specific standard. The Carbondale Industrial Development Authority owns the site. S.J. Bailey & Sons, a furniture manufacturing plant, was recently constructed on 20-acres of the property. DEP approved the final report on Dec. 22, 1999. Contact Gerry Olenick, DEP, (570) 826-2511.

Lackawanna County — PPL Electric Utilities Corp. - Northern Division Service Center

Northeast Region

Located in Dunmore Borough, this site underwent remediation for soil contamination. Petroleum hydrocarbon from hydraulic lifts contaminated the underlying soil of this vehicle maintenance area. Soil excavation and off-site disposal were the employed remediation methods. The statewide health standard was attained, and DEP approved the final report on Aug. 9, 1999. Contact Gerry Olenick, DEP, (570) 826-2511.

Lackawanna County — PPL Electric Utilities Corp.

Northeast Region

One pole site in Lackawanna County underwent remediation for soil contamination. The contaminants were residual PCBs from past transformer malfunctions. The soil remediation effort attained the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2511.

Lancaster County — CBS Playskool Facility

Southcentral Region

This East Lampeter Township property underwent remediation for soil and groundwater contamination. Heavy metals and VOCs were the contaminants of concern. A site-specific standard was attained to facilitate a Buyer/Seller Agreement. The Dart Container Corporation will buy and reuse the property. DEP approved the final report on Oct. 25, 1999. Contact Scott Cox, DEP, (717) 783-7995.

Lancaster County — Golden Triangle Shopping Center

Southcentral Region

This Manheim Township 30-acre site underwent remediation for soil and groundwater contamination. BTEX compounds were the contaminants of concern. About 1,900 cubic yards of contaminated soil were excavated and disposed. The statewide health standard for soil and the site-specific standard for groundwater were both attained. This former gas station will be used as part of a shopping mall. DEP approved the final report on Oct. 1, 1999. Contact Steve Shank, DEP, (717) 705-4841.

Lancaster County — Internet Site

Southcentral Region

Located in East Hempfield Township, this 18.6-acre site underwent remediation for soil and groundwater contamination. Former waste management practices contaminated groundwater with BTEX and metals, and soils with metals and PAHs. This former ductile iron foundry will become the Lancaster County Emergency Management Training Facility. A site-specific standard for groundwater was attained, and DEP approved the final report on March 29, 2000. Attainment of the site-specific standard for soil will be accomplished as part of the redevelopment project. Contact John Clarke, DEP, (717) 705-4851.

Lancaster County — Lancaster Dodge**Southcentral Region**

Located in Manheim Township, this four-acre site underwent remediation for soil and groundwater contamination. The contaminants of concern were BTEX and PAH. Bioventing and soil vapor extraction were the remediation efforts employed. Statewide health standards were attained to facilitate the sale of this property. The site will remain used as an auto dealership. DEP approved the final report on Sept. 15, 1999. Contact John Clarke, DEP, (717) 705-4851.

**Lebanon County —
Ladd Hanford Used Auto Corral****Southcentral Region**

This two-acre site in North Lebanon Township underwent remediation for soil and groundwater contamination. Petroleum products were the contaminants of concern. Contaminated soil from one acre of the property was excavated and disposed. The statewide health standard for soil and a site-specific standard for groundwater were both attained. The property will continue its use as a used auto facility. DEP approved the final report on Jan. 20, 2000. Contact Steve Shank, DEP, (717) 705-4841.

Lebanon County — Pennfield Farms**Southcentral Region**

Located in Bethel Township, this poultry-processing site underwent remediation for soil contamination. A sulfuric-acid spill was the cause of the contamination. About 50-square feet of impacted soil were excavated and disposed. The site-specific standard was attained, and DEP approved the final report on Jan. 28, 2000. Contact Steve Shank, DEP, (717) 705-4841.

Lehigh County — Lafarge Corporation**Northeast Region**

Located in Whitehall Township, this property underwent remediation for soil contamination. The site was contaminated when No. 2 fuel oil was accidentally released during a delivery. Soil excavation and disposal were the remediation efforts used to meet the statewide health standard. DEP approved the final report on Dec. 8, 1999. Contact Ron Brezinski, DEP, (570) 826-2324.

Lehigh County — PPL Electric Utilities Corp.**Northeast Region**

Ten pole sites in Lehigh County underwent remediation for soil contamination this year. The contaminants were residual PCBs from past transformer malfunctions. Remediation efforts met the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2511.

Lehigh County — Reichard Residence**Northeast Region**

Located in Whitehall Township, this residential home went through remediation efforts to clean up 195 gallons of No. 2 heating oil. The fuel was released when an oil tank in the home's basement ruptured due to over pressurization during a fuel oil delivery. Soil excavation was the remediation method employed to attain the statewide health standard. DEP approved the final report on April 6, 2000. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Luzerne County —**Luciw Farm Site - Sun Pipeline Spill****Northeast Region**

Located in Salem Township, this site underwent soil excavation and disposal within 90 days of an accidental release of petroleum products along this pipeline right-of-way. These remediation efforts met the statewide health standard, and DEP approved the final report on Nov. 17, 1999. Contact Gerry Olenick, DEP, (570) 826-2511.

Luzerne County — PPL Electric Utilities Corp.**Northeast Region**

Four pole sites underwent remediation for soil contamination this year in Luzerne County. The contaminants were residual PCBs from past transformer malfunctions. Remediation efforts met the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2511.

Lycoming County — Anchor Darling Valve (former)

Northcentral Region

Located in Williamsport, this 6.5-acre site underwent remediation for soil and groundwater contamination. Lead and solvents were the contaminants found underneath a power plant at this former manufacturing site. A non-use aquifer survey was completed to ensure there were no users of groundwater in the area. A background release for groundwater was obtained and soil samples met the statewide health standards. DEP approved the final report on Jan. 18, 2000. Contact Randy Farmerie, DEP, (570) 327-3716.

Lycoming County — Andritz Sprout Bauer

Northcentral Region

Located in Muncy Creek Township, this current manufacturing plant went through remediation efforts for soil and groundwater contamination. Areas of environmental concern were found in the die cell, the former drum storage area and several former UST locations. More than 14,000 cubic yards of oil-contaminated material were removed from the die cell area in 1997. Additional soil was removed from the former drum storage area and tank areas. All nearby residences were connected to the municipal water system to eliminate any potential exposure to contaminated groundwater. Statewide health and site-specific standards were attained. DEP approved the final report on Oct. 14, 1999. Contact Randy Farmerie, DEP, (570) 327-3716.

Lycoming County — Stroehmann Bakeries Roll Plant

Northcentral Region

This manufacturing site in Old Lycoming Township underwent remediation for soil and groundwater contamination. The plant, operating since the 1960s, had three contaminants of concern: heating oil, diesel fuel and used motor oil. Remediation measures consisted of removing and disposing 1,020 tons of impacted soil with associated tanks and pipes. The statewide health standard was attained, and the property will continue to manufacture baked goods. DEP approved the final report on Aug. 5, 1999. Contact Dennis Fritz, DEP, (570) 327-3566.

Mercer County — Duferco Farrell Corp.

Northwest Region

Located in the city of Farrell, this 104-acre special industrial site underwent remediation for soil contamination. The property is a portion of the 1,000-acre Sharon Steel Corporation. The sources of contamination included

various spills and slag fill material. About 9,000 cubic yards of contaminated soil were remediated to attain statewide health standards. The site will continue to manufacture rolled steel products. DEP approved the final report on April 28, 2000. Contact Bob Voegelé, DEP, (814) 332-6824.

Mercer County — Nicholas Cianci/Greenville Outparcels

Northwest Region

The Nicholas Cianci property in Greenville underwent remediation for soil and groundwater contamination. This former gas station had leaded and unleaded fuel-contaminated soil around the old tank and dispenser area. About 499.74 tons of fuel-impacted soils were removed from an area less than 3,000 cubic yards. Groundwater at the boundary property never exceeded the statewide health standard. The property will be re-used as a Wal-Mart Plaza. DEP approved the final report on Oct. 13, 1999. Contact Marilee Hylant, DEP, (814) 332-6694.

Montgomery County — 102 Bala Avenue (former service station)

Southeast Region

This Lower Merion Township property underwent remediation for soil contamination associated with a former service station on the site. Twelve soil boring locations were selected and 16 soil samples were collected and analyzed for leaded gas and waste oil constituents. The statewide health standards was attained. This site recently existed as a dentist's office with parking and is now pending sale. DEP approved the final report on Sept. 29, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Domino Salvage Inc./ United States Postal Service

Southeast Region

Located in Plymouth Township, a three-acre portion of this site underwent remediation for groundwater contamination. A fuel spill of about 100,000-gallons occurred on a property east of the Domino Salvage site in 1981. Recovery operations have been underway since the spill. Thirty-nine thousand-gallons of oil have been recovered. Remnants of the spill were found in Domino's groundwater. Monitoring and recovery wells were installed and an established background standard has been attained. Recovery wells will continue to operate, and the property will be developed by the United States Postal Service. DEP approved the final report on Jan. 31, 2000. Contact Thomas Canigiani, DEP, (610) 832-5926.

Montgomery County — Elf Atochem North America, Inc.

Southeast Region

Located in Upper Merion Township, this site underwent soil remediation. During the expansion of the technical center, buried materials were encountered. Soil samples from the excavation were found in compliance with the statewide health standards. The technical center will continue to operate for Elf Atochem. DEP approved the final report on July 14, 1999. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — Five Tower Bridge

Southeast Region

Located in West Conshohocken, this 9.25-acre site underwent remediation for soil and groundwater contamination. Soil samples from the former sump/septic tank area attained the non-residential statewide health standards. Six monitoring wells were installed. The groundwater attained the non-use aquifer statewide health standard. The site will be part of a large redevelopment project involving four, vacant, industrial tracts. Commercial use of the property includes office buildings, a shopping district, a parking garage, boathouses, a restaurant and residential housing. DEP approved the final report on Oct. 21, 1999. Contact Robert Day-Lewis, DEP, (610) 832-5915.

Montgomery County — Ford Electronics & Refrigeration

Southeast Region

This 36-acre site in Lansdale Borough underwent remediation for soil contamination associated with former industrial activities. Remedial efforts included the excavation and disposal of 25,000 tons of non-hazardous soil and 4,000 tons of hazardous soil. The site is scheduled to undergo renovation. The statewide health standard was attained, and DEP approved the final report Sept. 13, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Horsley's Automotive Service Center (former)

Southeast Region

This Narberth Borough property operated as a gas station and repair center and discontinued its activities prior to 1995. Remediation conducted at the 1.6-acre property from 1982 to 1995, consisted of the removal and proper disposal of 10 USTs along with 1,144 tons of petroleum contami-

nated soils. Another 142 tons of hazardous cistern materials were removed. The remediation efforts met the statewide health standards, and DEP approved the final report on March 23, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Jeffersonville Shopping Center

Southeast Region

This commercial shopping center underwent remediation for soil contamination. The contaminants of concern were TCE and PCE from a dry cleaning business. Remediation included the removal and disposal of 73.3 cubic yards of soil. The non-residential statewide health standard was attained, and the property will remain a shopping center. DEP approved the final report on June 13, 2000. Contact Chris Falkler, DEP, (610) 832-5930.

Montgomery County — L.B. Smith Property

Southeast Region

Located in Plymouth Township, this site underwent remediation for soil and groundwater contamination. The contaminants of concern were asbestos material (ACM) in the soils. Contamination was the result of the historic disposal of ACM wastes into old quarries. Remediation included the immobilization and containment of the ACM with a geotextile membrane. Clean soil was later applied to the site. A combination of statewide health and site-specific standards was attained. The site will be developed into a commercial facility. DEP approved the final report on April 18, 2000. Contact Pamela Reigh, DEP, (610) 832-5928.

Montgomery County — Moreland Business Park

Southeast Region

Located in Lower Moreland Township, this undeveloped 4.5-acre site underwent remediation for soil contamination. The area of concern was a large portion of the site that was previously filled with soil and construction debris. All soil samples showed that they met the residential statewide health standards. The site will be developed for commercial purposes. DEP approved the final report on Feb. 3, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Santoni Residence

Southeast Region

This half-acre private residence underwent remediation for soil contamination. A 275-gallon AST fell over and damaged the supply line after a fuel delivery. About 200 gallons of fuel were released to the concrete floor below. An estimated 300 gallons of oil and water were recovered with a vacuum truck. The storage tank was replaced and the statewide health standard was met. DEP approved the final report on June 9, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Saylor Property (former service station)

Southeast Region

Located in Horsham Township, this .21-acre former service station site underwent remediation for soil contamination. The property contained three USTs that caused petroleum contamination of the surrounding soil. The tanks and 826.31 tons of contaminated soil were excavated and disposed. The statewide health standard was attained, and the site will continue to operate as an automotive service center. DEP approved the final report on Dec. 27, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Spring Mill Estates

Southeast Region

This 24-acre former fruit orchard underwent remediation for soil contamination. The contaminants were fertilizing chemicals, like Dieldrin. Contaminated soil amounting to 15.85 tons were removed and disposed to attain the statewide health standard. The site will be redeveloped into a housing community. DEP approved the final report on Nov. 16, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — VICAM Corp./Home Mart Garden Center

Southeast Region

Located in Upper Providence Township, this 2.61-acre site underwent remediation for soil contamination. The property was originally used as a coal yard, and now operates as a home and garden center. The area of concern was a UST used as the gasoline source for coal delivery trucks. Remediation efforts included the removal of the tank and its associated piping. The non-residential statewide health standard was attained, and the site will continue to be used as a home and garden center. DEP approved the final report on March 17, 2000. Contact Chris Falkler, DEP, (610) 832-5930.

Northampton County — Bahr Residence

Northeast Region

This Bushkill Township residence underwent remediation for soil contamination. Petroleum products were released due to a leaking hydraulic line in a delivery truck. Impacted soil and grass of about 18 square feet had to be excavated and disposed. The remediation efforts met the statewide health standard, and DEP approved the final report on Dec. 31, 1999. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Northampton County — Behrens Property

Northeast Region

Located in Bethlehem, this property underwent remediation for soil contamination. On Aug. 19, 1997, a spill of 25 to 50 gallons of No. 2 fuel oil occurred during a home heating oil delivery. A hole in the oil tank was the reason for the release. The statewide health standard was attained. DEP approved the final report on Oct. 20, 1999. Contact Tom Hartnett, DEP, (570) 826-5548.

Northampton County — Bendzlowicz Property

Northeast Region

This residential property located in East Allen Township underwent remediation for soil contamination. A fire was responsible for releasing heating oil from the home. Bioventing was employed to capture the contaminants BTEX, PHC and PAH, and to attain the statewide health standard. DEP approved the final report July 16, 1999. Contact Kevin Walker, DEP, (570) 820-4856.

Northampton County — PPL Electric Utilities Corp.

Northeast Region

Six pole sites in Northampton County went through remediation efforts for soil contamination. Residual PCBs from previous transformer malfunctions were the contaminants. The soil was remediated to meet the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2511.

Northumberland County — PPL Electric Utilities Corp.

Northcentral Region

One pole site underwent remediation for soil contamination. The contaminants were residual PCBs from a capacitor malfunction. About 19 tons of soil were affected. The statewide health standard was attained. Contact Vu Tran, DEP, (570) 327-3721.

Northumberland County — St. Louis De Montford Academy

Northcentral Region

Located in Herndon Borough, this one-acre site underwent remediation for soil contamination. An estimated 50 gallons of kerosene were released from an overturned plastic drum behind this teaching facility. About 52 tons of impacted soil were excavated and disposed. The statewide health standard was attained, and DEP approved the final report on April 10, 2000. Contact Vu Tran, DEP, (570) 327-3721.

Philadelphia County — 7500 State Road

Southeast Region

This property in Philadelphia underwent groundwater remediation for pollutants associated with fuel oil. A transport exercise determined that the contaminants posed no threat to the Delaware River or to a groundwater plume 2800 feet away. Site-specific standards were attained, and DEP approved the final report on July 26, 1999. Contact James Burke, DEP, (610) 832-6151.

Philadelphia County — Action Arms Ltd.

Southeast Region

This two-acre site, formerly known as Action Arms Ltd., underwent remediation for soil and groundwater contamination. The areas of concern were a 2,000-gallon UST used for heating oil and the loading dock where an oil spill occurred. The tank and contaminated soil around the tank and loading dock area were removed and disposed to attain the site-specific standard. The site will continue to exist for commercial purposes. DEP approved the final report on Aug. 12, 1999. Contact Ayman Ghobrial, DEP, (610) 832-5923.

Philadelphia County — Baxter Residence

Southeast Region

Located on Broad Street, Philadelphia, this site underwent remediation for soil contamination. A 230-gallon home heating oil storage tank released petroleum into the base-

ment. About 375 gallons of fuel oil were recovered. The tank and the basement floor were removed to attain the statewide health standard. The floor was re-concreted and the site will continue to function as a residence. DEP approved the final report on March 10, 2000. Contact Chris Falkler, DEP, (610) 832-5930.

Philadelphia County — Canada Dry Bottling Plant (former)

Southeast Region

Located on Whitaker Avenue, this five-acre site underwent groundwater investigation. The property underwent soil remediation in 1998. Due to pending redevelopment, sampling events for groundwater took place at the site in 1999. Results from the sampling showed compliance with statewide, non-use aquifer health standards. The property will be redeveloped into a commercial facility. DEP approved the final report on June 26, 2000. Contact Bruce McClain, DEP, (610) 832-6172.

Philadelphia County — Cannon-Sline

Southeast Region

This commercial site on Woodland Avenue underwent remediation for soil and groundwater contamination. Areas of concern included one fuel oil UST, two gasoline USTs, and their associated piping. Soil samples were taken and five monitoring wells were installed. The investigation found that the statewide health standards for soil and groundwater were attained. The property will remain industrial in nature. DEP approved the final report on March 20, 2000. Contact George Fritz, DEP, (610) 832-5925.

Philadelphia County — Clinton Parking Facility

Southeast Region

Located on 11th Street in Philadelphia, this parking garage underwent remediation for soil contamination. Prior to 1980, the site was an automotive service center. Five USTs, piping and a hydraulic cylinder were found on the property. One 1000-gallon tank still contained gasoline. This tank was properly registered and cleaned, and the connecting fuel lines were removed, along with 65 yards of contaminated soil. The area was then backfilled and repaved after the residential statewide health standards were attained. The site will continue to function as a parking garage. DEP approved the final report on Aug. 27, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Philadelphia County — Connelly Paper Mill, Inc. (former)

Southeast Region

Located in Philadelphia, this 3.2-acre site underwent remediation for soil and groundwater contamination. Used as a paper mill since 1955, the property has been inactive for three years. The sources of contamination were two 15,000-gallon heating oil tanks and one kerosene UST. The tanks were removed along with contaminated soil and petroleum free product. The non-use aquifer statewide health standard was attained, and future residential and commercial uses are proposed for this site. DEP approved the final report on Dec. 16, 1999. Contact Ayman Ghobrial, DEP, (610) 832-5923.

Philadelphia County — F.P. Woll & Company

Southeast Region

Located in Northeast Philadelphia, this site underwent remediation for soil and groundwater contamination. Soil samples were collected and analyzed for VOCs, metals and PCBs. The former UST area was analyzed for petroleum related contaminants. Results of the analysis showed that the soil and groundwater on the property attained statewide health standards. The site will remain industrial as the F.P. Woll & Company. DEP approved the final report on Feb. 17, 2000. Contact Sarah Pantelidou, DEP, (610) 832-6164.

Philadelphia County — Greenway Court Apartments

Southeast Region

Located in Philadelphia, this five-acre property underwent remediation for petroleum-contaminated soil and groundwater. Apartment buildings were developed on this site in 1935. A UST was removed in 1997, after which time petroleum impacted soils were discovered. About 213.54 tons of soil were removed and monitoring wells were installed to remediate the groundwater. The site-specific standard was attained, and the site will continue to function as a residential housing complex. DEP approved the final report on Sept. 22, 1999. Contact Ayman Ghobrial, DEP, (610) 832-5923.

Philadelphia County — Heintz Corporation (former) - Parcel A

Southeast Region

Located in Northeast Philadelphia, this 36-acre site underwent remediation for soil and groundwater contamination. Areas of concern were eight USTs and the soil surrounding them. Remediation measures included the removal of all tanks and surrounding soil to attain the statewide health standard. Groundwater was also remediated to meet site-specific standards. The site, formerly a manufacturer of aircraft parts, will be redeveloped into a commercial facility. DEP approved the final report on Feb. 14, 2000. Contact Ayman Ghobrial, DEP, (610) 832-5923.

Philadelphia County — Hyman Korman Company

Southeast Region

Located in Philadelphia, this site underwent remediation for soil contamination surrounding a 2,000-gallon gasoline UST. The tank and surrounding soils were removed to attain the statewide health standard. Future plans for the site include the construction of a residential housing development. DEP approved the final report on Sept. 14, 1999. Contact George Fritz, DEP, (610) 832-5925.

Philadelphia County — Major Oil Company

Southeast Region

This commercial site in Philadelphia is home to a bulk heating-oil company and underwent remediation for soil contamination after a release of heating oil. Contaminated soil was removed and nine monitoring wells were installed. The statewide health standard for soil was attained. After two years of monitoring, the groundwater met the statewide health standard. The site will remain a heating oil storage and marketing facility. DEP approved the final report on Sept. 29, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Philadelphia County — O'Brien Residence

Southeast Region

Located on Longshore Avenue, this residential site underwent soil and groundwater remediation. An AST released fuel oil into the basement of this home, contaminating the soil. About 580 square feet of soil were impacted. Results from eight soil borings indicated that contamination levels attained the statewide health standard. DEP approved the final report on June 12, 2000. Contact Chris Falkler, DEP, (610) 832-5930.

Philadelphia County — Pennypack Shopping Center

Southeast Region

Located in Northeast Philadelphia, this site underwent remediation for soil and groundwater contamination. Contaminants of concern were cleaning solvents used by a dry cleaning operation. Remediation measures included the removal and disposal of impacted soils and a two-year monitoring period for groundwater. The statewide health standard for groundwater and the site-specific standard for soil were attained. DEP approved the final report on Feb. 7, 2000. Contact Sarah Pantelidou, DEP, (610) 832-6164.

Philadelphia/Montgomery Counties — Transit America, Inc.

Southeast Region

This 214-acre site underwent remediation for soil and groundwater contamination. The site was a former automotive parts and railcar manufacturer that has been closed for 11 years. Previous remedial activities included: the decontamination of asbestos in buildings, soil vapor extraction, removal and proper disposal of contaminated soil, and the extraction, treatment and re-injection of groundwater. Remedial activities include removal and disposal of contaminated soil, demolition of former manufacturing buildings and recycling of demolition debris, and continued monitoring of groundwater. The site-specific standard was attained. The future use of the site will be an 18-hole public golf course, a retail golf store and a driving range. DEP approved the final report on Dec. 17, 1999. Contact Sarah Pantelidou, DEP, (610) 832-6164.

Philadelphia County — Van Waters and Rogers, Inc.

Southeast Region

Located in Philadelphia, this site underwent remediation for soil and groundwater contamination. The contaminants of concern were solvents and petroleum products from a former chemical repackaging and distribution facility on the site. A combination of statewide and site-specific standards was attained. The proposed future use of the property will be the Philadelphia Airport Runway Expansion Project. DEP approved the final report on Sept. 15, 1999. Contact George R. Fritz, Jr., DEP, (610) 832-5925.

Philadelphia County — Wallingford Apartments

Southeast Region

This apartment complex underwent remediation for soil contamination. A heating oil UST was the reason for the investigation. Results from eight samples achieved the residential statewide standard. The site will continue to function as an apartment complex. DEP approved the final report on June 14, 2000. Contact Alex Reyda, DEP, (610) 832-5927.

Philadelphia County — Walt Whitman Shopping Plaza

Southeast Region

Located in South Philadelphia, this site underwent remediation for groundwater contamination. The site, which now exists as a shopping center, formerly functioned as a municipal dump, auto-wrecking operation and a mill. The groundwater study consisted of installing five monitoring wells 20 feet below the surface. After eight sampling periods, the groundwater attained the statewide health standard. The site remains used for commercial purposes. DEP approved the final report on July 2, 1999. Contact James Burke, DEP, (610) 832-6151.

Pike County — Helfrich Residence

Northeast Region

Located in Palmyra Township, this residence underwent remediation for soil contamination. The contaminants were petroleum products from home heating oil that leaked into the basement and surrounding soil. The statewide health standard was attained, and DEP approved the final report on July 27, 1999. Contact Cydney Faul-Halsor, DEP, (570) 826-2511.

Pike County — PPL Electric Utilities Corp.

Northeast Region

Two pole sites in Pike County went through remediation from soil contamination. The contaminants were residual PCBs from past transformer malfunctions. The statewide health standard was attained by the soil remediation efforts. Contact Gerry Olenick, DEP, (570) 826-2511.

Potter County — Ziegenfus Property

Northcentral Region

This camping facility located in West Branch Township underwent soil remediation. An estimated 40 gallons of kerosene were released from an AST on Feb. 14, 1998. About 21 tons of impacted soil were excavated and disposed. Site investigation and analytical results showed that the statewide health standard had been met. DEP approved the final report on Oct. 7, 1999. Contact Vu Tran, DEP, (570) 327-3721.

Schuylkill County — Hart Metals

Northeast Region

Located in Tamaqua Borough, this metal powder fabrication facility underwent remediation for the contamination of soil, groundwater and an adjacent creek. The contaminants on this site included metals, solvents, BTEX constituents, PHCs and PAHs. The statewide health standard was attained. DEP approved the final report on April 6, 2000. Contact Cydney Faul-Halsor, DEP, (570) 826-2511.

Schuylkill County — PPL Electric Utilities Corp.

Northeast Region

Two pole sites underwent remediation for soil contamination in Schuylkill County. The contaminants were residual PCBs from past transformer malfunctions. Remediation efforts met the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2511.

Tioga County — Growth Resources of Wellsboro Foundation (GROW)

Northcentral Region

The Corning Railroad yard in Delmar Township underwent remediation for soil contamination after a railroad accident. About 40 gallons of diesel fuel leaked from the transport drums onto the track ballast and underlying soil. About 15.78 tons of soil/ballast were removed to maintain the statewide health standard. DEP approved the final report on March 14, 2000. Contact Dennis C. Wolfe, DEP, (570) 327-3704.

Union County — Penn Fuel Gas, Inc.

Northcentral Region

This former coal gasification plant located in Lewisburg Borough underwent remediation for soil, groundwater and sediment contamination. The 1.25-acre site operated, from 1922 to 1960. An in-ground gasholder was cleaned out during 1993, and included the removal of about 1,100 tons of blended kiln dust/coal tar. The holder was decontaminated and backfilled in place. In 1994, a clay cover was placed over the site to eliminate any direct contact threats. Recovery efforts initiated in 1995, removed about 40 gallons of DNAPL from the aquifer. Institutional controls in the form of deed restrictions will be implemented to restrict the future use of the site. The site-specific standard was attained, and DEP approved the final report on March 2, 2000. Contact Dennis C. Wolfe, DEP, (570) 327-3704.

Warren County — National Forge - AOC-7

Northwest Region

This vertically integrated steel mill underwent remediation for soil and groundwater contamination. The contaminants of concern were metals, lead, mercury and vanadium. In one area, 126 cubic yards of lead and mercury impacted soil were removed. In another area, 91 cubic yards of vanadium-impacted soil were removed. Remediation efforts attained the statewide health standards. All monitoring wells also attained the statewide health standards. DEP approved the final report on July 3, 1999. Contact Marilee Hylant, DEP, (814) 332-6694.

Washington County — Charles Pleska Residence

Southwest Region

This residence, located in Jefferson Township, underwent remediation for soil and groundwater contamination. A release of No. 2 heating oil was observed, on Dec. 6, 1998, from a faulty oil filter associated with two 275-gallon ASTs on the property. About 36 cubic yards of petroleum-impacted soil were excavated and removed for off-site disposal. Sample soils were found to attain the statewide health standard. A new drinking water well was drilled in January 1999, at 180-feet up gradient of the release area. The remediation efforts met drinking water standards, and DEP approved the final report on Jan. 14, 2000. Contact Ed Bates, DEP, (724) 925-5405.

Washington County — Columbia Gas Transmission

Southwest Region

Located in South Strabane Township, this site underwent remediation for soil contamination. The contaminant of concern was benzo(A)pyrene found in a drainage channel outside the property fence and adjacent to a residence. In August 1999, five acres of the site were remediated to statewide health standards except for the drainage area. About 70 cubic feet of contaminated soil were excavated and disposed to attain the residential statewide health standard for the benzo(A)pyrene. DEP approved the final report on Sept. 27, 1999. Contact Charles Johnson, DEP, (412) 442-4154.

Washington County — Mon Valley Lincoln Mercury Dealership

Southwest Region

Located in the City of Monongahela, this 0.6-acre site of a former car dealership underwent remediation for soil and groundwater contamination. Between 1993 and 1996, the owner removed three USTs and three hydraulic lifts. While 734 tons of impacted soil were excavated and disposed off site, a 300-square-foot lens of contaminated soil remains onsite. Further excavation was restricted due to a building and utilities. Benzene is the only contaminant of concern at the site. The final report demonstrated that the small and stable contamination plume is limited to the upgradient portion of the property. A site-specific standard for benzene was attained, and the property has been capped to eliminate direct contamination contact. DEP approved the final report on Sept. 22, 1999. Contact Ed Gursky, DEP, (412) 442-4083.

Westmoreland County — Bell Atlantic PA - Youngwood Material Reclamation Center

Southwest Region

Located in Youngwood, this site underwent remediation for soil and groundwater contamination. Initial investigations date back to 1987, when lead was found in the surface soils as a result of a lead sheath cable. Contaminated areas were remediated in 1992, and more were remediated in 1998, by excavation and off-site disposal. Groundwater investigated in 1992 and 1998, was not contaminated. The remedial efforts attained the statewide health standard, and DEP approved the final report on July 22, 1999. Contact Ed Bates, DEP, (724) 925-5405.

Westmoreland County — Bushy Run Research Center

Southwest Region

Located in Penn Township, this facility underwent remediation for soil contamination. During Phase 1 there was suspicion that uranium ore was buried at this site. Further investigation could not verify this report, so the release of liability does not include uranium ore. The statewide health standard was attained, but it does not include vanadium. Vanadium was never released at this site and the levels, which exceed the SHS, represent background conditions. DEP approved the final report on Oct. 14, 1999. Contact Ed Bates, DEP, (724) 925-5405.

York County — Caterpillar Tractor, Inc.

Southcentral Region

Located in Springettsbury Township, this 127-acre site underwent remediation for soil contamination. Heavy metals and lead were the contaminants of concern. The site-specific standard was attained. The investigation will facilitate the sale of this property. The property will continue its use as an industrial/commercial site. DEP approved the final report on March 16, 2000. Contact Manuel Nzambi, DEP, (717) 705-4839.

York County — Defense Distribution Depot - SWMU No. 37 RCRA Storage Area

Southcentral Region

Located in Fairview Township, this quarter-acre parcel site underwent remediation for soil contamination. The contaminants of concern were lead and heavy metals. About 3,000-square feet of impacted soils and waste were removed from this hazardous waste storage facility. The non-residential statewide health standard was attained, and DEP approved the final report on Oct. 13, 1999. Contact John Clarke, DEP, (717) 705-4851.

York County — ESAB Welding & Cutting Products

Southcentral Region

Located in Penn Township, this site underwent remediation for soil and groundwater contamination. Solvents in the groundwater plus PCBs, heavy metals, pesticides, dioxin, BTEX, PHCs and PAHs in the soil, were the contaminants of concern. The statewide health standard for soil and the site-specific standard for groundwater were both attained. The site will remain in use for industrial purposes. DEP approved the final report on Oct. 13, 1999. Contact Manuel Nzambi, DEP, (717) 705-4839.

York County — Keystone Distribution Center, Inc.

Southcentral Region

Located in Penn Township, this 25-acre site underwent remediation for soil and groundwater contamination. Contaminants of concern were petroleum products. Remediation efforts included the excavation and disposal of impacted soils. The statewide health standard was attained, and the site will be sold and used as a non-residential distribution center. DEP approved the final report on July 26, 1999. Contact James Rea, DEP, (717) 705-4850.

York County — M&M Realty/L. Lavetan & Sons, Inc.

Southcentral Region

Located in West Manchester Township, this seven-acre site underwent remediation for groundwater contamination. The contaminants of concern were metals and PAHs. Institutional controls were put in place as part of the cleanup effort. The site-specific standard was attained, and the property will continue its use as a recycling transfer station. DEP approved the final report on Feb. 7, 2000. Contact John Clarke, DEP, (717) 705-4851.

York County — Sunny Farms Landfill

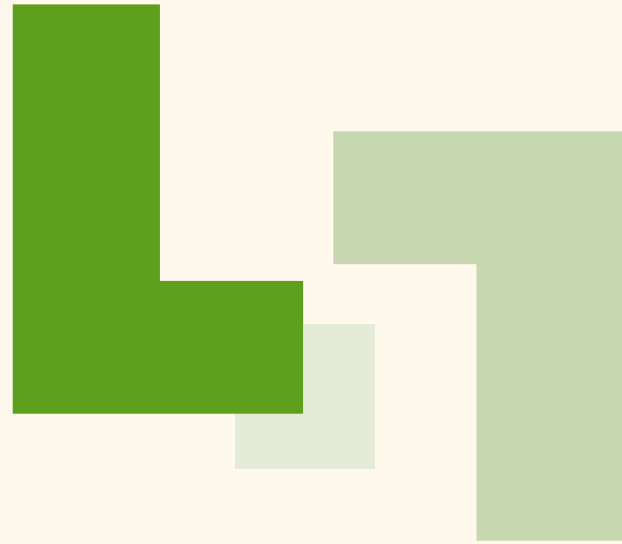
Southcentral Region

This site located in North Codorus Township underwent remediation for soil and groundwater contamination. The contaminants of concern were chlorinated solvents and metals. The cleanup involved the removal of waste and soil from 1.85-acres of the property. The statewide health standards were attained, and the property will be used as a future park and recreation center. DEP approved the final report on Feb. 14, 2000. Contact John Clarke, DEP, (717) 705-4851.

Appendix 2

Land Recycling Program Cleanups

Listed below are all cleanups that have given formal notice to participate in the Land Recycling Program since its inception in 1995. More than one cleanup may occur on a site. The keys below explain what type(s) of cleanup standard(s) each project has met or intends to meet and which cleanups are complete.



County	Name	Municipality	Type	Region
Adams	Adele M Keech Estate	Berwick Twp	S	SC
<i>Adams</i>	<i>Gettysburg Railroad Yard</i>	<i>Gettysburg Borough</i>	<i>W</i>	<i>SC</i>
<i>Adams</i>	<i>Hamilton Twp Board of Supervisors</i>	<i>Hamilton Twp</i>	<i>W</i>	<i>SC</i>
<i>Adams</i>	<i>Hwy Express</i>	<i>Littlestown Borough</i>	<i>I</i>	<i>SC</i>
<i>Adams</i>	<i>M & M Tool & Die Inc</i>	<i>Littlestown Borough</i>	<i>W</i>	<i>SC</i>
<i>Adams</i>	<i>Sun Pipeline Abbottstown</i>	<i>Berwick Twp</i>	<i>W</i>	<i>SC</i>
<i>Adams</i>	<i>U Haul 811 66 Gettysburg</i>	<i>Straban Twp</i>	<i>W</i>	<i>SC</i>
<i>Adams</i>	<i>Union Twp Municipal Bldg</i>	<i>Union Twp</i>	<i>W</i>	<i>SC</i>
<i>Adams</i>	<i>Way Wil Inc</i>	<i>Straban Twp</i>	<i>W</i>	<i>SC</i>
Allegheny	51st St Properties (Formerly US Steel)	Pittsburgh	I	SW
<i>Allegheny</i>	<i>Advanced Environmental Consultants Inc</i>	<i>Wilkinsburg Borough</i>	<i>W</i>	<i>SW</i>
Allegheny	AMG Resources Neville Island	Neville Twp	S	SW
<i>Allegheny</i>	<i>Bakerstown Facility (Exxon Co, USA)</i>	<i>Richland Twp</i>	<i>S</i>	<i>SW</i>
<i>Allegheny</i>	<i>Beazer East Inc</i>	<i>Verona Borough</i>	<i>S</i>	<i>SW</i>
Allegheny	BP Amoco - Pittsburgh Terminal	Baldwin Borough	W	SW
<i>Allegheny</i>	<i>Constantin Pontiac</i>	<i>Pittsburgh</i>	<i>S</i>	<i>SW</i>
<i>Allegheny</i>	<i>CSX Grant St Station</i>	<i>Pittsburgh</i>	<i>W</i>	<i>SW</i>
Allegheny	Damascus Bishop Tube Co	Munhall Borough	I	SW
Allegheny	Dickson Brothers Dry Cleaner (Formerly)	Pittsburgh	S	SW
<i>Allegheny</i>	<i>Etna Industrial Park</i>	<i>Etna Borough</i>	<i>S</i>	<i>SW</i>
Allegheny	Exxon PGH Specialty Products Plant	Pittsburgh	S	SW

Region: SE: Southeast SC: Southcentral SW: Southwest NE: Northeast NC: Northcentral NW: Northwest
Cleanup Type: B: Background S: Site-Specific I: Industrial W: Statewide

Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Allegheny	Framesi-USA	Coraopolis Borough	W	SW
Allegheny	Fuccillo Ford	Hampton Twp	W	SW
Allegheny	GIL Partnership	Pittsburgh	W	SW
Allegheny	Girman Property	Monroeville Borough	W	SW
Allegheny	Graphic Controls Corp - Pittsburgh Facility	Wilmerding Borough	W	SW
Allegheny	Hays Army Ammunition Plant	Pittsburgh	W	SW
Allegheny	Hunter Farm Drum	West Deer Twp	W	SW
Allegheny	Johnny Jones Bldg	Pittsburgh	I	SW
Allegheny	Ken Sabolovic Auto Service Station	Pittsburgh	B	SW
Allegheny	Lectromelt Corp Facility	Pittsburgh	I	SW
Allegheny	Lieberth & Sons Dodge Inc	Oakmont Borough	B	SW
Allegheny	LTV Coke Plant Hazelwood	Pittsburgh	S	SW
Allegheny	LTV Steel - Southside PGH Wks	Pittsburgh	S	SW
Allegheny	Lubriquip Inc	Stowe Twp	S	SW
Allegheny	M & S Bldg Parking Lot	Pleasant Hills Borough	W	SW
Allegheny	Microbac Laboratories Inc	Mccandless Twp	W	SW
Allegheny	Mobil Oil Corp Terminal #37-003 (Formerly)	McKees Rocks Borough	S	SW
Allegheny	North Shore Property	Pittsburgh	I	SW
Allegheny	PB&S Chemical Co Inc	McKeesport	S	SW
Allegheny	Papercraft Corp	Ohara Twp	W	SW
Allegheny	Pennzoil Products Co - 54th St Terminal	Pittsburgh	S	SW
Allegheny	PGH Forgings Co (Formerly) - American Bridge Corp	Coraopolis Borough	S	SW
Allegheny	PGH International Airport Air Reserve Station	Moon Twp	W	SW
Allegheny	Pittsburgh International Airport	Moon Twp	S	SW
Allegheny	Portec Inc RMP Division	Ohara Twp	W	SW
Allegheny	PSM Facility (Formerly)	East Pittsburgh Borough	S	SW
Allegheny	Ramsey Sturman Ford	West Mifflin Borough	W	SW
Allegheny	Redevelopment Auth of the City of McKeesport - Fifth & Hartman	McKeesport	W	SW
Allegheny	Redevelopment Auth of the City of McKeesport - Walnut St	McKeesport	W	SW
Allegheny	Redevelopment Auth of the City of McKeesport	McKeesport	W	SW
Allegheny	RIDC Center City of Duquesne	Duquesne	I	SW
Allegheny	RIDC Industrial Center of McKeesport	McKeesport	I	SW
Allegheny	Riverside Associates Property	Ohara Twp	B	SW
Allegheny	Shenango Inc	Neville Twp	S	SW
Allegheny	Spee-D Foodmart	Forest Hills Borough	W	SW
Allegheny	Swissvale Auto Surplus Parts	Swissvale Borough	W	SW
Allegheny	Tailgaters Parking LLC (P&LE Davis Island)	Stowe Twp	W	SW
Allegheny	Teledyne Industries Inc	Roslyn Farms Borough	S	SW
Allegheny	The Buncher Co	Pittsburgh	I	SW
Allegheny	Trumbull Corp	West Mifflin Borough	W	SW
Allegheny	West Rentals Inc	Neville Twp	W	SW
Allegheny	Westinghouse Air Brake Division	Wilmerding Borough	S	SW
Allegheny	Westinghouse Trafford Facility (Formerly)	Trafford Borough	S	SW
Allegheny	Whitehall Tire Inc	Whitehall Borough	W	SW
Allegheny	Wilkinsburg Parking Auth - Mun. Lot	Wilkinsburg Borough	B	SW
Allegheny	Woodings-Verona Tool Works	Verona Borough	W	SW
Allegheny	Xerox Pittsburgh District Parts Center	Pittsburgh	W	SW
Armstrong	CNG Peoples Valley Compressor Station	Cowanshannock Twp	S	SW
Armstrong	CNG Transmission Corp S Bend Compressor	South Bend Twp	W	SW
Beaver	Aliquippa Forge	Aliquippa Borough	I	SW
Beaver	Aliquippa Industrial Park	Aliquippa Borough	W	SW
Beaver	ARCO Chemical Co Beaver Valley Plant	Potter Twp	S	SW
Beaver	Ashland Chemical Co	Freedom Borough	S	SW
Beaver	Beaver County Detention Facility	Hopewell Twp	S	SW
Beaver	BET-Tech International Inc (Formerly LTV Parcel S-2)	Aliquippa Borough	I	SW
Beaver	BET-Tech International Inc - Industrial Tract	Aliquippa Borough	I	SW
Beaver	Borough of Ambridge	Ambridge Borough	I	SW

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Beaver	Corner Enterprises Inc (Formerly Morini Market)	Koppel Borough	I	SW
Beaver	Howard E. Stuber Property	Rochester Twp	W	SW
Beaver	LTV Steel East Mills Disposal Area	Midland Borough	S	SW
Beaver	Marino Brothers Scrap Yard	Rochester Borough	S	SW
Beaver	<i>Pittsburgh Tube Co</i>	<i>Monaca Borough</i>	W	SW
Beaver	PMAC Ltd	Beaver Falls	I	SW
Beaver	<i>Special Metals Operations Babcock and Wilcox Co</i>	<i>Big Beaver Borough</i>	S	SW
Beaver	Wyckoff Steel Plant (Formerly)	Ambridge Borough	S	SW
Bedford	<i>Standard Register Plant</i>	<i>Bedford Twp</i>	W	SC
Berks	<i>AT&T Topton Mt</i>	<i>Longswamp Twp</i>	W	SC
Berks	<i>Berks Products Co</i>	<i>Muhlenberg Twp</i>	B	SC
Berks	<i>Bernville Mfg</i>	<i>Bernville Borough</i>	S	SC
Berks	<i>Buck Run Rd Property</i>	<i>South Heidelberg Twp</i>	W	SC
Berks	<i>Caloric Corp</i>	<i>Topton Borough</i>	B	SC
Berks	Clarence H Heffner Property	Richmond Twp	B	SC
Berks	<i>Conrad Weiser Homestead</i>	<i>Heidelberg Twp</i>	W	SC
Berks	Conrail Right Of Way	Richmond Twp	B	SC
Berks	<i>Country Manor Estate</i>	<i>Alsace Twp</i>	B	SC
Berks	Dean Kohler Property	Richmond Twp	B	SC
Berks	<i>Delta Truck Body</i>	<i>Perry Twp</i>	I	SC
Berks	Domer Liebensperger	Hamburg Borough	S	SC
Berks	East Penn Mfg	Richmond Twp	B	SC
Berks	<i>Eastern Industrial Inc</i>	<i>Reading</i>	W	SC
Berks	Exide Gen Battery Corp	Muhlenberg Twp	S	SC
Berks	FM Browns And Sons Inc	Sinking Spring Borough	W	SC
Berks	Fusion Coatings	Heidelberg Twp	S	SC
Berks	Global Environmental Services Inc Feinberg Parcel	Ontelaunee Twp	I	SC
Berks	Holy Guardian Angels	Muhlenberg Twp	W	SC
Berks	<i>Jake's Place</i>	<i>Hamburg Borough</i>	W	SC
Berks	James Reinhart Property	Richmond Twp	B	SC
Berks	Kaercher Creek Park	Windsor Twp	S	SC
Berks	Kenneth W Thompson Property - Parcel C	Birdsboro Borough	W	SC
Berks	Lillian Leiss Residence	Reading	W	SC
Berks	<i>McQuaide Freight Lines</i>	<i>Tulpehocken Twp</i>	W	SC
Berks	Met Ed Hamburg	Hamburg Borough	S	SC
Berks	<i>Miller's Super Service</i>	<i>Temple Borough</i>	W	SC
Berks	Mobil 16 EFC	Lower Alsace Twp	W	SC
Berks	<i>Muhlenberg Twp Well 12</i>	<i>Muhlenberg Twp</i>	W	SC
Berks	<i>Nolde Forest Environmental Education Center</i>	<i>Cumru Twp</i>	W	SC
Berks	<i>Offset Impressions Inc</i>	<i>Cumru Twp</i>	B	SC
Berks	Outtens Buick Pontiac Chevrolet (Formerly)	Hamburg Borough	S	SC
Berks	<i>Palm and Sons Inc</i>	<i>Cumru Twp</i>	W	SC
Berks	Palm Industrial Center	Hereford Twp	W	SC
Berks	Penske Truck Leasing Co LP	Reading	S	SC
Berks	<i>PPL</i>	<i>Sinking Spring Borough</i>	W	SC
Berks	Reading Muhlenberg Area Vo-Tech School	Muhlenberg Twp	W	SC
Berks	<i>Reading Station Outlets</i>	<i>Reading</i>	I	SC
Berks	<i>Rich Craft Custom Kitchen Inc</i>	<i>Robesonia Borough</i>	B	SC
Berks	Rockwell International Goss Graphics	Wyomissing Borough	S	SC
Berks	Stroud Custer Residence	Reading	W	SC
Berks	Teledyne Amco (Formerly)	Mohnton Borough	S	SC
Berks	Textile Chemical Huller Lane Facility	Ontelaunee Twp	S	SC
Berks	Textile Chemical Snyder Rd	Ontelaunee Twp	S	SC

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
 NE: Northeast NC: Northcentral NW: Northwest I: Industrial W: Statewide

Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Berks	US Postal Service Bernville	Bernville Borough	W	SC
Berks	<i>Van Brunt & Sons Inc</i>	<i>Maxtawny Twp</i>	W	SC
Berks	Vince's Towing	Reading	I	SC
Blair	<i>A Plus Printing</i>	<i>Altoona</i>	B	SC
Blair	Conrail South Altoona Material District Center - Parcel 1	Altoona	I	SC
Blair	Conrail South Altoona Material District Center - Parcel 2	Altoona	I	SC
Blair	Crown Logan Valley Mall	Logan Twp	S	SC
Blair	<i>Degol Carpet</i>	<i>Duncansville Borough</i>	B	SC
Blair	Fiore Pontiac GMC Truck	Allegheny Twp	W	SC
Blair	<i>GPU Energy Hollidaysburg Pole Storage Yard</i>	<i>Hollidaysburg Borough</i>	S	SC
Blair	H & H Appliance & Puritan Cleaners	Altoona	S	SC
Blair	Mid State Chemical Division United Chemical	Allegheny Twp	S	SC
Blair	Small Tube	Allegheny Twp	S	SC
Blair	<i>Titleman Welfare Fund Property</i>	<i>Altoona</i>	I	SC
Blair	Union Tank Car Co	Altoona	W	SC
Blair	<i>Westvaco Corp</i>	<i>Snyder Twp</i>	W	SC
Bradford	Joseph Mint Residence	South Waverly Borough	W	NC
Bradford	<i>Krajack Tank Lines</i>	<i>Leroy Twp</i>	W	NC
Bradford	Paxar Corp Industrial Dry Well	Sayre Borough	S	NC
Bucks	2555 Street Rd Property	Bensalem Twp	S	SE
Bucks	2900 Samuel Dr Site/Alexander Paper Co	Bensalem Twp	S	SE
Bucks	Adamczyk Residence	Morrisville Borough	W	SE
Bucks	<i>American Trading & Prod Corp</i>	<i>Bristol Twp</i>	S	SE
Bucks	<i>Amiquip Corp</i>	<i>Bensalem Twp</i>	W	SE
Bucks	<i>Ashland Chemical Facility</i>	<i>Falls Twp</i>	I	SE
Bucks	Avery Dennison/Fasson Roll Division	Richland Twp	W	SE
Bucks	<i>Azar Residence</i>	<i>New Britain Twp</i>	W	SE
Bucks	Aztec Industries	Hilltown Twp	S	SE
Bucks	Bankes Residence	Bristol Twp	W	SE
Bucks	Becker Estate	Plumstead Twp	W	SE
Bucks	Brinkers Fuels Facility	Doylestown Twp	W	SE
Bucks	<i>Bristol Borough Recreation Auth</i>	<i>Bristol Borough</i>	W	SE
Bucks	<i>Cartex Facility</i>	<i>Doylestown Borough</i>	W	SE
Bucks	Chalfont Plaza Assoc LP	New Britain Twp	S	SE
Bucks	<i>Childers Prod Inc</i>	<i>Bristol Twp</i>	S	SE
Bucks	CHQ Reproduction	Warminster Twp	W	SE
Bucks	<i>Decommissioned Granite Substation</i>	<i>Richland Twp</i>	W	SE
Bucks	Dickman Sergeant Energy Corp	Pennel Borough	B	SE
Bucks	Faulkner Toyota	Bensalem Twp	W	SE
Bucks	Gardner and Stephan Residence	New Hope Borough	W	SE
Bucks	Hannes Property	Buckingham Twp	W	SE
Bucks	Heating Oil Partners LP/Gill Brothers Oil Co	Northampton Twp	S	SE
Bucks	Hilltown Plaza	Hilltown Twp	W	SE
Bucks	Holland Village Shop Center-Holland Custom	Northampton Twp	W	SE
Bucks	Home Depot	Warrington Twp	S	SE
Bucks	<i>Katz & Katz</i>	<i>Hilltown Twp</i>	W	SE
Bucks	Kmart Corp Morrisville Dist Center	Falls Twp	W	SE
Bucks	Knechel Residence	New Britain Twp	W	SE
Bucks	Kuthalia Residence	Upper Southampton Twp	W	SE
Bucks	<i>Langhorne Square Shopping Center</i>	<i>Middletown Twp</i>	S	SE
Bucks	<i>Lebequet Residence</i>	<i>Lower Southampton Twp</i>	W	SE
Bucks	Lenape Mfg Co	Perkasie Borough	S	SE
Bucks	Levitz Furniture Corp Property	Langhorne Borough	S	SE
Bucks	<i>Lincoln Plaza Shopping Center</i>	<i>Langhorne Borough</i>	W	SE
Bucks	Madonna Mgmt Co Inc	Bensalem Twp	S	SE
Bucks	<i>Matico Property</i>	<i>Yardley Borough</i>	W	SE
Bucks	<i>McCoy Residence</i>	<i>New Britain Twp</i>	W	SE

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Bucks	McKenny Residence	Lower Southampton Twp	W	SE
Bucks	Meehan Residence	Middletown Twp	W	SE
Bucks	Merit Metals	Warrington Twp	W	SE
Bucks	Merkel Property	Doylestown Twp	W	SE
Bucks	Mill St Partners Property	Quakertown Borough	S	SE
Bucks	Moyer Packing Co	Upper Makefield Twp	S	SE
Bucks	Paulovic Residence	Plumstead Twp	W	SE
Bucks	Peluso Residence	Doylestown Twp	W	SE
Bucks	Penns Park Rd Spill Site	Wrightstown Twp	W	SE
Bucks	Riverfront North Site	Bristol Borough	I	SE
Bucks	The Orchards	Dublin Borough	B	SE
Bucks	Trans-Buck	Bensalem Twp	I	SE
Bucks	Tri Lite Plastics	Falls Twp	W	SE
Bucks	Ultra Precision Facility	Middletown Twp	W	SE
Bucks	Village Center Mart Hashas Cleaners	Bensalem Twp	S	SE
Bucks	Villare Residence	Quakertown Borough	W	SE
Bucks	Wagner Gourmet Foods Site	Ivyland Borough	B	SE
Bucks	Weisser Residence	Bristol Borough	W	SE
Bucks	Wheelabrator Falls Inc	Falls Twp	B	SE
Bucks	Wonder Chemical	Falls Twp	S	SE
Butler	Barcolene/Penn Champ Tank Farm	East Butler Borough	W	NW
Butler	Halstead Industries	Zelienople Borough	S	NW
Butler	JSP International	East Butler Borough	S	NW
Butler	Kwik Fill S 061	Prospect Borough	W	NW
Butler	Saxonburg Sintering Plant (USX Realty Development)	Jefferson Twp	W	NW
Butler	Spang Specialty Metals Plant	Summit Twp	B	NW
Butler	Universal Corp	Zelienople Borough	I	NW
Butler	Universal Manufacturing	Zelienople Borough	I	NW
Cambria	Cecilia Kearns Residence	East Conemaugh Borough	W	SW
Cambria	Johnstown Corp	Johnstown	I	SW
Cameron	Olivett Property	Emporium Borough	W	NC
Carbon	Antoinette Fazio Residence	Banks Twp	W	NE
Carbon	Burroughs Fuels	Kidder Twp	S	NE
Carbon	PPL	Summit Hill Borough	W	NE
Carbon	Penn Fuel Gas Jim Thorpe	Mahoning Twp	S	NE
Carbon	PPL	Nesquehoning Borough	W	NE
Carbon	PPL Hauto Site	Nesquehoning Borough	W	NE
Centre	Abramson Auto Wrecking Co	College Twp	B	NC
Centre	Bucha Residence	Snow Shoe Twp	W	NC
Centre	Clasters Warehouse	Bellefonte Borough	W	NC
Centre	E Devecchis and Sons	Ferguson Twp	W	NC
Centre	Pennsylvania State University	College Twp	W	NC
Centre	Renninger Lumber Truck Spill - Charles Rishel Residence	Potter Twp	W	NC
Centre	Sludge Lagoons - Bellefonte Lime	Benner Twp	B	NC
Centre	State College Ford	Ferguson Twp	W	NC
Centre	University Park Airport	Benner Twp	W	NC
Chester	184 Pennsylvania Ave Assoc	Malvern Borough	W	SE
Chester	Acme 22 1764	East Nottingham Twp	W	SE
Chester	Braxtons Animal Works	Tredyffrin Twp	W	SE
Chester	Bufo Residence	Easttown Twp	W	SE
Chester	Cedar Hollow Quarry	East Whiteland Twp	B	SE
Chester	Cimeo Tract	Sadsbury Twp	B	SE
Chester	Dawson Property	Phoenixville Borough	W	SE

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
 NE: Northeast NC: Northcentral NW: Northwest I: Industrial W: Statewide

Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Chester	Devitts Hardware Store Site (Formerly)	Coatesville	I	SE
Chester	Diamond Oil Co	Coatesville	I	SE
Chester	Dick Residence	North Coventry Twp	W	SE
Chester	Earl's Amoco Service Station	West Chester Borough	S	SE
Chester	Emission Control Dust Monofill	South Coatesville Borough	S	SE
Chester	Exton Property LP	West Whiteland Twp	W	SE
Chester	First Industrial Pennsylvania LP	Uwchlan Twp	W	SE
Chester	FSI Realty Inc	Willistown Twp	S	SE
Chester	Grosskopf Residence	Avondale Borough	W	SE
Chester	Herzog Farm	Upper Uwchlan Twp	W	SE
Chester	Jackson Residence	Easttown Twp	W	SE
Chester	John R Hollingsworth Co	Schuylkill Twp	S	SE
Chester	Kardon Park	Downingtown Borough	S	SE
Chester	Keystone Financial Bank National	Kennett Sq Borough	S	SE
Chester	Kramer Property	West Pikeland Twp	S	SE
Chester	Mack Oil Co Inc	Easttown Twp	W	SE
Chester	Mad Platter	West Chester Borough	W	SE
Chester	Main St at Exton	West Whiteland Twp	S	SE
Chester	McDonald Residence	East Coventry Twp	W	SE
Chester	Medders Residence	Willistown Twp	W	SE
Chester	Melchiorre Construction Co	Phoenixville Borough	S	SE
Chester	Northbrook Orchards	Pocopson Twp	W	SE
Chester	Paedco Property/Phoenix Steel Foundry	Phoenixville Borough	S	SE
Chester	Parkesburg MGP PECO	Parkesburg Borough	S	SE
Chester	PECO Avondale MGP	Avondale Borough	S	SE
Chester	PECO Cromby Station	East Pikeland Twp	W	SE
Chester	PECO Downingtown MGP Site	Downingtown Borough	S	SE
Chester	Phoenixville Technical Center	Phoenixville Borough	W	SE
Chester	Pizza Box Restaurant	West Chester Borough	S	SE
Chester	Santos Auto Center	West Chester Borough	S	SE
Chester	Schramm Inc	East Goshen Twp	B	SE
Chester	Sears Paint & Hardware Store	East Marlborough Twp	W	SE
Chester	Serena Inc	Downingtown Borough	W	SE
Chester	Sharps Woods	Easttown Twp	W	SE
Chester	Spinelli Estate	Tredyffrin Twp	W	SE
Chester	Spring City Electronic Mfg Co	Spring City Borough	B	SE
Chester	Staats Oil	Malvern Borough	W	SE
Chester	Stephens Property	West Whiteland Twp	W	SE
Chester	Stoltzfus Estate	Valley Twp	W	SE
Chester	Stonegate	West Bradford Twp	W	SE
Chester	Strunk Farm Property	East Fallowfield Twp	B	SE
Chester	Sun Pipe Line Co	East Goshen Twp	S	SE
Chester	Unisys & Former Lockheed-Martin Site	Tredyffrin Twp	S	SE
Chester	Unisys Downingtown Facility	Downingtown Borough	S	SE
Chester	Upper Nike Property Tank Area	Schuylkill Twp	W	SE
Chester	Welliver Residence	Easttown Twp	W	SE
Chester	West Chester Laundry	West Chester Borough	S	SE
Chester	West Chester Mfg Gas Plant	West Chester Borough	S	SE
Chester	West Co	Phoenixville Borough	S	SE
Chester	Whitford Corp	East Whiteland Twp	W	SE
Chester	Whitman Residence	Tredyffrin Twp	W	SE
Chester	Yocum Residence	Westtown Twp	W	SE
Clearfield	Equimeter (Rockwell) - Plant 1	Du Bois City	B	NC
Clearfield	Equimeter (Rockwell) - Plant 2	Du Bois City	S	NC
Clearfield	Furnival Machinery Co (Formerly)	Chester Hill Borough	S	NC
Clearfield	Howes Leather Corp	Pike Twp	S	NC
Clearfield	Kephart Property	Decatur Twp	W	NC

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Clinton	International Paper	Castanea Twp	W	NC
Clinton	Lock Haven Laundry	Lock Haven	S	NC
Clinton	Lock Haven University - Recreation Center Property	Lock Haven	B	NC
Clinton	McCloskey Residence	Lamar Twp	W	NC
Clinton	Montour Oil Co/KC Video	Lock Haven	S	NC
Clinton	Northeast Fish Hatchery	Lamar Twp	B	NC
Clinton	Peddigree Residence	Lock Haven	W	NC
Clinton	PPL	Logan Twp	W	NC
Columbia	Berwick Industries	Berwick Borough	S	NC
Columbia	Dana Corp	Berwick Borough	S	NC
Columbia	Friedman's Express - Bloomsburg Truck	Bloomsburg Town	W	NC
Columbia	Region Oil	South Centre Twp	W	NC
Columbia	Sunshine Textile Services	Bloomsburg Town	S	NC
Crawford	Advanced Cast Products Inc	Vernon Twp	W	NW
Crawford	Avtex Fibers Inc	Vernon Twp	B	NW
Crawford	Buells Corner Store	Rome Twp	W	NW
Crawford	Cambridge Springs Volunteer Ambulance Service	Cambridge	W	NW
Crawford	Crawford Central School District Admin Marina Bldg	Meadville	W	NW
Crawford	DCNR Pymatuning State Park - Espyville	North Shenango Twp	W	NW
Crawford	Fostermation Inc	Meadville	W	NW
Crawford	Meadville Area Ambulance Service	Meadville	W	NW
Crawford	Meadville Housing Auth	Meadville	W	NW
Crawford	Northwestern Rural Electric Co-Op Assoc	Cambridge	W	NW
Crawford	PennDot (Formerly Westerbeck Pennzoil)	Titusville	W	NW
Crawford	Spauldings Inc	Meadville	I	NW
Crawford	Titusville Redevelopment Auth	Titusville	I	NW
Cumberland	AMP Inc Old Gettysburg Rd	Lower Allen Twp	W	SC
Cumberland	Aqua Specialists Inc	Hampden Twp	W	SC
Cumberland	Bethany Village Retirement Center	Lower Allen Twp	W	SC
Cumberland	Conewago Contr Inc Warehouse Facility	Lemoyne Borough	S	SC
Cumberland	Cumberland Bldg Co	North Middleton Twp	W	SC
Cumberland	Financial Trust Regional HQ	Carlisle Borough	B	SC
Cumberland	Flight Sys Inc	Silver Spring Twp	S	SC
Cumberland	Lippert Site	Carlisle Borough	B	SC
Cumberland	Lumber Yard	Lemoyne Borough	B	SC
Cumberland	Marty's Transmission Shop	Monroe Twp	S	SC
Cumberland	Murata Electronics National Inc	Carlisle Borough	B	SC
Cumberland	Orweco Frocks	Mechanicsburg Borough	B	SC
Cumberland	PR Hoffman Materials Processing Corp	Carlisle Borough	B	SC
Cumberland	Penn Fuel Gas Shippensburg	Shippensburg Borough	S	SC
Cumberland	Penn Twp Bldg	Penn Twp	W	SC
Cumberland	Pennsboro Center	Wormleysburg Borough	W	SC
Cumberland	PPL	Lower Allen Twp	W	SC
Cumberland	PPL	Lower Allen Twp	W	SC
Cumberland	PPL	Mechanicsburg Borough	W	SC
Cumberland	PPL	Mechanicsburg Borough	W	SC
Cumberland	PPL	Carlisle Borough	W	SC
Cumberland	PPL	Carlisle Borough	W	SC
Cumberland	PPL	East Pennsboro Twp	W	SC
Cumberland	PPL	East Pennsboro Twp	W	SC
Cumberland	PPL	Shiremanstown Borough	W	SC
Cumberland	PPL - Carlisle Gas Plant	Carlisle Borough	S	SC
Cumberland	Royer Tract	South Middleton Twp	B	SC

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
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Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Cumberland	Wendy's	Carlisle Borough	B	SC
Dauphin	909 Partners Site	Susquehanna Twp	S	SC
Dauphin	All Star Chrysler Plymouth	Swatara Twp	W	SC
Dauphin	Bethlehem Steel Corp - Highspire, Lower Swatara	Highspire Borough	B	SC
Dauphin	Bethlehem Steel Corp - Steelton, Highspire Site	Steelton Borough	B	SC
Dauphin	Bill's Chicken Shack	Harrisburg	W	SC
Dauphin	Conewago Twp Bldg	Conewago Twp	W	SC
Dauphin	Crawford Station	Middletown Borough	I	SC
Dauphin	Fruehauf Trlr Corp Drive A Way Term (Formerly)	Lower Swatara Twp	I	SC
Dauphin	GPU Energy Customer Service Center	Middletown Borough	W	SC
Dauphin	Halifax Area High School	Halifax Twp	W	SC
Dauphin	Harrisburg Steam Works Ltd	Harrisburg	B	SC
Dauphin	Hershey Amoco	Derry Twp	S	SC
Dauphin	Hershey Chocolate USA	Derry Twp	W	SC
Dauphin	Hervitz Packing Co (Formerly)	Harrisburg	I	SC
Dauphin	HIA Middletown Airfield	Lower Swatara Twp	S	SC
Dauphin	Holy Cross Cemetery	Swatara Twp	W	SC
Dauphin	James Casner Property	Washington Twp	W	SC
Dauphin	Lehman's Automotive	Penbrook Borough	W	SC
Dauphin	Lincoln Auto	Penbrook Borough	W	SC
Dauphin	M&S Distribution Co (Formerly)	Harrisburg	W	SC
Dauphin	Olivetti Supplies Inc (Formerly)	Susquehanna Twp	S	SC
Dauphin	Polyclinic Medical Center	Harrisburg	W	SC
Dauphin	PPL	Lower Paxton Twp	W	SC
Dauphin	PPL	Lower Paxton Twp	W	SC
Dauphin	PPL	Lower Paxton Twp	W	SC
Dauphin	PPL	Lower Paxton Twp	W	SC
Dauphin	PPL	Harrisburg	S	SC
Dauphin	PPL	Harrisburg	W	SC
Dauphin	PPL	Harrisburg	W	SC
Dauphin	PPL	Middle Paxton Twp	W	SC
Dauphin	PPL	Derry Twp	W	SC
Dauphin	PPL	Susquehanna Twp	W	SC
Dauphin	PPL	Penbrook Borough	W	SC
Dauphin	PPL	Swatara Twp	W	SC
Dauphin	PPL - Hershey Service Center (Non CO&A)	Derry Twp	W	SC
Dauphin	PPL	South Hanover Twp	W	SC
Dauphin	PPL - Sand Hill Substation	Derry Twp	W	SC
Dauphin	Rite Aid Corp	Derry Twp	W	SC
Dauphin	Scottish Rite Cathedral	Harrisburg	W	SC
Dauphin	Super Rite Foods Inc Richfoods	Harrisburg	W	SC
Dauphin	Taylor Wharton Cylinders Eastern Tract	Harrisburg	B	SC
Dauphin	UGI Corp Gas Mfg Plant - Steelton	Steelton Borough	W	SC
Dauphin	Villa Teresa	Lower Paxton Twp	W	SC
Dauphin	Washington Square Phase II - Parcel 2	Harrisburg	S	SC
Dauphin	Watkins Motor Lines Inc	Lower Swatara Twp	W	SC
Dauphin	Wedgewood Hills Apts	Susquehanna Twp	W	SC
Delaware	9th & Madison Sts Site	Chester	W	SE
Delaware	ARCO/Sap Amer Property	Newtown Twp	W	SE
Delaware	Ashland Inc Aston Chemical Distribution Facility	Chester	W	SE
Delaware	Assemco Inc	Ridley Park Borough	W	SE
Delaware	Baer Property	Eddystone Borough	B	SE
Delaware	Blosinski Farm	Edgemont Twp	W	SE
Delaware	Boeing Helicopters	Ridley Twp	S	SE
Delaware	Bond Shopping Center	Upper Darby Twp	S	SE
Delaware	Brandywine Realty II Inc	Concord Twp	B	SE
Delaware	Brandywine Realty II Inc - UST Area	Concord Twp	W	SE

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Delaware	Chester Waterfront Redevelopment Project Site	Chester	B	SE
Delaware	<i>Chrylser Realty Corp</i>	<i>Springfield Twp</i>	<i>W</i>	<i>SE</i>
Delaware	<i>Claymont Development Property</i>	<i>Birmingham Twp</i>	<i>W</i>	<i>SE</i>
Delaware	<i>Coca Cola Bottling Co</i>	<i>Folcroft Borough</i>	<i>S</i>	<i>SE</i>
Delaware	<i>Cole Residence</i>	<i>Parkside Borough</i>	<i>W</i>	<i>SE</i>
Delaware	Conrail Parcel	Marcus Hook Borough	S	SE
Delaware	Eddystone Crossing	Eddystone Borough	S	SE
Delaware	Emilee Atlee Residence	Haverford Twp	W	SE
Delaware	Ennis Oil & Burner Site	Chester Heights Borough	W	SE
Delaware	Filt Air Corp	Darby Borough	W	SE
Delaware	<i>Gabe Staino Chrysler Plymouth</i>	<i>Birmingham Twp</i>	<i>W</i>	<i>SE</i>
Delaware	<i>Gilberts Flower Shop</i>	<i>Ridley Twp</i>	<i>W</i>	<i>SE</i>
Delaware	Heritage Nissan	Newtown Twp	W	SE
Delaware	<i>Industrial Park Development Corp</i>	<i>Eddystone Borough</i>	<i>W</i>	<i>SE</i>
Delaware	<i>Meadow Run Site</i>	<i>Concord Twp</i>	<i>S</i>	<i>SE</i>
Delaware	Metro Container Corp	Trainer Borough	S	SE
Delaware	MR Property Assoc LP	Ridley Twp	W	SE
Delaware	Norquay Tech Inc	Chester	I	SE
Delaware	PECO Tilghman St Gas Plant	Chester	S	SE
Delaware	<i>Penn Terminals</i>	<i>Eddystone Borough</i>	<i>S</i>	<i>SE</i>
Delaware	PPG Industrial Facility (Formerly)	Folcroft Borough	S	SE
Delaware	<i>Realen Ltd Partner Inc</i>	<i>Middletown Borough</i>	<i>W</i>	<i>SE</i>
Delaware	<i>Sackville Mills Property</i>	<i>Nether Providence Twp</i>	<i>B</i>	<i>SE</i>
Delaware	Scott Tech Center	Tinicum Twp	W	SE
Delaware	SMK Speedy International Inc	Chester	S	SE
Delaware	Steinmacher Residence	Upper Chichester Twp	W	SE
Delaware	Sunoco 0004 8751	Springfield Twp	S	SE
Delaware	Sunoco #3 Tank Farm (Formerly)	Bethel Twp	W	SE
Delaware	Sunoco R&M Marcus Hook Ref/Phillips Island	Marcus Hook Borough	S	SE
Delaware	Tinicum Industrial Park	Tinicum Twp	S	SE
Delaware	Weichert Realtors	Haverford Twp	S	SE
Delaware	Witco Corp	Trainer Borough	W	SE
Elk	CNG Transmission Corp (Benzette Compress)	Benzette Twp	W	NW
Elk	Stackpole Center	St Marys Borough	S	NW
Erie	38th and Elmwood Gulf	Erie City	W	NW
Erie	Albion Forge	Conneaut Twp	W	NW
Erie	Baldwin-Pontillo Landfill (Prz Public Markets Inc)	Erie City	I	NW
Erie	<i>CF Motor Freight</i>	<i>Erie City</i>	<i>W</i>	<i>NW</i>
Erie	<i>City of Erie Fire House # 12</i>	<i>Erie City</i>	<i>W</i>	<i>NW</i>
Erie	Corry North Hills Golf Course	Corry	W	NW
Erie	Country Fair #23	Millcreek Twp	W	NW
Erie	<i>Country Fair #39</i>	<i>Girard Twp</i>	<i>W</i>	<i>NW</i>
Erie	Eastway Sunoco	Harborcreek Twp	W	NW
Erie	Engelhard Corp	Erie City	W	NW
Erie	<i>Erie City Iron Works</i>	<i>Erie City</i>	<i>S</i>	<i>NW</i>
Erie	Fedorko Peter Property	Millcreek Twp	S	NW
Erie	Garnon Trucking	Millcreek Twp	W	NW
Erie	<i>General Electric Transportation Systems</i>	<i>Erie City</i>	<i>W</i>	<i>NW</i>
Erie	<i>GPU - Front St Station/Penelec</i>	<i>Erie City</i>	<i>S</i>	<i>NW</i>
Erie	Greater Erie Industrial - City Auto East	Erie City	W	NW
Erie	<i>Greater Erie Industrial (GEIDC) - Mac Erie</i>	<i>Erie City</i>	<i>B</i>	<i>NW</i>
Erie	<i>Green Shingle Service & Restaurant Inc</i>	<i>McKean Twp</i>	<i>S</i>	<i>NW</i>
Erie	GTE West	Erie City	S	NW

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Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Erie	Gulf Tee It Up	Millcreek Twp	W	NW
Erie	Highlander Fueling Station	Washington Twp	W	NW
Erie	JK Shiley	Springfield Twp	W	NW
Erie	Kwik Fill M 317	Millcreek Twp	W	NW
Erie	Mafix	Millcreek Twp	S	NW
Erie	McCurdy's Exxon	Summit Twp	W	NW
Erie	<i>Mike's Motor Service</i>	Erie City	W	NW
Erie	National Fuel Gas - Wayne St	Erie City	S	NW
Erie	<i>NE Borough Bldg</i>	North East Borough	W	NW
Erie	<i>Pine Ave Auto Sales</i>	Erie City	W	NW
Erie	Poplar Thruway	McKean Twp	W	NW
Erie	Rogers Steel	Corry	I	NW
Erie	<i>Travis Tire & Service</i>	Erie City	W	NW
Erie	<i>WSEE-TV Northstar Television Transmission Tower</i>	Summit Twp	W	NW
Fayette	<i>1st Pit Trucking Co</i>	Dunbar Twp	W	SW
Fayette	<i>Long-Airdox Co</i>	North Union Twp	S	SW
Fayette	<i>Mt State Bit Service Inc (Formerly)</i>	Redstone Twp	W	SW
Fayette	<i>Tom Morris Residence</i>	Perry Twp	S	SW
Franklin	<i>Antrim Twp Municipal Bldg</i>	Antrim Twp	W	SC
Franklin	DL Martin	Mercersburg Borough	S	SC
Franklin	Express 24	Guilford Twp	S	SC
Franklin	<i>Grove North American Division - Kidde Industrial Inc</i>	Antrim Twp	W	SC
Franklin	<i>Loewengart and Co Inc</i>	Mercersburg Borough	I	SC
Franklin	Luben Burkholder Farm	Hamilton Twp	W	SC
Franklin	Penn Mar Oil Co	Chambersburg Borough	S	SC
Franklin	R&A Bender Landfill	Greene Twp	W	SC
Franklin	SKF USA Inc Plant (Formerly)	Shippensburg Borough	W	SC
Franklin	Waynesboro Gas Co (Formerly)	Waynesboro Borough	S	SC
Fulton	<i>JLG Industrial</i>	Ayr Twp	W	SC
Greene	<i>Equitrans LP - Pratt Compressor Station #47</i>	Franklin Twp	S	SW
Huntingdon	Buckeye Laurel Pipe Line Right of Way	Tell Twp	W	SC
Huntingdon	Elco Corp	Smithfield Twp	S	SC
Huntingdon	<i>Standing Stone Citgo</i>	Smithfield Twp	W	SC
Indiana	CKE Rectifier Division	White Twp	S	SW
Indiana	Federal Laboratories Site Area 15a	Saltsburg Borough	S	SW
Indiana	<i>Fisher Scientific Inc</i>	Indiana Borough	W	SW
Jefferson	<i>GPU Brockway Generating Station</i>	Brockway Borough	W	NW
Jefferson	GPU Energy	Punxsutawney Borough	S	NW
Juniata	<i>PPL Thompsonstown Substation</i>	Thompson Borough	W	SC
Lackawanna	Carbondale Railroads	Carbondale	I	NE
Lackawanna	Crown American - Viewmont Mall	Dickson City Borough	B	NE
Lackawanna	<i>Elliot Co</i>	Scranton	W	NE
Lackawanna	<i>Genova Residence</i>	Spring Brook Twp	W	NE
Lackawanna	Ingersoll Rand	Scranton	W	NE
Lackawanna	Mercury Cleaner	Scranton	S	NE
Lackawanna	<i>Plainwell Tissue</i>	Ransom Twp	W	NE
Lackawanna	<i>Poly Hi Solidur Minooka Plant</i>	Scranton	W	NE
Lackawanna	Precision National	Abington Twp	W	NE
Lackawanna	Van Fleet Residence	Benton Twp	B	NE
Lackawanna	PPL	North Abington Twp	W	NE
Lackawanna	<i>PPL</i>	Carbondale	W	NE
Lackawanna	<i>PPL</i>	Dickson City Borough	W	NE
Lackawanna	<i>PPL</i>	Dunmore Borough	W	NE
Lackawanna	<i>PPL</i>	North Abington Twp	W	NE
Lackawanna	<i>PPL</i>	Roaring Brook Twp	W	NE
Lackawanna	<i>PPL</i>	Scranton	W	NE
Lackawanna	<i>PPL</i>	Scranton	W	NE

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Lackawanna	PPL	Scranton	W	NE
Lackawanna	PPL	Scranton	W	NE
Lackawanna	PPL	Scranton	W	NE
Lackawanna	PPL	Scranton	W	NE
Lackawanna	PPL - Central City Substation	Scranton	W	NE
Lackawanna	PPL - Jermyn Substation	Jermyn Borough	W	NE
Lackawanna	PPL - Northern Division Service Center	Dunmore Borough	W	NE
Lackawanna	PPL - Old Forge Substation	Old Forge Borough	W	NE
Lackawanna	PPL - South Side Substation	Scranton	W	NE
Lackawanna	Star Pipe and Supply Co	Moosic Borough	W	NE
Lackawanna	Suckle	Scranton	W	NE
Lancaster	Adams Service Center	Elizabeth Twp	W	SC
Lancaster	Adamson Tank Co (Formerly)	Providence Twp	W	SC
Lancaster	AG Kurtz	Denver Borough	W	SC
Lancaster	<i>Alcoa Lancaster Works Red Rose Commons</i>	<i>Lancaster City</i>	<i>W</i>	<i>SC</i>
Lancaster	Alcoa Mill Prod	Manheim Twp	W	SC
Lancaster	<i>AMP Bldg 129 Strasburg</i>	<i>Strasburg Borough</i>	<i>W</i>	<i>SC</i>
Lancaster	Armstrong World Industries	Lancaster City	W	SC
Lancaster	Arrowhead Marina	Martic Twp	W	SC
Lancaster	Benchmark Construction Co Inc	East Earl Twp	W	SC
Lancaster	<i>Burle Industrial Inc</i>	<i>Lancaster City</i>	<i>S</i>	<i>SC</i>
Lancaster	<i>CBS Playskool Facility Lagoon</i>	<i>East Lampeter Twp</i>	<i>S</i>	<i>SC</i>
Lancaster	<i>Elbys Big Boy</i>	<i>Manheim Twp</i>	<i>B</i>	<i>SC</i>
Lancaster	Elec Motor Supply Inc	East Hempfield Twp	S	SC
Lancaster	Elizabethtown Waste Water Treatment Plant	Elizabethtown Borough	W	SC
Lancaster	Filling Cleaners Inc	West Hempfield Twp	W	SC
Lancaster	Flint Ink Corp	Lancaster City	W	SC
Lancaster	Forry & Forry	Lititz Borough	W	SC
Lancaster	<i>Funk Bros Inc</i>	<i>Washington Borough</i>	<i>W</i>	<i>SC</i>
Lancaster	FW Woolworth Co - Mid Atlantic District Center	East Cocalico	W	SC
Lancaster	Gen Cigar	Lancaster City	W	SC
Lancaster	Golden Triangle Shopping Center	Manheim Twp	S	SC
Lancaster	<i>Goods Poultry Service</i>	<i>West Hempfield Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>Haddad Shoe Factory City Xing</i>	<i>Lancaster City</i>	<i>I</i>	<i>SC</i>
Lancaster	Harold Warfel	West Hempfield Twp	W	SC
Lancaster	Henry E Martin and Sons Inc	Lancaster City	W	SC
Lancaster	Heritage Custom Kitchens Inc	New Holland Borough	S	SC
Lancaster	Intermet	East Hempfield Twp	S	SC
Lancaster	John Root Property (Formerly Ebys Service Station)	East Petersburg Borough	W	SC
Lancaster	Kerr Group	Lancaster City	S	SC
Lancaster	<i>Lancaster Airport</i>	<i>Manheim Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>Lancaster County Firemans Assoc Training School</i>	<i>West Lampeter Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	Lancaster County Motors	East Petersburg Borough	W	SC
Lancaster	Lancaster Dodge Stetler Auto (Formerly)	Manheim Twp	W	SC
Lancaster	Lancaster Leaf Tobacco Co of PA Inc	Lancaster City	W	SC
Lancaster	<i>Leola Exxon</i>	<i>Upper Leacock Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>Moats Service Center</i>	<i>Providence Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	Morris Motors	Lancaster City	W	SC
Lancaster	<i>Nelson Weaver and Sons Inc</i>	<i>Penn Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>New Holland North American</i>	<i>New Holland Borough</i>	<i>W</i>	<i>SC</i>
Lancaster	Novelty Mfg Co	Manheim Twp	W	SC
Lancaster	Pennfield Corp	East Hempfield Twp	W	SC
Lancaster	Pepsi Cola Opr Co - Lancaster Distribution Center	Manheim Borough	W	SC

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County	Name	Municipality	Type	Region
Lancaster	Playskool Facility (Formerly)	East Lampeter Twp	S	SC
Lancaster	<i>PPL</i>	<i>Columbia Borough</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>PPL</i>	<i>East Donegal Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>PPL</i>	<i>Lancaster City</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>PPL - Franklin Lehigh Substation</i>	<i>Lancaster City</i>	<i>W</i>	<i>SC</i>
Lancaster	<i>PPL</i>	<i>Lancaster City</i>	<i>W</i>	<i>SC</i>
Lancaster	PPL	Lititz Borough	W	SC
Lancaster	PPL	Penn Twp	W	SC
Lancaster	Red Rose Buick Suzuki	Manheim Twp	W	SC
Lancaster	Reese Metal Prod Corp	East Lampeter Twp	S	SC
Lancaster	<i>Rhoads Service Center</i>	<i>Leacock Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	Rohrerstown Lawn Mower Service	East Hempfield Twp	W	SC
Lancaster	Roy W Zimmerman and Sons	Ephrata Borough	W	SC
Lancaster	<i>Sholmartin's Garage</i>	<i>West Cocalico Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	Steffy Florists	East Hempfield Twp	W	SC
Lancaster	Sunoco	Ephrata Borough	W	SC
Lancaster	Supply Sales Co (Formerly Grinnell Corp)	Columbia Borough	W	SC
Lancaster	Taylor's Auto Repair	East Lampeter Twp	W	SC
Lancaster	<i>Topstar Columbia Mobil</i>	<i>West Hempfield Twp</i>	<i>W</i>	<i>SC</i>
Lancaster	Trailer Vlg Mobile Home Park	East Hempfield Twp	W	SC
Lancaster	Turkey Hill	Mt Joy Borough	W	SC
Lancaster	Tyco Elec (Formerly AMP Inc Elizabethtown)	Elizabethtown Borough	W	SC
Lancaster	<i>United Plastic Inc</i>	<i>Manheim Borough</i>	<i>W</i>	<i>SC</i>
Lawrence	Affiliated Metals and Minerals and Johnson Bronze II	New Castle	I	NW
Lawrence	Country Market (Formerly)	Manhoning Twp	W	NW
Lawrence	Double R Enterprises	New Castle	I	NW
Lawrence	<i>Ellwood City - Ellwood City Industrial Park</i>	<i>Ellwood City Borough</i>	<i>I</i>	<i>NW</i>
Lawrence	<i>Frenz Petroleum (State Route 422 Spill)</i>	<i>Slippery Rock Twp</i>	<i>W</i>	<i>NW</i>
Lawrence	Giant Eagle Plaza	New Castle	W	NW
Lawrence	Industrial Equipment Fabricators	Ellwood City Borough	I	NW
Lawrence	<i>Johnson Bronze</i>	<i>New Castle</i>	<i>I</i>	<i>NW</i>
Lawrence	New Castle Commerce Park Ext - Parcel 1, 3	New Castle	I	NW
Lawrence	Rockwell Facility (Formerly)	New Castle	I	NW
Lawrence	<i>Scullion Trucking</i>	<i>New Beaver Borough</i>	<i>W</i>	<i>NW</i>
Lawrence	Tic Toc Food Mart	North Beaver Twp	S	NW
Lebanon	<i>Aqua Chem Inc - Cleaver Brooks Division</i>	<i>West Lebanon Twp</i>	<i>S</i>	<i>SC</i>
Lebanon	<i>Atlantic A Plus (Formerly)</i>	<i>Lebanon City</i>	<i>W</i>	<i>SC</i>
Lebanon	Carmeuse PA Inc	North Londonderry Twp	W	SC
Lebanon	Charles and Cindy Stoudt Residence	Swatara Twp	W	SC
Lebanon	General Electric Environmental Services Inc	Lebanon City	S	SC
Lebanon	Ladd Hanford Used Auto Coral	North Lebanon Twp	S	SC
Lebanon	Lebanon Chemical Co dba Lebanon Seaboard Corp	South Lebanon Twp	S	SC
Lebanon	Lebanon Steel Foundry	Lebanon City	I	SC
Lebanon	<i>Mario Beneito Estate</i>	<i>East Hanover Twp</i>	<i>W</i>	<i>SC</i>
Lebanon	<i>Mt Gretna Borough</i>	<i>Mt Gretna Borough</i>	<i>W</i>	<i>SC</i>
Lebanon	National Retail Transportation	Myerstown Borough	W	SC
Lebanon	<i>ONO Service Center</i>	<i>East Hanover Twp</i>	<i>W</i>	<i>SC</i>
Lebanon	Pennfield Farms	Bethel Twp	S	SC
Lebanon	<i>Progress Parking Lot 5</i>	<i>Lebanon City</i>	<i>I</i>	<i>SC</i>
Lebanon	Progress Parking Lot 7	Lebanon City	I	SC
Lebanon	<i>Progress Parking Lots 9, 10, 12</i>	<i>Lebanon City</i>	<i>I</i>	<i>SC</i>
Lebanon	<i>Progress Parking Lot 4</i>	<i>Lebanon City</i>	<i>I</i>	<i>SC</i>
Lebanon	<i>Roy E Miller Inc</i>	<i>Palmyra Borough</i>	<i>S</i>	<i>SC</i>
Lebanon	Sun Quentin	West Cornwall Twp	S	SC
Lehigh	1801 E Tremont St Property	Allentown	W	NE
Lehigh	7 Eleven Gas Station 21109	Macungie Borough	W	NE
Lehigh	Air Prod and Chemical Engineering Systems Welding Prod	Allentown	S	NE

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Lehigh	Allentown Bar and Restaurant Supply	Allentown	W	NE
Lehigh	<i>Bethlehem Iron Works</i>	<i>Salisbury Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	Bridgeworks Industrial Site	Allentown	I	NE
Lehigh	Conewago Equities	Hanover Twp	W	NE
Lehigh	Eli Deily Residence	Allentown	W	NE
Lehigh	<i>Graner Property Remediation</i>	<i>Lowhill Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	Hahn Contracting	Allentown	S	NE
Lehigh	Lafarge Whitehall Plant	Whitehall Twp	W	NE
Lehigh	Lehigh Landing Project	Allentown	I	NE
Lehigh	Lorenze C Reichard Residence	Whitehall Twp	W	NE
Lehigh	Luning Park Ltd Liability & Bosman Ltd	Allentown	S	NE
Lehigh	<i>Paris Accessories Facility</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	Penn Linen & Uniform Services	Bethlehem	W	NE
Lehigh	Penn Reed & Harness	Allentown	W	NE
Lehigh	Pfizer	Washington Twp	W	NE
Lehigh	<i>PPL</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	PPL	Allentown	W	NE
Lehigh	<i>PPL</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Bethlehem</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Bethlehem</i>	<i>W</i>	<i>NE</i>
Lehigh	PPL	Bethlehem	W	NE
Lehigh	<i>PPL</i>	<i>Emmaus Borough</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Emmaus Borough</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Lower Macungie Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>South Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>South Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>South Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Upper Macungie Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Upper Milford Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	<i>PPL</i>	<i>Whitehall Twp</i>	<i>W</i>	<i>NE</i>
Lehigh	PPL	Whitehall Twp	W	NE
Lehigh	PPL - Cetronia Substation	Allentown	W	NE
Lehigh	PPL - Greenleaf Substation	Allentown	W	NE
Lehigh	<i>PPL - Jasper Substation</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	PPL - Meadow Substation	Allentown	W	NE
Lehigh	PPL - S 1st St Substation	Emmaus Borough	W	NE
Lehigh	PPL - S 4th St Substation	Allentown	W	NE
Lehigh	PPL - S 6th St Substation	Emmaus Borough	W	NE
Lehigh	Primages	Coopersburg Borough	W	NE
Lehigh	Queen City Bus Center	Allentown	S	NE
Lehigh	Robert Morgan Residence	Allentown	W	NE
Lehigh	<i>Solarek Property</i>	<i>Allentown</i>	<i>W</i>	<i>NE</i>
Lehigh	Spirax Sarco	Allentown	S	NE
Lehigh	Van Horn Residence	Allentown	W	NE
Luzerne	<i>Addy Asphalt Co</i>	<i>Wilkes-Barre</i>	<i>W</i>	<i>NE</i>
Luzerne	Chromatex Plant 1	West Hazleton Borough	S	NE
Luzerne	Crown American - Wyoming Valley Mall	Wilkes-Barre Twp	B	NE
Luzerne	Dorothy Logan Residence	Plains Twp	W	NE

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
 NE: Northeast NC: Northcentral NW: Northwest I: Industrial W: Statewide

Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Luzerne	Shapiro Steel (Formerly)	Wilkes-Barre	I	NE
Luzerne	<i>James Lawrence Brown Property</i>	<i>Kingston Twp</i>	<i>W</i>	<i>NE</i>
Luzerne	Luciw Farm	Salem Twp	W	NE
Luzerne	<i>Nicholson Steam Trap</i>	<i>Wilkes-Barre</i>	<i>B</i>	<i>NE</i>
Luzerne	PPL	Hazleton Twp	W	NE
Luzerne	<i>PPL</i>	<i>Hazleton Twp</i>	<i>W</i>	<i>NE</i>
Luzerne	<i>PPL</i>	<i>West Hazleton Borough</i>	<i>W</i>	<i>NE</i>
Luzerne	<i>PPL</i>	<i>West Pittston Borough</i>	<i>W</i>	<i>NE</i>
Luzerne	<i>PPL</i>	<i>Wilkes-Barre</i>	<i>W</i>	<i>NE</i>
Luzerne	<i>PPL</i>	<i>Wilkes-Barre</i>	<i>W</i>	<i>NE</i>
Luzerne	PPL	Wilkes-Barre	W	NE
Luzerne	PPL	Wilkes-Barre	W	NE
Luzerne	PPL - Harwood Steam Electric Station	Hazle Twp	W	NE
Luzerne	<i>PPL - Avoca Substation</i>	<i>Avoca Borough</i>	<i>W</i>	<i>NE</i>
Luzerne	<i>PPL - Beekman Substation</i>	<i>Wilkes-Barre</i>	<i>W</i>	<i>NE</i>
Luzerne	<i>PPL - Buttonwood Substation</i>	<i>Hazleton Twp</i>	<i>W</i>	<i>NE</i>
Luzerne	PPL - Pittston Substation	Pittston	W	NE
Luzerne	<i>PPL - Sullivan Trail Substation</i>	<i>Exeter Twp</i>	<i>W</i>	<i>NE</i>
Luzerne	PPL - W Pittston Decommissioned Substation	West Pittston Borough	W	NE
Luzerne	PPL - Horton Substation	Wilkes-Barre	W	NE
Luzerne	Ray W Turner Jr Residence	Franklin Twp	W	NE
Luzerne	<i>Sandusky Lewis Facility</i>	<i>West Hazleton Borough</i>	<i>W</i>	<i>NE</i>
Luzerne	Sun Pipeline Hess Mt	Hollenback Twp	W	NE
Luzerne	Wilkes-Barre General Hospital	Wilkes-Barre	W	NE
Luzerne	Wilkes-Barre Public Works Garage Property (Formerly)	Wilkes-Barre Twp	I	NE
Lycoming	Anchor-Darling Valve Co	Williamsport	S	NC
Lycoming	<i>Andritz Sprout Bauer Inc</i>	<i>Muncy Borough</i>	<i>B</i>	<i>NC</i>
Lycoming	<i>Coley's Auto Salvage</i>	<i>Loyalsock Twp</i>	<i>W</i>	<i>NC</i>
Lycoming	Greystone Property (Formerly)	Williamsport	I	NC
Lycoming	Linear Dynamics	Montgomery Borough	S	NC
Lycoming	Linear Dynamics Inc	Muncy Twp	W	NC
Lycoming	Montour Auto Oil Co	Montoursville Borough	S	NC
Lycoming	Ocker's Fuel Oil Inc	Loyalsock Twp	S	NC
Lycoming	<i>Penn Garment</i>	<i>Old Lycoming Twp</i>	<i>S</i>	<i>NC</i>
Lycoming	<i>PPL</i>	<i>Muncy Creek Twp</i>	<i>W</i>	<i>NC</i>
Lycoming	PPL	Eldred Twp	W	NC
Lycoming	Sel Lo Oil Inc (Gasoline Tanker Spill)	Muncy Creek Twp	W	NC
Lycoming	Stroehmann Bakeries Roll Plant	Old Lycoming Twp	W	NC
Lycoming	Susquehanna Supply	Williamsport	S	NC
Lycoming	<i>Textron-Lycoming Service Center</i>	<i>Montoursville Borough</i>	<i>W</i>	<i>NC</i>
Lycoming	Vanderlin Cleaners	Williamsport	I	NC
Lycoming	<i>Williamsport National Bank (Paul Welch)</i>	<i>Williamsport</i>	<i>I</i>	<i>NC</i>
Lycoming	Williamsport Wirerope Works Inc	Williamsport	S	NC
Lycoming	Woloshyn Facility	Woodward Twp	W	NC
McKean	Allegheny Bradford Corp	Lewis Run Borough	I	NW
McKean	<i>Keystone Powdered Metal Co</i>	<i>Lewis Run Borough</i>	<i>I</i>	<i>NW</i>
Mercer	Caparo Steel Company (Duferco)	Farrell	I	NW
Mercer	<i>City of Farrell - Sharon Steel Coil Yard</i>	<i>Farrell</i>	<i>I</i>	<i>NW</i>
Mercer	Nicholas Cianci/Greenville Outparcels LLC	Greenville Borough	W	NW
Mercer	Pennsylvania State Game Lands - Shenango Area 415	South Pymatuning Twp	W	NW
Mercer	Perrine Oils	Hermitage Twp	I	NW
Mercer	<i>Roemer Industries</i>	<i>Sharon</i>	<i>B</i>	<i>NW</i>
Mercer	<i>Shenango Valley IDC - Caparo Finishing Division B</i>	<i>Farrell</i>	<i>W</i>	<i>NW</i>
Mercer	<i>SVIDC - Sharon Steel Billet Yard</i>	<i>Farrell</i>	<i>I</i>	<i>NW</i>
Mifflin	Burnham Mini Mart	Derry Twp	B	SC
Mifflin	<i>Hilltop Laundry</i>	<i>Lewistown Borough</i>	<i>W</i>	<i>SC</i>

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
<i>Mifflin</i>	<i>Kilgore Facility (Formerly)</i>	<i>Armagh Twp</i>	<i>S</i>	<i>SC</i>
Mifflin	Krentzman - Charles St	Lewistown Borough	S	SC
Mifflin	Lemac Foundry (Formerly)	Decatur Twp	W	SC
Mifflin	Masland Lewistown	Granville Twp	W	SC
Mifflin	Mifflin County Subaru Motors (Formerly)	Armagh Twp	S	SC
Mifflin	Ray Byler Property	Lewistown Borough	S	SC
<i>Monroe</i>	<i>PPL</i>	<i>Paradise Twp</i>	<i>W</i>	<i>NE</i>
Montgomery	111th Fighter Wing PA National Guard	Horsham Twp	W	SE
Montgomery	411 Carmichael Property	Upper Gwynedd Twp	W	SE
Montgomery	Abington Shop Center	Abington Twp	S	SE
<i>Montgomery</i>	<i>Annex Mfg</i>	<i>Pennsburg Borough</i>	<i>W</i>	<i>SE</i>
<i>Montgomery</i>	<i>ARTCO Corp</i>	<i>Hatfield Twp</i>	<i>S</i>	<i>SE</i>
Montgomery	Ashbourne Cleaners	Cheltenham Twp	S	SE
<i>Montgomery</i>	<i>Auto National USA Corp</i>	<i>Plymouth Twp</i>	<i>B</i>	<i>SE</i>
Montgomery	Automatic Timing and Controls	Upper Merion Twp	S	SE
<i>Montgomery</i>	<i>AVO International Inc</i>	<i>Plymouth Twp</i>	<i>S</i>	<i>SE</i>
<i>Montgomery</i>	<i>Benson East Apt Facility</i>	<i>Abington Twp</i>	<i>W</i>	<i>SE</i>
Montgomery	Braun Iron Works	Upper Moreland Twp	B	SE
Montgomery	Braun Iron	Upper Moreland Twp	B	SE
Montgomery	Chemo Graphics	Whitpain Twp	W	SE
Montgomery	Cognis Corp Ballfield Property	Lower Gwynedd Twp	W	SE
<i>Montgomery</i>	<i>Collegeville Assoc LP</i>	<i>Collegeville Borough</i>	<i>S</i>	<i>SE</i>
<i>Montgomery</i>	<i>Commonwealth Corp Center</i>	<i>Horsbam Twp</i>	<i>B</i>	<i>SE</i>
Montgomery	Dallas Miller Service Center	Douglass Twp	W	SE
Montgomery	Domino Salvage Inc	Plymouth Twp	B	SE
<i>Montgomery</i>	<i>East Norriton Shopping Center</i>	<i>East Norriton Twp</i>	<i>B</i>	<i>SE</i>
Montgomery	Edelman's Sporting Goods	Montgomery Twp	W	SE
Montgomery	Elf Atochem North America/Tech Center	Upper Merion Twp	B	SE
<i>Montgomery</i>	<i>Estate of George Hutt Jr</i>	<i>Worcester Twp</i>	<i>W</i>	<i>SE</i>
<i>Montgomery</i>	<i>Exxon - RS 2 2423</i>	<i>Souderton Borough</i>	<i>W</i>	<i>SE</i>
Montgomery	Five Tower Bridge	W Conshohocken Borough	W	SE
Montgomery	Ford Electronics & Refrigeration Corp	Lansdale Borough	W	SE
Montgomery	Gary's Plaza Shop Complex	Lansdale Borough	S	SE
Montgomery	Glasgow Bridgeport Facility	Upper Merion Twp	W	SE
Montgomery	Gravers Rd Asbestos Site	Plymouth Twp	W	SE
Montgomery	Hale Products Inc	Conshohocken Borough	W	SE
Montgomery	Horslys Auto Inc	Lower Merion Twp	W	SE
<i>Montgomery</i>	<i>Hostrander Residence</i>	<i>East Norriton Twp</i>	<i>W</i>	<i>SE</i>
<i>Montgomery</i>	<i>Jade Holdings Inc</i>	<i>Lower Moreland Twp</i>	<i>W</i>	<i>SE</i>
<i>Montgomery</i>	<i>James A Stimmler Inc - AOC</i>	<i>Worcester Twp</i>	<i>W</i>	<i>SE</i>
<i>Montgomery</i>	<i>James A Stimmler Inc - Loading Rack</i>	<i>Worcester Twp</i>	<i>W</i>	<i>SE</i>
<i>Montgomery</i>	<i>Jeffersonville Shopping Center</i>	<i>West Norriton Twp</i>	<i>W</i>	<i>SE</i>
Montgomery	Keystone Coke Co	Upper Merion Twp	W	SE
Montgomery	Kulp Residence	Schwenksville Borough	W	SE
Montgomery	LB Smith Property	Plymouth Twp	S	SE
<i>Montgomery</i>	<i>Rhoads Metals Fabrication and Maintenance Service Inc</i>	<i>Lower Moreland Twp</i>	<i>B</i>	<i>SE</i>
<i>Montgomery</i>	<i>MB Land Co</i>	<i>Horsbam Twp</i>	<i>B</i>	<i>SE</i>
<i>Montgomery</i>	<i>Melody Dry Cleaners</i>	<i>Cheltenham Twp</i>	<i>S</i>	<i>SE</i>
Montgomery	Metroplex Corp Center	Plymouth Twp	S	SE
Montgomery	Metroplex Shopping Center	Plymouth Twp	S	SE
Montgomery	Millenium/The Center for Internet Excellence	Conshohocken Borough	I	SE
<i>Montgomery</i>	<i>Montgomery Equities Inc</i>	<i>Plymouth Twp</i>	<i>W</i>	<i>SE</i>
Montgomery	Moreland Bus Park	Lower Moreland Twp	W	SE

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Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Montgomery	Murata Weidmann Inc Site	Upper Merion Twp	B	SE
Montgomery	National Label Co	Whitemarsh Twp	W	SE
Montgomery	New Life Youth and Family Service	Lower Salford Twp	W	SE
Montgomery	One Man Quarry	Worcester Twp	W	SE
Montgomery	One Montgomery Plaza	Norristown Borough	W	SE
Montgomery	Oslou Corp	Lower Merion Twp	W	SE
Montgomery	PECO - Hanover Substation	Pottstown Borough	S	SE
Montgomery	Pleasant Valley Bus Center	Conshohocken Borough	I	SE
Montgomery	PPL	Souderton Borough	W	SE
Montgomery	PPL	Souderton Borough	W	SE
Montgomery	PPL	East Greenville	W	SE
Montgomery	Preferred Real Estate Investments	Plymouth Twp	W	SE
Montgomery	Proietto Property	Conshohocken Borough	W	SE
Montgomery	Reiniger Bros Inc & Reiniger Bros	Upper Merion Twp	W	SE
Montgomery	Remolde Residence	Lower Providence Twp	W	SE
Montgomery	Santoni Residence	Lower Providence Twp	W	SE
Montgomery	Saylor Residence	Horsham Twp	W	SE
Montgomery	Schuylkill Valley Oil Co Property	Pottstown Borough	W	SE
Montgomery	Service Station	Lower Merion Twp	W	SE
Montgomery	SGS Thomson Microelectronics	Montgomery Twp	S	SE
Montgomery	South Ardmore Redevelopment Project	Lower Merion Twp	S	SE
Montgomery	Spring Mill Development Inc	Plymouth Twp	S	SE
Montgomery	Spring Mill Estates - North Parcel	Upper Providence Twp	W	SE
Montgomery	Station Sq Parcel	Whitemarsh Twp	W	SE
Montgomery	Synthane Taylor - Betzwood Facility	West Norriton Twp	W	SE
Montgomery	The Korman Co	West Norriton Twp	W	SE
Montgomery	Tower Bridge North #6	Conshohocken Borough	W	SE
Montgomery	Trust of Samuel H Keiser	Pottstown Borough	W	SE
Montgomery	Unisys Corp - Blue Bell	Whitpain Twp	W	SE
Montgomery	Van Buren Assoc LP	Norristown Borough	B	SE
Montgomery	Vicam Corp	Upper Providence Twp	W	SE
Montgomery	Vilsmeier Auction Co	Horsham Twp	W	SE
Montour	Doug Hawkins Residence	Mayberry Twp	W	NC
Montour	Svedala (Kennedy Van Saun)	Danville Borough	W	NC
Montour	TRW Inc - Valve Division, Danville Plant	Danville Borough	S	NC
Northampton	Bahr Residence	Bushkill Twp	W	NE
Northampton	Bethlehem Steel Corp - Webster St	Bethlehem	S	NE
Northampton	Bethlehem Works Site	Bethlehem	I	NE
Northampton	BRW Realty Inc	Bangor Borough	W	NE
Northampton	Chrin Bros Sanitary Landfill	Williams Twp	W	NE
Northampton	Corporate Real Estate LTD	Washington Twp	W	NE
Northampton	Dorothy Teel Residence	Upper Mt Bethel Twp	W	NE
Northampton	Easton Roundhouse	Easton	I	NE
Northampton	Edward Hill Property	Lower Saucon Twp	W	NE
Northampton	Union Station Plaza (Formerly)	Bethlehem	W	NE
Northampton	Fred J Wirth Residence	Wilson Borough	W	NE
Northampton	Heraeus Amersil	Upper Mt Bethel Twp	S	NE
Northampton	Industrial Engraving - Knox Facility	Forks Twp	S	NE
Northampton	Industrial Engraving Corp	Wilson Borough	S	NE
Northampton	James Davis Residence	Wilson Borough	W	NE
Northampton	James Meilinger Property	Bethlehem	W	NE
Northampton	John E Brensinger Jr Residence	Moore Twp Residence	W	NE
Northampton	Kevin Bendzlowicz Residence	East Allen Twp	W	NE
Northampton	Lafarge Corporation - Lot 3	Northampton Borough	W	NE
Northampton	PPL - Tatamy Substation	Tatamy Borough	W	NE
Northampton	Peter J Behrens Residence	Bethlehem	W	NE
Northampton	Petrilla Fuel	Bethlehem	W	NE

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Northampton	PPL	Allen Twp	W	NE
Northampton	PPL	Allen Twp	W	NE
Northampton	PPL	Lower Mt Bethel Twp	W	NE
Northampton	PPL - Canal Substation (Decommissioned)	Northampton Borough	W	NE
Northampton	PPL - Didier Substation (Decommissioned)	Bethlehem	W	NE
Northampton	PPL - Madison Ave Substation	Bethlehem	W	NE
Northampton	PPL - Pembroke Substation (Decommissioned)	Bethlehem	W	NE
Northampton	PPL - Shawnee Substation (Decommissioned)	Bethlehem	W	NE
Northampton	PPL - South Catasauqua Substation	North Catasauqua Borough	W	NE
Northampton	Slatebelt Industrial Center	Pen Argyl Borough	S	NE
Northampton	Trenholm Property	Upper Mt Bethel Twp	W	NE
Northumberland	Agway Inc (Dalmatia Fertilizer)	Lower Mahanoy Twp	W	NC
Northumberland	ARI Industrial Shippers - Car Line Division, South Plant	West Chillisquaque Twp	W	NC
Northumberland	Bituminous Emulsion Co	Point Twp	S	NC
Northumberland	Garnier Portfolio Site	Sunbury	W	NC
Northumberland	Gass Residence	Sunbury	W	NC
Northumberland	Herman Banks Scrapyard	West Chillisquaque Twp	S	NC
Northumberland	PG Energy of Sunbury	Sunbury	W	NC
Northumberland	PPL	Milton Borough	W	NC
Northumberland	PPL	Mt Carmel Borough	W	NC
Northumberland	PPL	Sunbury	W	NC
Northumberland	PPL	East Cameron Twp	W	NC
Northumberland	Scullin Oil Co	Sunbury	S	NC
Northumberland	USA Waste Management	West Chillisquaque Twp	W	NC
Northumberland	Yocum Residence	Coal Twp	W	NC
Perry	Duncannon Borough Municipal Office	Duncannon Borough	W	SC
Perry	Johnsons Motor Co	Tyrone Twp	W	SC
Perry	Rye Twp Bldg	Rye Twp	W	SC
Philadelphia	10 East Wolf St	Philadelphia	I	SE
Philadelphia	18th & Callowhill Sis	Philadelphia	W	SE
Philadelphia	3600 Reed St Property	Philadelphia	S	SE
Philadelphia	7500 State Rd Property	Philadelphia	S	SE
Philadelphia	Action Arm Ltd	Philadelphia	B	SE
Philadelphia	American Cable Co Facility	Philadelphia	S	SE
Philadelphia	Amtrak - Richmond Station	Philadelphia	W	SE
Philadelphia	AT Chadwick Co/Wallingford Apts	Philadelphia	W	SE
Philadelphia	B&W Associates	Philadelphia	W	SE
Philadelphia	Baxter Residence	Philadelphia	W	SE
Philadelphia	Blue Ribbon Enterprise Inc	Philadelphia	W	SE
Philadelphia	Bustleton Partners Seamans	Philadelphia	W	SE
Philadelphia	Canada Dry - Delaware Valley	Philadelphia	S	SE
Philadelphia	Cannon-Sline	Philadelphia	W	SE
Philadelphia	Clinton Garage	Philadelphia	W	SE
Philadelphia	Connelly Paper Mill - Container Site	Philadelphia	W	SE
Philadelphia	Defense Supply Center - Philadelphia	Philadelphia	I	SE
Philadelphia	Dodge Steel Castings	Philadelphia	W	SE
Philadelphia	East Central Incinerator Property	Philadelphia	I	SE
Philadelphia	Eastern Side/Philadelphia Naval Hospital/Groundwater	Philadelphia	S	SE
Philadelphia	Eastern Side/Philadelphia Naval Hospital/Soil	Philadelphia	S	SE
Philadelphia	Flying Carport Inc	Philadelphia	S	SE
Philadelphia	FP Woll & Co Facility	Philadelphia	W	SE
Philadelphia	Globe Industrial Inc Facility	Philadelphia	S	SE
Philadelphia	Greenway Court Apts	Philadelphia	S	SE

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
 NE: Northeast NC: Northcentral NW: Northwest I: Industrial W: Statewide

Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Philadelphia	HCA Inc	Philadelphia	W	SE
Philadelphia	Heintz Corp	Philadelphia	S	SE
Philadelphia	Hyman Korman Co	Philadelphia	W	SE
Philadelphia	James Armour	Philadelphia	S	SE
Philadelphia	Krouse Property	Philadelphia	W	SE
Philadelphia	Kvaerner Philadelphia Shipyard Inc	Philadelphia	I	SE
Philadelphia	Major Oil Co	Philadelphia	W	SE
Philadelphia	Market Sq Chestnut Hill/Mkt Sq Cleaners Facility	Philadelphia	S	SE
Philadelphia	Modern Laundry	Philadelphia	S	SE
Philadelphia	National Brands Distr	Philadelphia	W	SE
Philadelphia	National Publishing Co	Philadelphia	W	SE
Philadelphia	National Railroad Passenger Corp	Philadelphia	W	SE
Philadelphia	Northeast Fence & Ironworks	Philadelphia	S	SE
Philadelphia	Northern Group Inc	Philadelphia	I	SE
Philadelphia	NTL Linen Services	Philadelphia	S	SE
Philadelphia	O'Brien Residence	Philadelphia	W	SE
Philadelphia	Olney Assoc	Philadelphia	S	SE
Philadelphia	One and Olney Sq Shopping Center	Philadelphia	S	SE
Philadelphia	Orfa Corp of America	Philadelphia	I	SE
Philadelphia	PA College of Optometry	Philadelphia	W	SE
Philadelphia	PECO - Germantown Service Facility	Philadelphia	W	SE
Philadelphia	PECO - Southwark Service Bldg	Philadelphia	W	SE
Philadelphia	PennDOT	Philadelphia	I	SE
Philadelphia	Penn Ventilation Inc	Philadelphia	W	SE
Philadelphia	Pennypack Realty Co	Philadelphia	S	SE
Philadelphia	Philadelphia Industrial Correction Center	Philadelphia	W	SE
Philadelphia	Philadelphia Redevelopment Auth (Stenton Ave & Haines St)	Philadelphia	W	SE
Philadelphia	Philadelphia Reg Port Auth - Pier 80, South Annex	Philadelphia	W	SE
Philadelphia	Philadelphia Reg Port Auth - Tioga Maint Bldg/Carpenter	Philadelphia	W	SE
Philadelphia	PNC Bank NA	Philadelphia	S	SE
Philadelphia	Progress Lighting	Philadelphia	S	SE
Philadelphia	Quaker Lace Co	Philadelphia	W	SE
Philadelphia	Rite Aide Pharmacy	Philadelphia	B	SE
Philadelphia	Scholler Inc	Philadelphia	S	SE
Philadelphia	Sears Logistics Service Inc	Philadelphia	S	SE
Philadelphia	Slonaker Millworking Co	Philadelphia	S	SE
Philadelphia	South 71st St Property/Alto Sign	Philadelphia	S	SE
Philadelphia	South Whit Shopping Center Assoc	Philadelphia	W	SE
Philadelphia	Sovereign Oil Site	Philadelphia	I	SE
Philadelphia	Transit America Inc	Philadelphia	S	SE
Philadelphia	US Can Co	Philadelphia	B	SE
Philadelphia	US Plywood Corp Facility	Philadelphia	I	SE
Philadelphia	Valhal Corp	Philadelphia	W	SE
Philadelphia	Van Waters & Rogers - Philadelphia Facility	Philadelphia	S	SE
Philadelphia	Viz Mfg Co	Philadelphia	S	SE
Philadelphia	Walter Weaver Residence	Philadelphia	W	SE
Philadelphia	Wissahickon Industrial Center	Philadelphia	W	SE
Philadelphia	Xpress Lube	Philadelphia	W	SE
Pike	Helfrich Residence	Palmyra Twp	W	NE
Pike	Milford Inn	Milford Borough	W	NE
Pike	Paradise Lake Retreat Center	Lehman Twp	W	NE
Pike	PPL	Palmyra Twp	W	NE
Pike	PPL	Porter Twp	W	NE
Potter	Adelphia Communications Inc	Coudersport Borough	W	NC
Potter	Potter County Industrial Park - Northern	Coudersport Borough	I	NC
Potter	Potter County Industrial Park - Southern	Coudersport Borough	I	NC
Potter	Ziegenfus Property	West Branch Twp	W	NC

Appendix 2 ■ Land Recycling Program Cleanups

County	Name	Municipality	Type	Region
Schuylkill	<i>Antaloski Property</i>	<i>Frackville Borough</i>	W	NE
Schuylkill	Bud Development Co	Tamaqua Borough	W	NE
Schuylkill	<i>Coleman Residence</i>	<i>Coaldale Borough</i>	W	NE
Schuylkill	Hart Metals	Tamaqua Borough	W	NE
Schuylkill	ICI Explosives - Wakefield Property	Walker Twp	S	NE
Schuylkill	<i>ICI Explosives USA Inc</i>	<i>Walker Twp</i>	S	NE
Schuylkill	<i>Lois Bennick Residence</i>	<i>Hegins Twp</i>	W	NE
Schuylkill	Moen of PA	Pine Grove Twp	S	NE
Schuylkill	<i>PPL</i>	<i>Pottsville</i>	W	NE
Schuylkill	PPL	Pottsville	W	NE
Schuylkill	PPL - Brockton Substation	Schuylkill Twp	W	NE
Schuylkill	<i>PPL - Oneida Substation (Formerly)</i>	<i>East Union Twp</i>	W	NE
Schuylkill	PPL - Tamaqua Gas Plant (Decommissioned)	Tamaqua Borough	S	NE
Schuylkill	<i>Ray Brady Residence</i>	<i>St Clair Borough</i>	W	NE
Snyder	Boscov's Auto Center	Monroe Twp	W	NC
Snyder	Poloron	Middleburg Borough	I	NC
Somerset	<i>Bald Knob Relay Tower</i>	<i>Shade Twp</i>	W	SW
Somerset	<i>Koch Materials</i>	<i>Windber Borough</i>	W	SW
Somerset	Sandy Gohn Residence	Jennerstown Borough	W	SW
Tioga	Costy's Used Truck & Auto Parts Inc	Putnam Twp	W	NC
Tioga	Dresser Industries	Delmar Twp	W	NC
Tioga	Lawrenceville Exxon	Lawrenceville Borough	I	NC
Tioga	North Penn Gas - State Line Metering Facility	Lawrenceville Borough	W	NC
Union	Penn Fuel Gas - Lewisburg	Lewisburg Borough	S	NC
Union	Playworld Systems	New Berlin Borough	S	NC
Union	<i>Rohrer Bus Service</i>	<i>Buffalo Twp</i>	W	NC
Union	<i>Smartbuys Store</i>	<i>Mifflinburg Borough</i>	W	NC
Venango	Brown Boiler and Tanks Works Facility	Franklin	I	NW
Venango	Chicago Pneumatic Tool	Franklin	I	NW
Venango	Franklin Industries Co	Franklin	I	NW
Venango	<i>Graham Packaging Facility</i>	<i>Oil City</i>	W	NW
Warren	<i>National Forge</i>	<i>Brokenstraw Twp</i>	S	NW
Warren	<i>Spedd Inc (Formerly Struthers Wells Facility)</i>	<i>Warren Borough</i>	I	NW
Washington	<i>Amcast/Flagg Brass Superior Valve Facility</i>	<i>Chartiers Twp</i>	S	SW
Washington	<i>BP Oil</i>	<i>Canonsburg Borough</i>	W	SW
Washington	Charles Pleska Residence	Jefferson Twp	W	SW
Washington	Columbia Gas Transmission - Washington Operation Center	South Strabane Twp	S	SW
Washington	<i>Combustion Engineering Inc</i>	<i>Cecil Twp</i>	W	SW
Washington	Corning Consumer Prod Co	Charleroi Borough	W	SW
Washington	<i>Dean's Water Service Inc</i>	<i>Canon Twp</i>	W	SW
Washington	Dyno Nobel Inc	Donora Borough	S	SW
Washington	Engineered Products Inc Property	Canonsburg Borough	W	SW
Washington	<i>National Granulating Corp Inc Facility (Formerly)</i>	<i>Washington City</i>	W	SW
Washington	New Eagle Borough Municipal Sewer Auth	New Eagle Borough	S	SW
Washington	Reliance Electric - Rockwell Automation	Washington City	W	SW
Washington	Republic Steel Clyde Mine Preparation Plant	East Bethlehem Twp	W	SW
Washington	Washington Co Redevelopment Auth - Ingersoll-Rand Plant	Charleroi Borough	I	SW
Wayne	<i>Bruner Residence</i>	<i>South Canaan Twp</i>	W	NE
Wayne	<i>Haas Property</i>	<i>South Canaan Twp</i>	W	NE
Wayne	<i>PPL</i>	<i>Berlin Twp</i>	W	NE
Wayne	<i>PPL</i>	<i>Canaan Twp</i>	W	NE
Wayne	<i>PPL</i>	<i>Salem Twp</i>	W	NE
Wayne	PPL - Honesdale Gas Plant	Honesdale Borough	S	NE

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
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Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

County	Name	Municipality	Type	Region
Westmoreland	Alcoa Pilot Atomizewr	Upper Burrell Twp	W	SW
Westmoreland	Bushy Run Research Center (BRRC)	Penn Twp	W	SW
Westmoreland	Hyde Park Foundry	Hyde Park Borough	S	SW
Westmoreland	Jeannette Industrial Redevelopment Project	Jeannette	I	SW
Westmoreland	Latrobe Plastic Company	Derry Twp	S	SW
Westmoreland	Mark R Nabuda Property	Trafford Borough	W	SW
Westmoreland	Monessen Riverfront Redevelopment Project - Phase 1	Monessen	I	SW
Westmoreland	Morgan Matroc GBC Engineered Ceramics	Unity Twp	W	SW
Westmoreland	Norwin Dodge Facility	North Huntingdon Twp	S	SW
Westmoreland	O'Donnell's Ambulance Service (Formerly)	North Huntingdon Twp	W	SW
Westmoreland	Porcelain Park (Formerly Industrial Ceramics)	Derry Borough	S	SW
Westmoreland	St George Crystal Ltd	Jeannette	S	SW
Westmoreland	Timken Latrobe Cap Works	Latrobe Borough	W	SW
Westmoreland	Unipack Inc - Chemlawn Bldg	Murrysville Borough	W	SW
Westmoreland	Valley Vulcan Mold Site	Latrobe Borough	W	SW
Westmoreland	Westinghouse Specialty Coating Div Facility	Manor Borough	S	SW
Wyoming	Linda Shoemaker Residence	Lemon Twp	W	NE
Wyoming	PPL	Overfield Twp	W	NE
York	ACCO	York City	I	SC
York	All First Bank - 305 Hill St Property	Spring Garden Twp	B	SC
York	American Insulator Co (Formerly NFO Partners Site)	New Freedom Borough	W	SC
York	American Insulator Property	New Freedom Borough	W	SC
York	AMP - Larue Bldg 31	Codorus Twp	W	SC
York	Boundary Ave Corridor	York City	I	SC
York	Capital City Airport	Fairview Twp	S	SC
York	Caterpillar Tractor	Springettsbury Twp	S	SC
York	Cole Division Litton Business Systems Inc	Springettsbury Twp	B	SC
York	Columbia Gas Grant St	York City	S	SC
York	Conrads Delicatessen	York City	I	SC
York	Cooley Residence	Lower Windsor Twp	W	SC
York	Defense Distribution - East Region	Fairview Twp	S	SC
York	EI Dupont De Nemours & Co	Fairview Twp	S	SC
York	Electrochem	York City	I	SC
York	Esab Welding & Cutting Prod	Penn Twp	W	SC
York	Godfreys Texaco Station (Formerly AM Strickler Inc)	West Manchester Twp	I	SC
York	Hannah Penn Middle School	York City	W	SC
York	Hess Exxon	Franklintown Borough	I	SC
York	Highland Industrial Park	Springettsbury Twp	W	SC
York	HMW Enterprises	Fairview Twp	S	SC
York	Jomax Garment Facility - York Redevelopment Auth	York City	I	SC
York	Ken's Service Station	East Prospect Borough	W	SC
York	Keystone Distr Center Inc	Penn Twp	W	SC
York	LG Potato Chip Co	West Manchester Twp	B	SC
York	Liberty Mach Co	York Twp	W	SC
York	M&M Realty - L Lavetan & Sons Inc Property	West Manchester Twp	S	SC
York	Martin Dubbs Residence	Dover Twp	W	SC
York	Morris Residence	Dover Twp	W	SC
York	Nello Tire	Springettsbury Twp	S	SC
York	Osram Sylvania Prod Inc	West Manchester Twp	S	SC
York	PH Glatfelter Co	Spring Grove Borough	W	SC
York	Pepsi Cola Operating Co	Spring Garden Twp	W	SC
York	PPL	Fairview Twp	W	SC
York	Schmucks Tailors & Cleaners	York Twp	W	SC
York	Schuchart Oil & Propane (Formerly Emeco Lagoon)	Hanover Borough	W	SC
York	Shultz Enterprises Property - Lot 3	Hanover Borough	W	SC
York	Smokestack	York City	S	SC
York	Sunny Farms Landfill	North Codorus Twp	W	SC

Appendix 2 ■ Land Recycling Program Cleanups

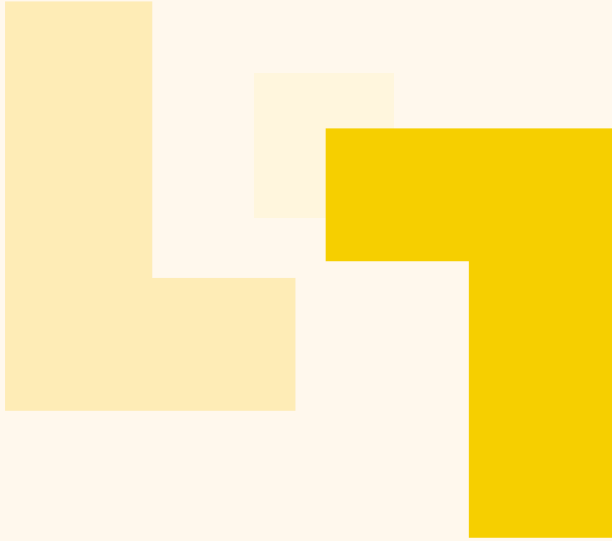
County	Name	Municipality	Type	Region
York	Teledyne Readco	Spring Garden Twp	S	SC
York	Thonet	York City	I	SC
York	Tyco Electronics Corp (Formerly AMP Inc - Brodbeck's)	Codorus Twp	B	SC
York	WR Meadows	West Manchester Twp	S	SC
York	Waterfield Mortgage Co	Lower Windsor Twp	W	SC
York	William Beichart Inc	West Manheim Twp	W	SC
York	Woodmaster Prod	Dallastown Borough	W	SC
York	York International - Grantley Facility	Spring Garden Twp	W	SC

Region: SE: Southeast SC: Southcentral SW: Southwest **Cleanup Type:** B: Background S: Site-Specific
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Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

Appendix 3

Financial Assistance



Over the past five years, municipalities, non-profit organizations and private companies have received about \$27.3 million to assess and clean up contaminated sites. This year, 55 grants and two loans were issued by DCED. The grants totaled \$10,159,995 and the loans were for \$3,275,000. A total of 166 grants and 10 loans have been issued under Act 2 and Act 4, and administered by DCED.

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Adams	Dodge-Regupol Inc/ Performance Loan	Recycling Technologies International	L	3,200,000		■	SC
Adams	Service Station (Formerly)	Al Prueitt	L	22,500	■		SC
Allegheny	Barna Machine (Formerly)	West-to-West Coalition	G	52,470	■		SW
Allegheny	Gasoline Service Station (Formerly)	Mt Lebanon Borough	G	11,047	■		SW
Allegheny	Gasoline Station Lysle Blvd (Formerly)	City of McKeesport Redevelopment Auth	G	11,925	■		SW
Allegheny	Glassport Rail Yard (Formerly)	West-to-West Coalition	G	34,650	■		SW
Allegheny	H J Heinz Expansion	Urban Redevelopment Auth of Pittsburgh	G	398,642	■	■	SW
Allegheny	Hayes Ammunition Plant (Formerly)	Pittsburgh Economic and IDC	G	993,750		■	SW
Allegheny	Hercules Property (Formerly)	West-to-West Coalition	G	40,950	■		SW
Allegheny	Industrial Center of McKeesport	RIDC of Southwestern Pennsylvania Growth Fund	G	450,000		■	SW
Allegheny	Kerotest Facility (Formerly)	Urban Redevelopment Auth of Pittsburgh	G	208,309	■	■	SW

Appendix 3 ■ Financial Assistance

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Allegheny	Lectromelt Facility (Formerly)	Urban Redevelopment Auth of Pittsburgh	G	377,021		■	SW
Allegheny	Malitovsky Drum Co (Formerly)	Phoenix Land Recycling	G	108,000	■		SW
Allegheny	McKees Point	West-to-West Coalition	G	38,700	■		SW
Allegheny	McKeesport Steel Casting (Formerly)	West-to-West Coalition	G	86,374	■		SW
Allegheny	National Tube Works Riverplace	RIDC of Southwestern Pennsylvania Growth Fund	G	37,500	■		SW
Allegheny	Oakmont Steel Facility (Formerly)	RIDC of Southwestern Pennsylvania Growth Fund	G	42,000		■	SW
Allegheny	Seamless Pipe Mill	RIDC of Southwestern Pennsylvania Growth Fund	G	150,000	■		SW
Allegheny	Swissvale Auto Parts (Formerly)	Phoenix Land Recycling	G	90,570	■		SW
Allegheny	Three Vacant Industrial Sites	City of McKeesport Redevelopment Auth	G	91,365		■	SW
Allegheny	USX Duquesne Works	RIDC of Southwestern Pennsylvania Growth Fund	G	78,007	■		SW
Allegheny	USX Duquesne Works/ Boiler House (Formerly)	RIDC of Southwestern Pennsylvania Growth Fund	G	899,863		■	SW
Allegheny	Warehouse and GNC Bldg (Formerly)	RIDC of Southwestern Pennsylvania Growth Fund	G	1,000,000		■	SW
Allegheny	Weis Brothers Construction Co	West-to-West Coalition	G	117,431	■		SW
Allegheny	Westinghouse Keystone Commons (Formerly)	RIDC SW PA Growth Fund	G	79,507	■		SW
Allegheny	Whitaker Metal Products (Formerly)	West-to-West Coalition	G	35,730	■		SW
Armstrong	Metal Services and Babcock Apollo (Formerly)	Armstrong County Industrial Development Council	G	200,000	■		SW
Armstrong	Phoenix Materials (Formerly)	Armstrong County	G	48,000	■		SW
Armstrong	Phoenix Materials (Formerly)	Armstrong County	G	26,250		■	SW
Beaver	Aliquippa Forge (Formerly)	Beaver County Corp for Economic Development	G	37,500	■		SW
Beaver	Bollinger Steel (Formerly)	Ambridge Borough	G	147,180		■	SW
Beaver	Chain Brothers (Formerly)	Beaver County Corp for Economic Development	G	116,250	■		SW
Beaver	Hydril Company (Formerly)	Beaver County Corp for Economic Development	G	75,000	■		SW
Beaver	Marino Brothers Inc Scrapyard	Beaver County Corp for Economic Development	G	122,662	■		SW
Beaver	Morini Market (Formerly)	Koppel Borough	G	3,037	■		SW

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

Finance Type: L: Loan
 G: Grant

Financial Assistance: **Awarded this year** Awarded previous years

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Beaver	Pittsburgh Tube Co (Formerly)	Beaver County Corp for Economic Development	G	150,000	■		SW
Bedford	Better Tire (Formerly)	Bedford County Development Association	G	14,550	■		SC
Berks	Algonquin Chemical Co (Formerly)	Windsor Industries	L	15,000	■		SC
Berks	Astor Theatre (Formerly)	Berks County Convention Center Auth	G	131,250		■	SC
Berks	Buttonwood Street Industrial Redevelopment Area	Greater Berks Industrial Area Development Fund	G	150,000	■		SC
Berks	Camp Hosiery Bldg (Formerly)	Greater Berks Industrial Area Development Fund	G	71,470	■	■	SC
Berks	Penn National Bank and Trust Co Building (Formerly)	Berks County Convention Center Auth	G	97,035		■	SW
Blair	Conrail South Altoona (Formerly)	Altoona-Blair County Development Corp	G	44,100	■		SC
Blair	Conrail Storehouse (Formerly)	Altoona-Blair County Development Corp	G	44,100	■		SC
Blair	Conrail/Powell (Formerly)	Altoona-Blair County Development Corp	G	67,500	■		SC
Blair	Conrail/Powell (Formerly)	Altoona-Blair County Development Corp	G	27,000	■		SC
Bradford	Habgood Business Development Center	City of Bradford	G	29,454		■	NC
Bradford	Lehigh Valley Railroad Facility (Formerly)	Northern Bradford Auth	G	105,123	■		NC
Bucks	Corell Steel (Formerly)	Bucks County Redevelopment Auth	G	18,750		■	SE
Bucks	Grundy (Formerly)	Bucks County Redevelopment Auth	G	33,750	■		SE
Bucks	Mayco Oil and Chemical Co (Formerly)	Bristol Borough	G	74,000		■	SE
Bucks	Mayco Oil and Chemical Co (Formerly)	Bristol Borough	G	11,497		■	SE
Bucks	North American Technology Center	Federal Land Reuse Auth	G	176,179		■	SE
Bucks	North American Technology Center	Federal Land Reuse Auth	G	527,000		■	SE
Bucks	Purex and Superior Inc (Formerly)	Bucks County Redevelopment Auth	G	862,567		■	SE
Bucks	Riverfront North	Bucks County Redevelopment Auth	G	87,356	■		SE
Bucks	Stainless Steel (Formerly)	Redevelopment Auth of Bucks County	G	18,761	■		SE
Butler	Pullman Standard (Formerly)	Community Development Corporation of Butler County	G	55,000		■	NW
Cambria	Cambria Iron Works (Formerly)	Johnstown Redevelopment Auth	G	150,000	■		SW

Appendix 3 ■ Financial Assistance

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Cambria	Coal Mine (Formerly)	Cambria County Conservation and Recreation Auth	G	200,000	■		SW
Cambria	GKI Building	Johnstown Redevelopment Auth	G	4,493	■		SW
Cambria	HIG Management Capital	Johnstown Redevelopment Auth	G	178,733	■		SW
Centre	Northern Counties Coal Co	Moshannon Valley Economic Development Association Inc	G	1,425	■		NC
Chester	Coatesville Factory (Formerly)	Chester County Development Council	G	50,511	■		SE
Chester	East Union Street	R Casciato-Simeon Isayeff Real Estate	L	112,500	■		SE
Chester	Kardon Park (Formerly)	Downingtown Borough	G	200,000	■		SE
Chester	O'Brien Machinery Co (Formerly)	Downingtown Borough	G	1,000,000		■	SE
Clearfield	Harbison Walker Refractory (Formerly)	Clearfield County Industrial Development Association	G	112,500	■		NC
Clearfield	Petrolec Inc (Formerly)	City of DuBois RDA	G	22,500	■		NC
Columbia	Berwick Fab and Forge (Formerly)	Berwick Industrial Development Association	G	229,269		■	NC
Columbia	Berwick Fab and Forge (Formerly)	Berwick Industrial Development Association	L	100,000		■	NC
Crawford	Avtex (Formerly)	Crawford County Properties	G	154,305		■	NW
Crawford	Keystone Ordnance Work (Formerly)	Meadville Area Industrial Commission	G	111,246	■		NW
Crawford	North Conrail (Formerly)	Meadville Area Industrial Commission	G	26,250	■		NW
Crawford	Spaulding's Bldg (Formerly)	Crawford County Properties	G	20,101	■		NW
Crawford	Spaulding's Bldg (Formerly)	Crawford County Properties	G	5,333	■		NW
Cumberland	Murata Business Center/ Phase II (Formerly)	Capital Region Economic Development Corp	G	82,141	■	■	SC
Dauphin	Fruehauf Trailer Corp (Formerly)	The Middletown Area School District	G	33,291	■		SC
Dauphin	Fruehauf Trailer Corp (Formerly)	The Middletown Area School District	G	8,923	■		SC
Dauphin	Harrisburg International Airport	Susquehanna Area Regional Airport Auth	G	4,725		■	SC
Dauphin	TRW Bldg (Formerly)	Capital Region Economic Development Corp	G	194,475		■	SC
Dauphin	Whittaker Center	Redevelopment Auth of the City of Harrisburg	G	14,231		■	SC
Delaware	Riverbridge Industrial Center	Delaware County Redevelopment Auth	G	73,500	■		SE
Delaware	Sears (Formerly)	Delaware County	G	200,000	■		SE

Region: SE: Southeast SC: Southcentral SW: Southwest
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Finance Type: L: Loan
 G: Grant

Financial Assistance: **Awarded this year** Awarded previous years

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Erie	City Auto Parts (Formerly)	Greater Erie Industrial Development Corp	G	223,358	■	■	NW
Erie	City Iron Works (Formerly)	Greater Erie Industrial Development Corp	G	66,965	■		NW
Erie	Mac Erie (Formerly)	Greater Erie Industrial Development Corp	G	17,213	■		NW
Erie	Pontillo Landfill (Formerly)	Greater Erie Industrial Development Corp	G	123,768	■		NW
Erie	Pontillo Landfill (Formerly)	Greater Erie Industrial Development Corp	G	75,000	■		NW
Fayette	Gas Station Labelle Road (Formerly)	Fayette County Redevelopment Auth	G	5,017	■		SW
Franklin	Appalachian Lamb (Formerly)	Greencastle Antrim Area Development Corp	G	42,574	■		SC
Franklin	Loewengart Tannery (Formerly)	Mercersburg Borough	G	236,315	■	■	SC
Greene	Mathers Refuse (Formerly)	Greene County IDA	G	16,500	■		SW
Lackawanna	Carbondale Yards	Carbondale IDA (S J Bailey and Sons)	G	129,016	■		NE
Lancaster	Heritage Trading Co (Formerly)	Redevelopment Auth of Lancaster City	G	280,500		■	SC
Lancaster	PA Malleable Casting Foundry (Formerly)	Lancaster County Commissioners	G	477,773	■	■	SC
Lawrence	Lockley Mfg Co (Formerly)	Lawrence County EDC	G	13,125	■		NW
Lebanon	Foundry (Keener Project)	Lebanon Valley EDC	G	59,925	■		SC
Lebanon	Property A&B (Formerly)	Curry Flour Mills Inc	L	53,062	■		SC
Lehigh	Hess'/Bon-Ton (Formerly)	Allentown Commercial and Industrial Development Auth	G	484,659		■	NE
Lehigh	Lehigh Landing	Allentown Commercial and Industrial Development Auth	G	1,000,000		■	NE
Lehigh	Lehigh Landing Riverfront	Allentown Commercial and Industrial Development Auth	G	82,942	■		NE
Lehigh	Queen City Business Center	Allentown Commercial and Industrial Development Auth	G	146,742	■		NE
Luzerne	Blue Coal (Formerly)	Earth Conservancy	G	183,585	■		NE
Luzerne	Public Works Garage	City of Wilkes-Barre	G	37,500	■		NE
Lycoming	Alta Prod (Formerly)	CJB Realty	L	96,600		■	NE
Lycoming	Herman Rynveld's and Son (Formerly)	R Rader Industrial Complex Inc	L	103,072		■	NC
Lycoming	Newberry Yard	SEDA-COG Joint Rail Auth	G	45,000	■		NC
McKean	Hamlin Township Community Park	Hamlin Twp	G	2,175	■		NW
McKean	Municipal Dump(Glass Factory) (Formerly)	Hamlin Twp	G	5,325	■		NW
Mercer	Caparo Steel Property	Shenango Valley Industrial Development Corp	G	249,606	■	■	NW

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Mercer	Midland Ross National Castings HTP (Formerly)	Shenango Valley Industrial Development Corp	G	75,000	■		NW
Mercer	Sharon Steel (1 acre) (Formerly)	City of Farrell	G	8,685	■		NW
Mercer	Sharon Steel (17 acre) (Formerly)	City of Farrell	G	17,351	■		NW
Montgomery	Buttonwood Street	Redevelopment Auth of the County of Montgomery	G	24,454	■		SE
Montgomery	Mfg at Gravers Road (Formerly)	William Peter R Cross	L	75,000	■		SE
Montgomery	Ardmore Redevelopment	Redevelopment Auth of the County of Montgomery	G	75,000	■		SE
Montgomery	SEPTA/Hancock Square (Formerly)	Redevelopment Auth of the County of Montgomery	G	144,543	■	■	SE
Northampton	Blue Ridge Winkler (Formerly)	Northampton County	G	32,794	■		NE
Northampton	New Jobs Corp	Northampton County	G	57,399	■		NE
Northampton	Union Station Railroad Property (Formerly)	Bethlehem Economic Development Corp (Union Station Railroad)	G	21,293		■	NE
Philadelphia	Celotex (Formerly)	City of Philadelphia	G	154,110	■		SE
Philadelphia	Conrail E Oregon Avenue (Formerly)	Philadelphia Industrial Development Corp	G	222,750		■	SE
Philadelphia	Container Recycler (Formerly)	City of Philadelphia	G	20,430	■		SE
Philadelphia	East Central Incinerator Project	Penn's Landing Corp	G	53,625	■		SE
Philadelphia	Eastwick Parcels 5 and 8	City of Philadelphia	G	51,513	■		SE
Philadelphia	Gas Station (Formerly)	Philadelphia Redevelopment Auth	G	651,797		■	SE
Philadelphia	Gas Station (Formerly)	Philadelphia Redevelopment Auth	G	138,976		■	SE
Philadelphia	Gould Batteries (Formerly)	City of Philadelphia	G	211,302	■	■	SE
Philadelphia	Heritage Vlg (Formerly)	Philadelphia Redevelopment Auth	G	124,125	■		SE
Philadelphia	M Schwartz and Co (Formerly)	City of Philadelphia	G	9,450	■		SE
Philadelphia	Manayunk Canal Ash Disposal (Formerly)	Philadelphia Industrial Development Corp	G	72,071	■		SE
Philadelphia	Modern Laundry (Formerly)	City of Philadelphia	G	39,375	■		SE
Philadelphia	Pier 98	Philadelphia Regional Port Auth	G	118,265	■		SE
Philadelphia	Pier 98	Philadelphia Regional Port Auth	L	84,850		■	SE
Philadelphia	Piers 31 North to 34 North	Penn's Landing Corp	G	390,000		■	SE
Philadelphia	Schuylkill River (Grays Ferry) (Formerly)	City of Philadelphia (Schuylkill River Council)	G	12,000	■		SE
Philadelphia	Sovereign Oil (Formerly)	City of Philadelphia	G	900,000		■	SE

Region: SE: Southeast SC: Southcentral SW: Southwest NE: Northeast NC: Northcentral NW: Northwest **Finance Type:** L: Loan G: Grant

Financial Assistance: Awarded this year Awarded previous years

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
Philadelphia	Summerdale Avenue (Langdon)	City of Philadelphia	G	11,850	■		SE
Philadelphia	Summerdale Avenue (Langdon)	City of Philadelphia	G	11,800	■		SE
Philadelphia	West Girard and Merion Avenues	City of Philadelphia	G	8,985	■		SE
Potter	Coudersport Industrial Park	Potter County Redevelopment Auth	G	454,206		■	NC
Potter	Damascus Tanning (Formerly)	Potter County Redevelopment Auth	G	43,451	■		NC
Susquehanna	Conrail (Formerly)	Susquehanna County Dept of Economic Development	G	64,050	■		NE
Tioga	Carl's Auto Repair (Formerly)	Lawrenceville Borough	G	28,074	■		NC
Venango	Brown Boiler and Tank (Formerly)	Franklin Industrial and Commercial Development Auth	G	21,341	■		NW
Venango	Chicago Pneumatic Foundry (Formerly)	Franklin Industrial and Commercial Development Auth	G	30,000	■		NW
Warren	National Forge Co AOC-2	Warren County Development Association	G	6,645	■		NW
Warren	Struthers Wells (Formerly)	SPEDD Inc	G	60,046		■	SW
Warren	Struthers Wells (Formerly)	SPEDD Inc	G	92,265		■	SW
Washington	Clyde Mine Preparation (Formerly)	Middle Monongahela Industrial Development Association Inc	G	175,629	■		SW
Washington	Iron and Metal (Formerly)	New Eagle Borough Municipal Auth	G	56,402	■		SW
Washington	N. Union Avenue and Robinson Street	New Eagle Borough Municipal Auth	G	605,250		■	SW
Westmoreland	GGI Warehouse (Formerly)	Redevelopment Auth of Westmoreland County	G	330,000		■	SW
Westmoreland	Timken Latrobe Steel site	Eastern Westmoreland Development Corp	G	112,031	■		SW
Westmoreland	Vulcan Mold and Iron Company (Formerly)	Eastern Westmoreland Development Corp	G	116,203	■		SW
Westmoreland	Westinghouse Electric (Formerly)	Development Strategies	G	159,861	■		SW
Wyoming	Siltex (Formerly)	Wyoming County	G	150,000	■		NE
York	Boundary Avenue Redevelopment (Formerly)	York County Industrial Development Corp	G	95,250	■		SC
York	Capital Area Airport	York County Prod Corp	G	134,045		■	SC
York	Capital City Airport	Susquehanna Area Regional Airport Auth	G	84,825		■	SC
York	Godfrey Texaco (Formerly)	Anne M Strickler	L	45,270		■	SC
York	Graybill (Formerly)	York County Industrial Development Corp	G	86,250	■		SC
York	Hess's Exxon (Formerly)	Franklintown Borough	G	30,000	■		SC

Appendix 3 ■ Financial Assistance

County	Project	Applicant	Type	Amount (\$)	Assessment	Remediation	Region
York	Jomax Company (Formerly)	York County Industrial Development Corp	G	21,012	■		SC
York	Mfg Site Rail Corridor (Formerly)	York County Industrial Development Corp	G	50,512	■		SC
York	Nabisco Co (Formerly)	York County Industrial Development Corp	G	39,000	■		SC
York	Pillow Tex (Formerly)	York County Redevelopment Auth	G	531,000		■	SC
York	Teledyne McKay (Formerly)	York County Redevelopment Auth	G	200,000		■	SC
York	Smoke Stack Tract	York County Industrial Development Corp	G	64,308	■		SC
York	Thonet	York County Industrial Development Corp	G	65,236	■		SC

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

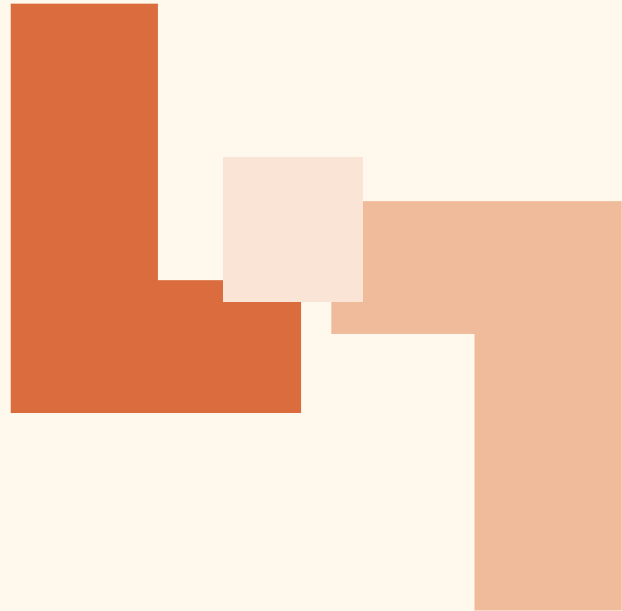
Finance Type: L: Loan
G: Grant

Financial Assistance: Awarded this year Awarded previous years

Appendix 4

Brownfield Inventory Grant (BIG) Recipients

DEP provides Brownfield Inventory Grants (BIG) to municipalities, counties and redevelopment authorities to inventory brownfield properties in their area. During July 1999–June 2000, DEP awarded grants to 144 organizations in 53 counties.



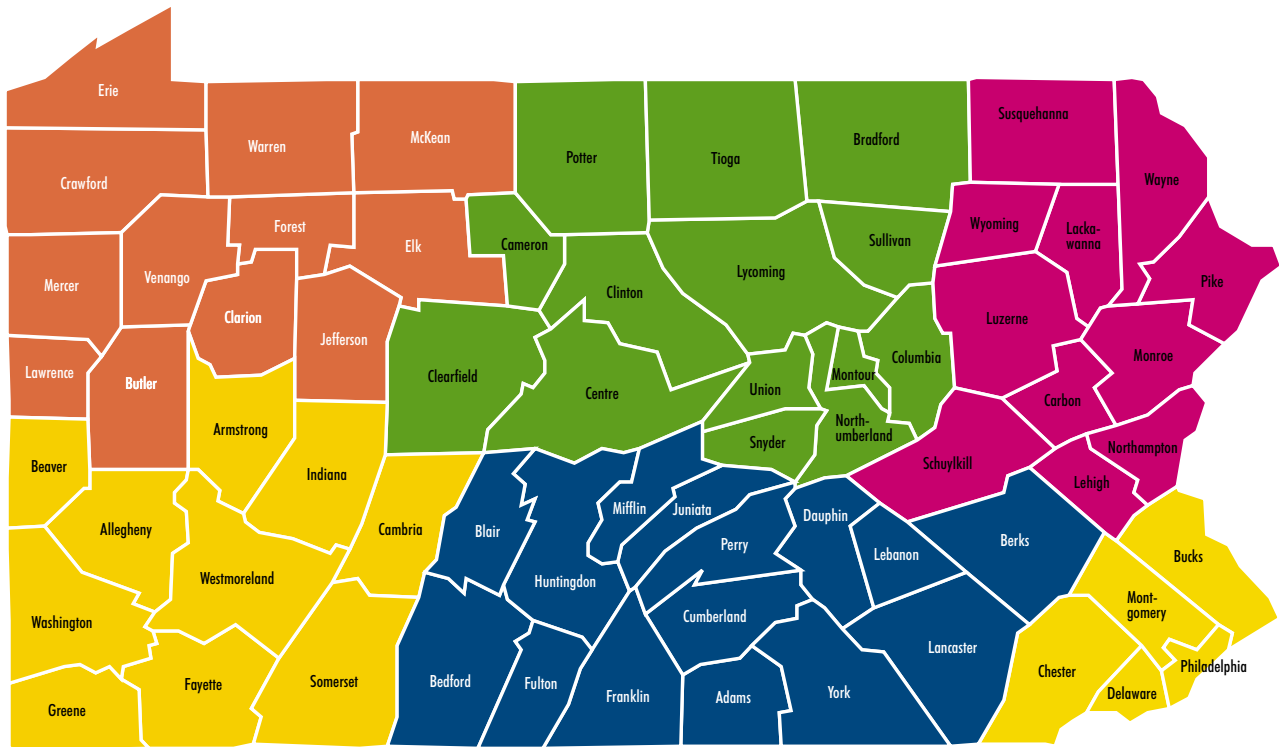
Grant Recipient	Grant Jurisdiction
Redevelopment Authority of Bucks County	Bucks County
Chester County Development Council	Chester County
Redevelopment Authority of the County of Montgomery	Montgomery County
City of Philadelphia	Philadelphia County
Phoenix Land Recycling Company	Lehigh and Northampton Counties
County of Luzerne	Luzerne County
Susquehanna County Commissioners	Susquehanna County
Adams County Commissioners	Adams County
Bedford County Development Association	Bedford County
Berks County Commissioners	Berks County
Southern Alleghenies Planning and Development Commission	Fulton and Huntingdon Counties
Altoona – Blair County Development Corporation	Blair County
Capital Region Economic Development Corporation	Cumberland, Dauphin, Perry Counties
Lancaster County Commissioners	Lancaster County
York County Economic Development Corporation	York County
Cameron County Commissioners	Cameron County
Clearfield County Industrial Development Authority	Clearfield County (except City of DuBois)
City of DuBois Redevelopment Authority	City of DuBois

Appendix 4 ■ Brownfield Inventory Grant Recipients

Grant Recipient	Grant Jurisdiction
Urban Redevelopment Authority of Pittsburgh	City of Pittsburgh
Southwestern Pennsylvania Corporation	Allegheny, Armstrong, Beaver, Indiana, Washington, Westmoreland Counties (except West Elizabeth to West Homestead)
West-To-West Coalition, Inc.	Coalition of 21 communities (West Elizabeth to West Homestead)
Redevelopment Authority of the County of Cambria	Cambria County (except Johnstown)
Johnstown Redevelopment Authority	City of Johnstown
Greene County Industrial Development Authority	Greene County
Somerset County Economic Development Council	Somerset County
Community Development Corporation of Butler County	Butler County
North Central PA Regional Planning & Development Commission	Elk, McKean and Potter Counties (except for City of Bradford and surrounding municipalities)
Economic Development Corporation of Erie County	Erie County
Jefferson County Commissioners	Jefferson County
City of New Castle	City of New Castle
City of Bradford	City of Bradford, Bradford Township, Foster Township, Lewis Run Borough
Schuylkill County Commissioners	Schuylkill County
City of Reading	City of Reading
City of Harrisburg	City of Harrisburg
Potter County Redevelopment Authority	Potter County
Airport Area Development Corporation	Covering 53 municipalities in Allegheny, Beaver and Washington Counties
Titusville Redevelopment Authority	City of Titusville
Meadville Area Industrial Commission	Crawford County
Penn-Northwest Development Corporation	Mercer County
Pennsylvania Environmental Council	Luzerne and Lackawanna Counties
SEDA Council of Governments	Centre, Clinton, Juniata, Mifflin, Montour, Northumberland, and Snyder Counties (except for Columbia, Lycoming, Union)
Columbia Alliance for Economic Growth, Inc.	Columbia County (except Berwick Borough)
Industrial Properties Corporation	Lycoming County
Union County Industrial Development Corporation	Union County

Pennsylvania's Land Recycling Program Contacts

Information Request Line: (717) 787-6264
Internet Email: landrecycling@dep.state.pa.us
Website: www.dep.state.pa.us



The Department of Community and Economic Development, Economic Development Assistance Office



Scott Dunkelberger
Director
494 Forum Building
Harrisburg, PA 17120
Voice: (717) 787-7120
Fax: (717) 772-2890
Website: www.dced.state.pa.us

Department of Environmental Protection, Central Office



Tom Fidler
Manager, Land Recycling
and Cleanup Program
P.O. Box 8471
Harrisburg, PA 17105-8471
Voice: (717) 783-7816
Fax: (717) 787-0884

Discuss cleanup opportunities with DEP staff

Southeast Regional Office



Bruce Beitler
**Environmental Cleanup
Program Manager**
Lee Park, Suite 6010
555 North Lane
Conshohocken, PA 19428
Voice: (610) 832-5950
Fax: (610) 832-6143

Northcentral Regional Office



Michael Welch
**Environmental Cleanup
Program Manager**
208 West Third Street, Suite 101
Williamsport, PA 17701
Voice: (570) 321-6525
Fax: (570) 327-3420

Northeast Regional Office



James Brogna
**Environmental Cleanup
Program Manager**
2 Public Square
Wilkes-Barre, PA 18711-0790
Voice: (570) 826-2511
Fax: (570) 820-4907

Southwest Regional Office



John Matviya
**Environmental Cleanup
Program Manager**
400 Waterfront Drive
Pittsburgh, PA 15222-4745
Voice: (412) 442-4091
Fax: (412) 442-4328

Southcentral Regional Office



James Flesher
**Environmental Cleanup
Program Manager**
909 Elmerton Avenue
Harrisburg, PA 17110-8200
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Northwest Regional Office



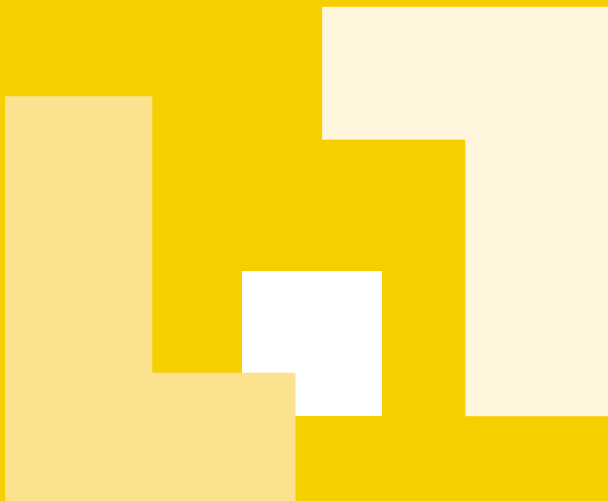
Craig Lobins
**Environmental Cleanup
Program Manager**
230 Chestnut Street
Meadville, PA 16335-3481
Voice: (814) 332-6648
Fax: (814) 332-6121



*Sunset over Susquehanna River
Harrisburg, Dauphin County*

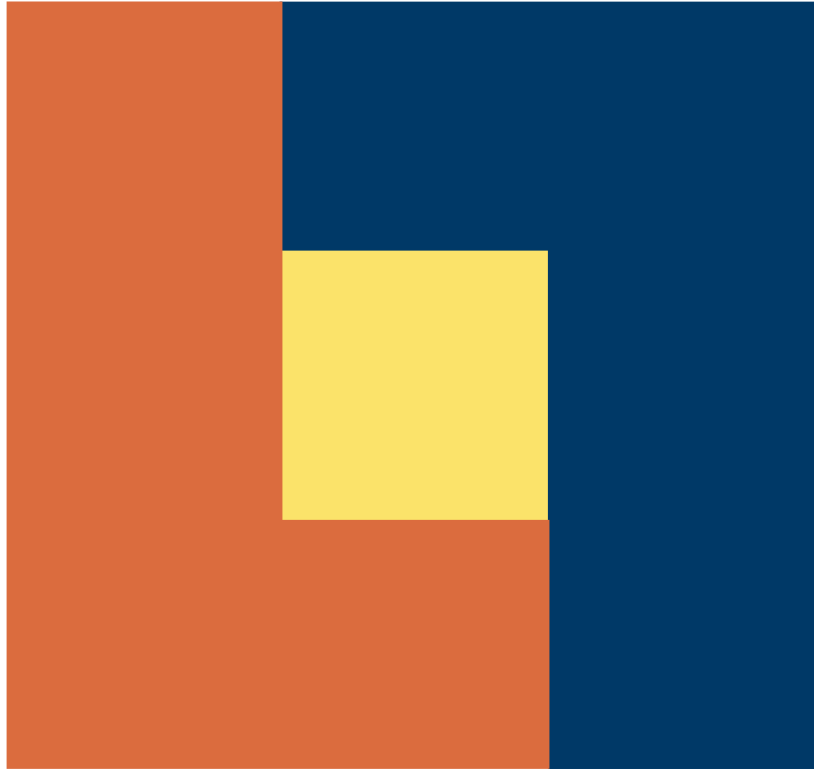
Glossary of Chemical Terms

BTEX	Benzene, Toluene, Ethyl Benzene, Xylene — components of gasoline
DDE	Dichlorodiphenyldichloroethylene — commonly used chemical in pesticide
DDT	Dichlorodiphenyltrichloroethane — commonly used chemical in pesticide
MTBE	Methyl Tert-Butyl Ether — added to unleaded gasoline to replace lead
PAH	Polyaromatic Hydrocarbons — another class of hydrocarbons (e.g., coal tar)
PCB	Polychlorinated Biphenyl — transformer oil
PCE	Tetrachloroethylene (Also referred to as Perchloroethylene) — dry cleaning fluid
PHC	Petroleum Hydrocarbons — distillates of crude oil
PID	Photoionization Detector — sampling instrument
TCE	Trichloroethylene — chlorinated solvent
TPH	Total Petroleum Hydrocarbons — petroleum products usually found at tank sites
TRPH	Total Recoverable Petroleum Hydrocarbons — petroleum products usually found at tank sites
VOC	Volatile Organic Compound — usually quick-evaporating liquid



Tom Ridge
Governor

James M. Seif
Secretary



Innovation. *Partnership.* **Renewal.**



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Rachel Carson State Office Building
Harrisburg, PA 17105
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