

Tom Ridge
Governor

James M. Seif
Secretary



Department of Environmental Protection
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Pennsylvania's Land Recycling Program
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1997 Award Winner
Ford Foundation



A web space dedicated to helping you learn how to protect and improve the environment. The site features the largest collection of environmental videos available on the Internet and is produced by the nonprofit Environmental Fund for Pennsylvania, with financial support from the Pennsylvania Department of Environmental Protection, 800-334-3190.

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Using Soy Inks

Pennsylvania's Land Recycling Program Annual Report 1999

Old Sites.
New Opportunities.



A Greener 21st Century.

Pennsylvania's
Land Recycling Program
Annual Report 1999



About This Report

This report on environmental progress focuses on key features and successes of our award-winning Land Recycling Program. We publish this report annually to reach a wide variety of audiences, including the financial and real estate community, businesses, consultants, local governments, redevelopment authorities and the general public.

This year, in addition to highlighting each of our six regions, we feature a dynamic triple success in West Chester Borough that not only has brought jobs, but produced a positive impact on the lifestyle of its residents. An unprecedented agreement between DEP and the U.S. Environmental Protection Agency (EPA) that will bring new uses for the largest brownfield site in the nation — the Bethlehem Steel Corporation site in Bethlehem — also is featured.

Our report provides a wealth of information on program accomplishments, financial assistance and new initiatives, as well as a narrative description of dozens of site cleanups.

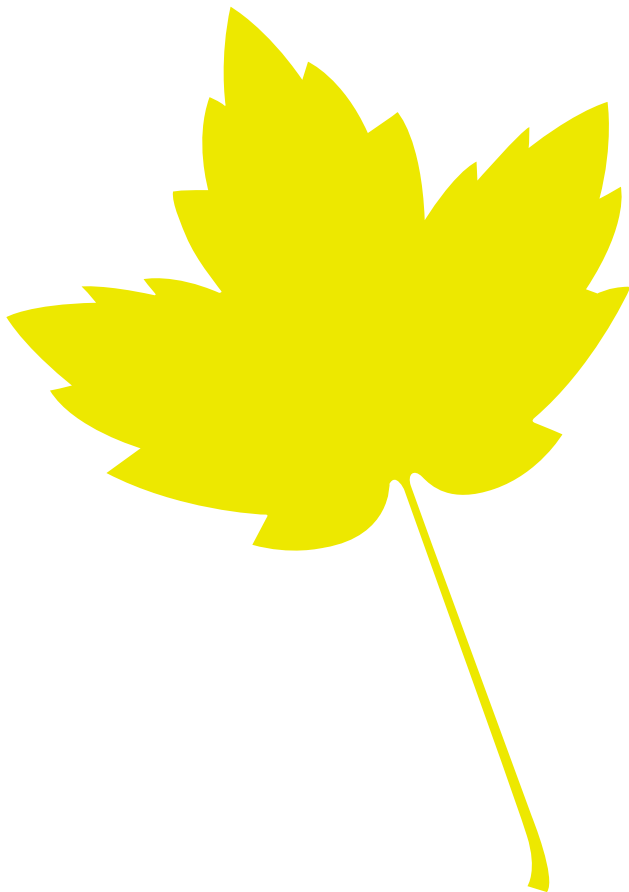
We welcome your inquiries and participation in the program and invite you to spread the word on the successful implementation of Pennsylvania's Land Recycling Program.

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	Polycyclic Aromatic Hydrocarbons — another class of hydrocarbons (e.g., coal tar)
PCB	Polychlorinated Biphenyl — transformer oil
PCE	Tetrachloroethylene — 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



21st Century Development.

As we stand on the verge of the 21st century, Pennsylvania is a Commonwealth with both tremendous possibilities and important challenges. Our potential for growth motivates us to find ways to create sustainable communities where a safe, healthy environment goes hand in hand with a strong economy. Four years ago, we created the Land Recycling Program to help meet this challenge.

I am proud to say that the Land Recycling Program has already made great progress in developing a sustainable future for Pennsylvania by returning old industrial sites to productive use. In the past year alone, we cleaned up another 209 properties — on top of the 278 we cleaned up in the program's first three years. An additional 227 cleanups are underway across the Commonwealth.

Working closely with businesses of all sizes, we not only have addressed environmental-contamination concerns, we've brought thousands of new jobs and new opportunities to our citizens. And, by focusing on cleaning up abandoned sites, we've preserved some of Pennsylvania's precious green space in the process.

My vision for the Commonwealth's 21st century includes more and more land use successes such as the ones highlighted in this annual report. You will see from our impressive results that we truly are on the road to a Pennsylvania that is both "greener" and more prosperous.

A handwritten signature of Tom Ridge in blue ink. The signature is written in a cursive style and is located in the lower-right quadrant of the page.







James M. Seif
Secretary

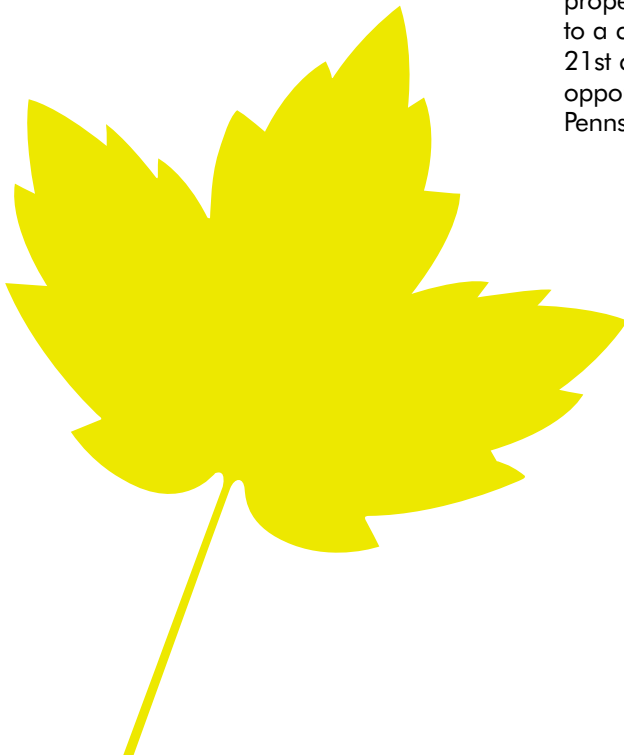
A Greener Pennsylvania.

The Pennsylvania Department of Environmental Protection is proud to present this year's accomplishments in our Land Recycling Program as evidence of our progress toward a greener Commonwealth.

As the title of this report suggests, the Land Recycling Program is taking Pennsylvania into the 21st century with development that not only addresses environmental contamination, but also preserves our green space. Our award-winning approach to redeveloping former industrial sites offers businesses clear standards, liability relief and financial assistance, and has resulted in hundreds of cleanups and thousands of new jobs for Pennsylvanians.

This year, the size of our program has nearly doubled. The total number of sites cleaned up is nearly 500, and hundreds of additional cleanups are underway. Working with the Department of Community and Economic Development, we have provided grants and loans of nearly \$17 million to get cleanups off the ground. Our employees have made these successes happen through their tireless outreach and technical assistance, their professionalism and their dedication to the environmental and economic future of Pennsylvania.

I invite you to learn more about the many and varied successes of our Land Recycling Program. This year's report highlights just some of the possibilities for redeveloped industrial properties — from a community park to a new fitness center to a commercial food distribution hub. As we enter the 21st century, I have no doubt that we will continue to find opportunities like these to build a healthier environment for Pennsylvanians.

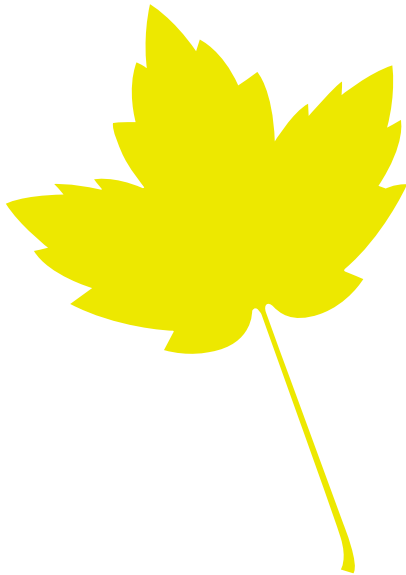


A handwritten signature in blue ink, appearing to read "J. Seif", located in the lower-right area of the page.





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safe

productive

land



The people, companies and local governments that participate in the Department of Environmental Protection's (DEP's) Land Recycling Program have proven themselves as national leaders in land redevelopment.

The number of sites remediated each year has risen dramatically from 161 last year to more than 200 this year — bringing the total to 487 sites remediated since the program's beginning.

With the Land Recycling Program's common sense standards, flexibility and streamlined processes, businesses are actively seeking opportunities to voluntarily work with DEP to clean up and reuse brownfields, thereby turning them into job-producing properties. Simply put, DEP recognizes that clean sites mean a greener Pennsylvania and new jobs for Pennsylvanians.

The Land Recycling Program consists of 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 ECP offices are generally responsible for front-line implementation, outreach and site-specific project oversight, whereas Remediation Services and the LRCP Divisions are central office entities that perform program activities more suited to a centralized purview, such as program development and evaluation, policy and technical guidance preparation, regulatory revision and the coordination of multi-regional functions.

This report highlights the accomplishments of the department and its six regions in promoting effective cleanups of contaminated industrial sites. In addition, it presents information about related cleanup programs, such as storage tank remediations, Hazardous Site Cleanup Act (HSCA) response actions and Multi-Site Agreements.

Program Accomplishments

In addition to a record number of site cleanups, the program conducted its own evaluation to discover ways to improve consistency and service delivery. DEP staff also put brownfields in the forefront with a new web-based brownfields directory and created a brownfields grant program to further encourage cleanup.

Standards

Under Pennsylvania's Land Recycling Program, sites must meet one or a combination of these standards:

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. These standards are medium-specific chemical concentrations that take into account use and non-use 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 viable owner or be in an enterprise zone. The party conducting the cleanup must not have contributed to the contamination at the site. Cleanup actions must address all immediate, direct or imminent threats, based on the intended use of the site.

Site Cleanups

The Land Recycling Program's statistics reveal the program's success not only in this past year, but also in its history. (Figure 1.) While the number of successful cleanups is impressive, the number of sites entering the program is an even greater measure of the popularity of this innovative initiative. Since June 1998, 357 applications have been submitted — 91 more than in the previous 12 months. For a complete list of the sites in the Land Recycling Program, see Appendix 2.

While all three standards (see box on previous page) have been selected in cleanups, the statewide health standard has been the most widely used, in 485 cleanups. The second most used standard is the site-specific standard, accounting for 215 cleanups. Sixty-seven projects have applied the background standard, and 86 sites have been designated special industrial areas.

Of the 539 cleanups completed to date at 487 properties, 403 met the statewide health standard, 41 met the background standard and 68 attained the site-specific standard. Twenty-seven sites were designated as special industrial areas. (Figure 2.) For a description of completed cleanups, see Appendix 1.

To enable the cleanup and reuse of more sites in the future, the Land Recycling Program undertook an extensive program evaluation and other efforts during the past year.

Figure 1.
Increase in Number of Cleanups Since 1995

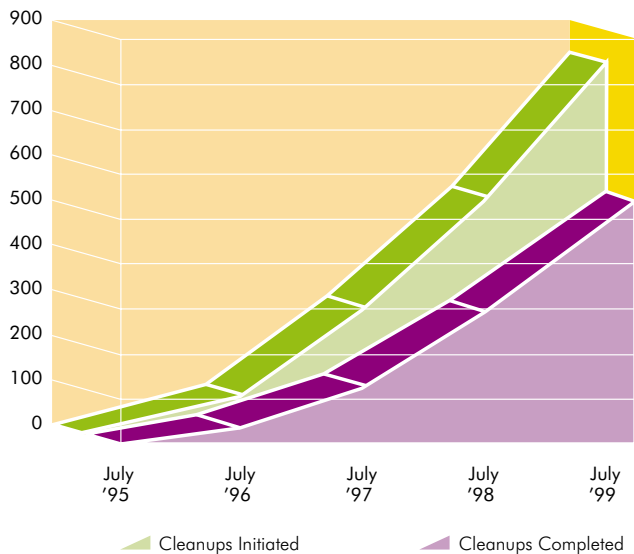
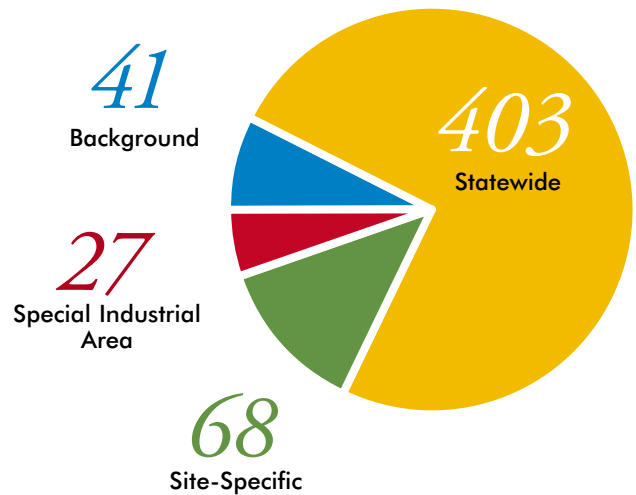


Figure 2.
Actions Completed — Cleanup Standards Selected

	Back-ground	State-wide	Site-Specific	Special Industrial Area	Total
Southeast	15	102	28	4	149
Northeast	1	80	3	0	84
Southcentral	19	129	16	14	178
Northcentral	3	23	4	1	31
Southwest	1	37	13	0	51
Northwest	2	32	4	8	46
	41	403	68	27	539



Program Evaluation Leads to Improvement

The Bureau of Land Recycling and Waste Management conducted a benchmark program evaluation in 1998. File reviews, site visits and interviews with stakeholders such as developers, consultants, lenders and other parties were conducted on a cross-section of completed sites in the Land Recycling Program.

Remediation activities were evaluated based on six objectives designed to measure the effectiveness of the Land Recycling Program: (1) environmental protection, (2) land use principles, (3) compliance with rules, (4) use of new regulatory options, (5) stakeholder experiences and (6) general implementation.

In addition, the evaluation noted that DEP staff offices are reviewing plans and reports well within the allowable time frames. It also demonstrated that recommendations, implementation schedules and responsibilities were developed collectively between program, regional and legal management staff.

Following the evaluation, the Land Recycling Program prepared a Legislative Report and submitted it to the General Assembly in late summer 1999, as required by Section 907 of Act 2 of 1995.

Financial Incentives and Assistance

Administered by the Department of Community and Economic Development (DCED), Act 2 and Act 4, the Industrial Sites Environmental Assessment Act, provide funds to help innocent landowners and communities get cleanups off the ground. Since the implementation of these statutes, municipalities, non-profit organizations and private companies have received nearly \$17 million to assess and clean up contaminated sites. A total of 121 grants and loans have been issued since the Acts were passed. Additional federal and local incentives including the Federal Brownfields Tax Incentive and Keystone Opportunity Zones (KOZs) offer substantial tax deductions for cleanup costs and tax abatements for struggling communities. For a list of sites receiving financial assistance, see Appendix 3.

Pennsylvania Brownfields Reach a 'BIGger' Audience

The Pennsylvania Brownfields Directory was unveiled in November 1998 to raise awareness of site availability, increase the opportunity for site redevelopment and promote the reuse of Pennsylvania brownfields. This web-based system, available through the DEP homepage, allows users from around the world to view information on brownfields available for sale or lease. Users can choose to view all of the sites or specific sites using various criteria such as location, property size or sale price. In addition, users may add sites to the directory.

DEP also created the Brownfields Inventory Grants (BIG) program as yet another incentive to



Above: Brownfields Inventory Grants (BIG) are given to redevelop sites such as this one in downtown Wilkes-Barre.



Above: Senator Charles D. Lemmond, Jr. and Senator Raphael Musto present a BIG check to Ellen Alaimo of the Pennsylvania Environmental Council.

focus land development on previously used properties. This initiative helps the Pennsylvania Brownfields Directory become a tool for stimulating the reuse of property through the Land Recycling Program.

Under the BIG program, DEP provides grants to local governments, economic development agencies and other qualifying agencies to inventory the brownfield properties in their areas. If these properties are available for redevelopment, the grant recipient gathers information about property size, infrastructure, environmental contamination, usable building space and other related data and posts the site and related information in the Pennsylvania Brownfields Directory on the DEP website. Grant recipients receive up to \$1,000 for each brownfield site posted. Each grant is limited to \$50,000.

The goal of DEP's BIG program is to create a web-based list of available brownfield sites in Pennsylvania. The benefit of BIG and the resulting inventory list is two-fold. First, it provides an estimate of the number of brownfield sites statewide as well as in a particular area; second, by feeding available brownfield site information into the Pennsylvania Brownfields Directory, the BIG program increases the opportunity for a site to be assessed and redeveloped. To date, DEP has approved 32 grants and has given \$1.5 million to more than 40 communities.



Brownfields Tax Incentive Available

The Brownfields Tax Incentive is a federal initiative designed to spur the cleanup and redevelopment of brownfields. Under the Brownfields Tax Incentive, environmental cleanup costs for eligible properties may be treated as fully deductible business expenses for the year in which costs are incurred or paid. Eligible costs must be incurred or paid between August 5, 1997, and December 31, 2000.

To claim the tax incentive, the taxpayer must meet the requirements stated in the Taxpayer Relief Act of 1997 and receive a statement of eligibility from their state's environmental agency. To be eligible, a property must meet three requirements concerning land use, contamination and geographic location. Sites on the U.S. Environmental Protection Agency's (EPA's) National Priorities List (Superfund sites) are excluded.

- ◆ **Land Use:** The property must be held by the taxpayer incurring the eligible expenses for use in a trade or business or for the production of income, or the property must be properly included in the taxpayer's inventory.
- ◆ **Contamination:** A release (or threat of release) or disposal of a hazardous substance must be found at or on the property.
- ◆ **Geographic:** The property must be located in one of the following areas:
 - An EPA Brownfields Pilot area (designated prior to February 1997) — eligible Pennsylvania pilot areas include Philadelphia and Pittsburgh.
 - Federal Empowerment Zones or Enterprise Communities (EZ/EC) — eligible Pennsylvania EZ/EC's include: Harrisburg EC, Lock Haven EC, Philadelphia EZ and Pittsburgh EC.
 - Census tracts where 20 percent or more of the population is below the poverty level (a poverty rate of 20 percent or more).
 - Census tracts that have a population under 2,000, have 75 percent or more of their land zoned for industrial or commercial use and are adjacent to one or more census tracts with a poverty rate of 20 percent or more.

To facilitate the process of determining site eligibility, the Land Recycling Program developed a page on the DEP website that provides easy step-by-step instructions, directions and links to determine census tract information, a certification request form and a checklist to assist applicants.

A National Brownfield Policy Leader

Early this year, a new advocacy organization was conceived to bring together the many and varied interests focused on revitalizing environmentally stressed properties. The publishers of *Brownfield*

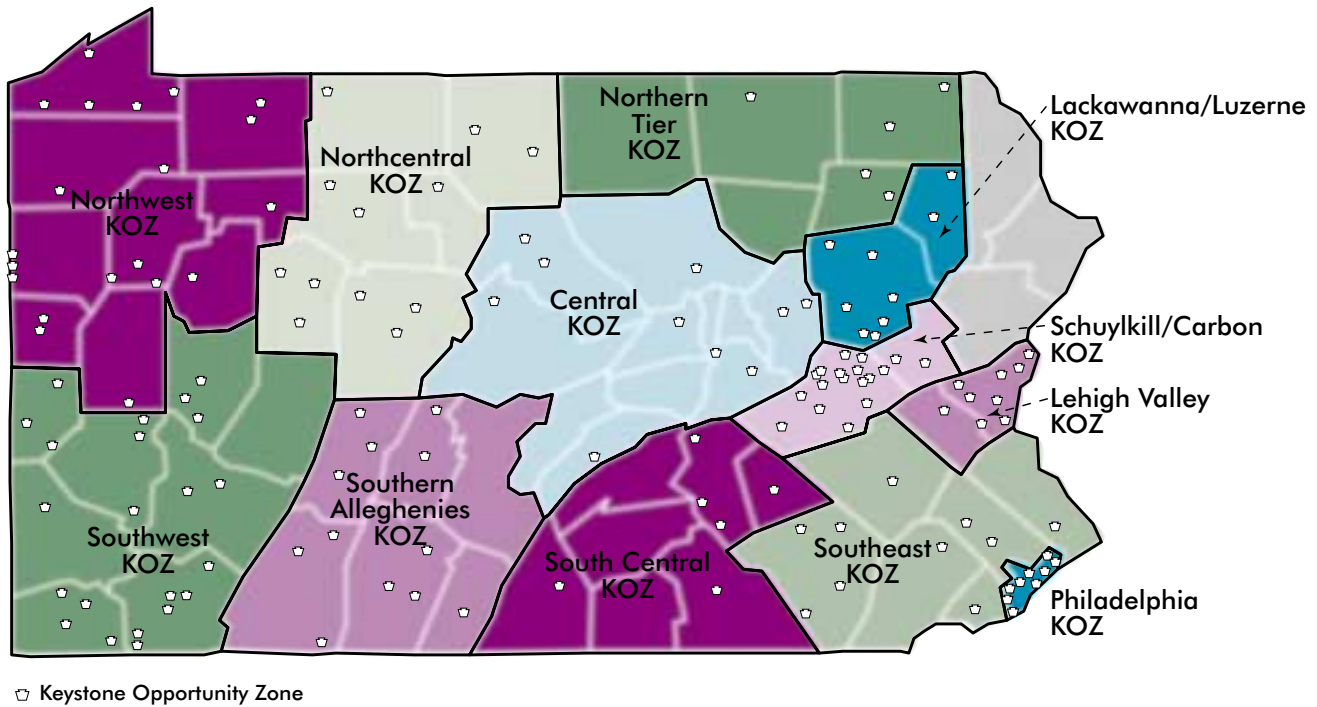
News brought together subscribers of the publication in a forum where knowledge, ideas and opinions about brownfield cleanups, marketing and reuse could be freely exchanged. This forum has become the National Brownfields Association. Pennsylvania has continued its leadership role in the national brownfields issue by becoming a charter member and taking a place on the board of directors of this new organization. The association is serving its varied new membership through the establishment of four distinct categories: Property Owners, Developers, Transaction Support, and Policy. DEP Deputy Secretary Denise Chamberlain will serve on the board and chair the policy group.

Keystone Opportunity Zones Introduced

In October 1998, Governor Tom Ridge signed legislation to help revitalize economically depressed urban and rural communities throughout Pennsylvania. The Keystone Opportunity Zones (KOZ) initiative offers encouragement to these destitute areas by offering a powerful incentive — no taxes. Pennsylvania became only the second state to offer the market-based incentive of tax abatement, making it a leader in helping its communities attract new business and jobs. Each defined KOZ will foster community and economic development through private and residential reinvestment and commitment. This will allow for the creation of opportunity plans focused on: (1) business attraction/retention strategies; (2) educational improvement; (3) crime prevention; (4) housing reinvestment and (5) improved quality of life.

To qualify as a KOZ, a proposed zone must exhibit evidence of adverse economic and socioeconomic conditions; binding public commitment by all taxing bodies; ties to regional, community and economic development activities; viable reform objectives of regulations not serving a compelling public interest; the implementation of educational improvements and crime reduction measurements and, finally, public and private commitment of resources. In addition, each KOZ is allowed a maximum of 12 subzones, each KOZ is allowed a maximum of 12 subzones and can be no larger than 5,000 acres. Subzones must also be contiguous — at least 10 acres in rural areas or 20 in urban areas. However, one subzone does not have to be contiguous with another. To date, 123 subzones have been proposed and 118 approved.

KOZ will offer greatly reduced or no tax burden for residents and businesses. Furthermore, to ensure the greatest investment opportunities and other advantages, KOZ status can be retained for a maximum of 12 years, after which the preferential tax treatment will expire. The tax relief status is retroactive to January 1, 1999.



Recognition of Success

The Phoenix Awards seek to showcase solutions, innovations and successful brownfield projects throughout the United States. Sixteen award finalists from across the country were selected to present detailed case histories of their projects at the fifth annual Industrial Sites Recycling Conference (ISRC) in September 1998. Three Pennsylvania sites were selected as finalists: Monessen Riverfront Park-Phase I, Pittsburgh Technology Center and Sovereign Oil/Asia Foods featured as the Southeast Showcase Site in this report. DEP is a co-sponsor of ISRC and is a charter sponsor of the Phoenix Awards.

Previous awards won by the Land Recycling Program include the 1997 Innovations in American Government Award from the Ford Foundation and the Innovations Award from the Council of State Governments.



The Land Recycling Program was honored in 1997 with the Ford Foundation's Innovations in American Government Award and the Council of State Governments' Innovations Award.

Forging Environmental Partnerships

Discussions to pursue a Memorandum of Agreement — cutting the red tape and eliminating the duplication of actions — have been ongoing during the last year with EPA Region 3 staff and the Assistant Administrator of the Office of Solid Waste and Emergency Response at EPA headquarters in Washington.

A pilot project to allow both department and EPA staff to explore the interrelationships of Act 2 concepts and EPA policies was initiated with the Bethlehem Steel Corporation (BSC) on sites in Bethlehem. A joint approval of site remediation has been conveyed to BSC for the 160-acre Beth Works property, the site of a future Smithsonian Museum. Further experience is being gained as an additional 1,600 acres of Bethlehem Steel property are remediated through the Act 2 process to meet both state and federal environmental obligations.

This cleanup is unique, not only because of the state, federal and private partnership, but also because it is the largest brownfield conversion project in the nation.

Deputy Secretary Denise Chamberlain, Bureau of Land Recycling and Waste Management Director Jim Snyder and Land Recycling Cleanup and Program Manager Tom Fidler were the primary drafters and negotiators of this unprecedented agreement.

At a press conference held in June, Tim Fields, EPA assistant administrator for Solid Waste and Emergency Response, said, "I am proud to say that the cleanup agreement reached by Bethlehem Steel, Pennsylvania DEP and EPA is a model for the Resource Conservation and Recovery Act (RCRA) corrective action program that we would like to see duplicated across the country. The agreement was reached quickly through concerted collaboration by



DEP Secretary James Seif and Tim Fields, EPA assistant administrator for Solid Waste and Emergency Response, at the announcement of the Memorandum of Agreement.

all parties, with a minimum of red tape and procedural requirements, and a focus on what matters most — cleanup standards that ensure full protection of public health and the environment as the Bethlehem Works facility evolves to support a diverse set of new uses. It is a victory for all parties involved, but most importantly it is a victory for the environment and for the people of Bethlehem."

largest brownfield project in the nation

Many people helped make the Memorandum of Agreement a reality.

L to R: P. Dougherty, Lehigh County; E. Cotsworth, EPA; G. Reibman, Northampton County; M. Shapiro, EPA; R. P. Penny, BSC; D. R. Dunham, BSC; D. E. Thomlinson, BSC; D. Brightbill, State Senator; C. Dent, State Senator; D. Ritter, National Environmental Policy Institute; W. J. Riley, BSC; W. M. McCabe, EPA; J. Seif, DEP; J. Snyder, DEP; C. H. Barnette, BSC; W. McDonnell, DEP; T. Fields, EPA; D. Chamberlain, DEP; A. E. Moffitt, Jr., BSC; invited guest; J. Gregory, Bethlehem City; S. G. Donches, BSC; P. Gotthold, EPA; M. P. Vickers, EPA; J. Brogna, DEP; M. Szabo, Bethlehem City; E. B. Wilson, BSC; J. M. Zaire, BSC; S. Samuelson, State Representative; S. Lubar, Smithsonian Institution.





“Bethlehem Works can serve as a national model for this type of cooperation.”

— Tim Fields,
EPA assistant administrator for
Solid Waste and Emergency Response

Secretary Seif addresses the crowd at Bethlehem Steel about the new federal partnership.



In an effort to help other governmental agencies replicate the program during the past year, the department staffed exhibits and provided program material at the Industrial Sites Recycling Conference in Pittsburgh, the EPA Brownfields Conference in Los Angeles and the International Environmental Expo '99 in Atlantic City, N.J. A colorful road sign theme brochure that explains the benefits of the Land Recycling

Program was created as well as a new easy-to-read pocket-size guide of statewide health standards for cleanup experts.

As demand for information about this successful program grows, staff continue to supply information and documents to lawyers, legislatures and policy analysts across the country. In fact, the Missouri legislature phoned Land Recycling staff on the exhibit floor during the Los Angeles conference to clarify various redevelopment issues. International interest and demand also are on the rise. A representative from a Scottish environmental agency researched the Land Recycling Program and met with DEP staff in Philadelphia to prepare

for the first Scottish Parliament in July 1999.

Outreach to the Commonwealth and Beyond

The program continued to nurture and expand its relationships with citizens, environmental consultants, developers, lenders, commercial real estate specialists and businesses. Popular client workshop sessions were held again this past year in Monroeville and Valley Forge, both of which sold out. These workshops, which are offered twice a year, are also posted on DEP's homepage. To date, more than 750 individuals and organizations have received extensive training. Additional workshops are planned for fall 1999.



Locally, the department reached the communities in Pennsylvania by creating a practical approach to brownfields redevelopment at the Pennsylvania State Association of Township Supervisors convention in Hershey and the convention of the Pennsylvania Planning Association in Philadelphia. A similar session was held in Scranton at the Northeast Pennsylvania Environmental Forum.

The department also has established a partnership with Phoenix Land Recycling Company (a non-profit organization established to facilitate brownfield transactions) and the Development Fund (a financial intermediary based in California). The goal of this collaborative effort is to apply the experience



8
Using results gathered from a focus group, major insurance providers and DEP are working together to develop an environmental plan for remediators that relieves the uncertainty related to brownfields redevelopment.

of the Development Fund in exploring alternative sources of funding in eight different states to satisfy project funding uses in Pennsylvania. The establishment of such a fund in the Commonwealth will provide investment opportunities for lenders, businesses and private investors while at the same time providing more flexible funds for brownfield conversion projects. According to Keith Welks, president of Phoenix Land Recycling Company, "The establishment of a financial intermediary in Pennsylvania will allow the timely support of critical brownfield projects that may not otherwise be funded because of the constraints placed upon the conventional lending community."

The department also gave a presentation to a commercial real estate group in Lancaster, another to developers in Allentown and a third at a meeting of Pennsylvania mayors in Philadelphia. A presentation is currently planned for Robert Morris Associates, a banking industry group that is key to the redevelopment of brownfields. An initial meeting with professionals from the insurance sector was held to discuss environmental insurance related to brownfields redevelopment. A focus group was formed to tailor insurance to further stimulate redevelopment.

Reaching future generations and planning for the 21st century are important concerns for the department. To that end, the department gave presentations again this year to Lehigh University environmental engineering students and University of Pennsylvania planning students. The department also spoke to officers at the Army War College who study the environment as an element of national power.

Upcoming Challenges

The department has made tremendous strides over the past four years — a new approach to environmental protection and site remediation has taken hold in Pennsylvania and has established a foundation for the future. During the next year, a number of new initiatives will be put in place to further stimulate brownfield reuse. The Brownfields Inventory Grants process will result in a more extensive "multi-list" of brownfield properties. The Pennsylvania Brownfields Directory, already established on the department's website, may be accessed by private investors interested in converting one or a number of properties into productive, tax-producing assets for Pennsylvania municipalities.

The department is engaged in discussions to allow voluntary remediators to satisfy federal regulatory obligations while completing site cleanup under the Land Recycling Program. More money and new funding sources for brownfield assessment and cleanup will become available through the creation of the financial intermediary in Pennsylvania. Through this financial mechanism, banks, businesses and private investors can more freely invest and brownfield entrepreneurs can more easily obtain funds for projects. The department will continue to explore the establishment of an environmental insurance product to further relieve both the real and perceived uncertainty that shrouds the cleanup and reuse of contaminated lands.

During the next year, new initiatives including environmental insurance for remediators are being put into motion. In fact, a meeting with principals from major insurance providers was held in August 1999 to outline a successful approach to insuring property owners against liability during cleanup.

The Land Recycling Program also will continue to seek opportunities to incorporate green design principles that include open space, greenways and river-front restoration into redevelopment projects ranging from commercial to residential mixed-use properties.

By keeping abreast of the latest environmental and economic trends, the Land Recycling Program will continue sustainable progress for the future that will benefit all Pennsylvanians.

21st Century Development for a Greener Pennsylvania

Abandoned industrial sites have traditionally been a liability for Pennsylvania's urbanized areas and rural communities. During the past four years, the Land Recycling Program, through an environmentally sound approach, has worked with business owners, lenders and communities to transform these once blighted properties into safe, productive sites.

As DEP moves into a new century, more innovative approaches and strategies are bound to take shape, but what will always remain true is Pennsylvania's commitment to the health and safety of its citizens and environment. For example, together with the Department of Conservation and Natural Resources (DCNR) and the Natural Lands Trust, the Land Recycling Program created a booklet to promote the "greening" of Pennsylvania. Titled *Green Opportunities for Brownfields: Conservation Planning for Recycling Land*, the booklet provides steps and ideas to encourage the creation of green space and mixed uses in brownfield redevelopment projects.

DEP will continue to promote strategic land use planning that translates into economic value for investors and jobs for Pennsylvanians. DEP invites you to share in the vision for a greener Pennsylvania and continued prosperity in the century to come.



Left, A celebratory atmosphere, including a fiery dragon, set the stage for the grand opening of Asia Foods in Philadelphia.

Right, Wilkes-Barre scores a strike in brownfields conversion. L to R: Deputy Secretary Denise Chamberlain; Ellen Alaimo, Pennsylvania Environmental Council and Jody Brogna, Northeast Environmental Cleanup Manager.

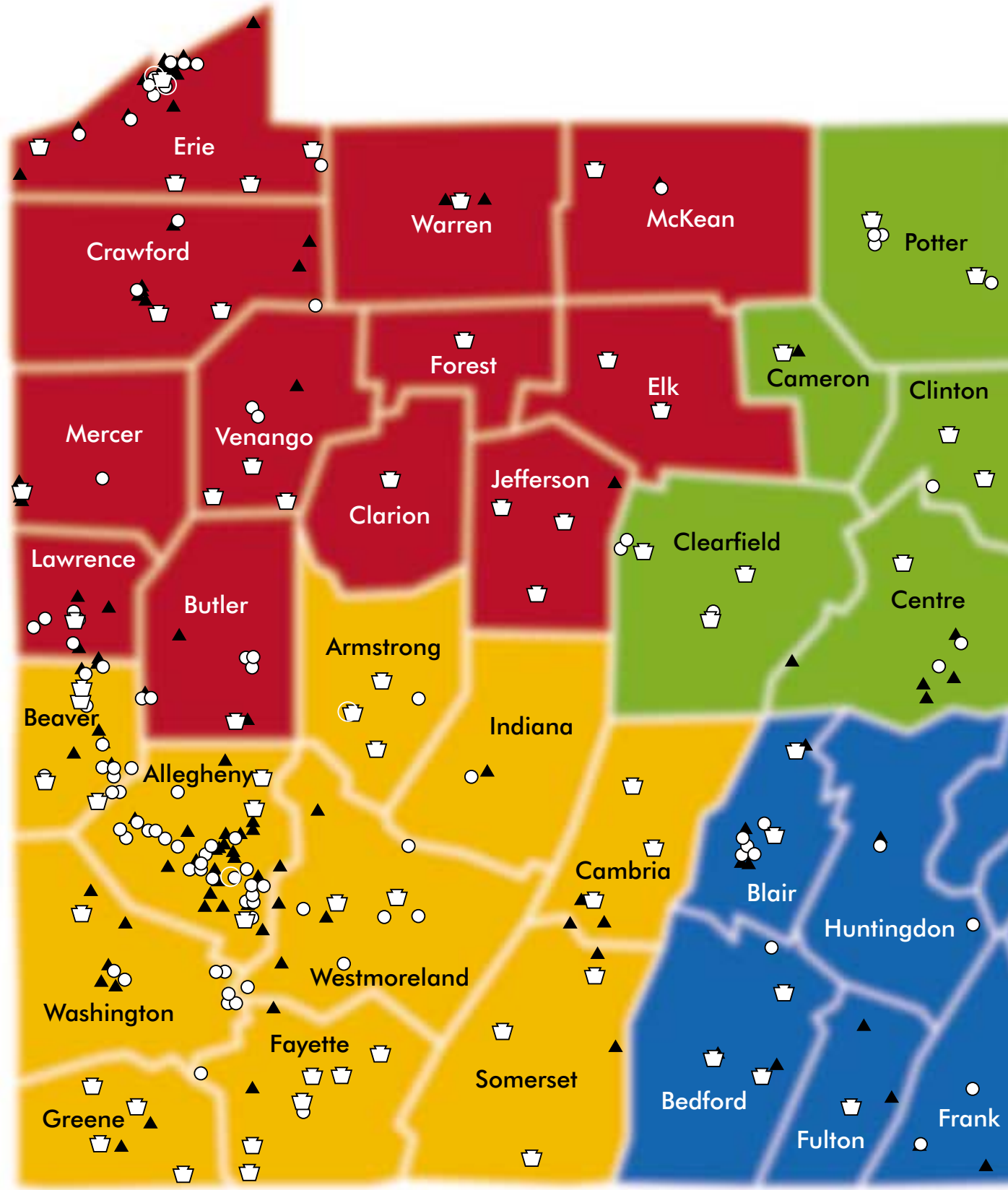


The successes of Pennsylvania's Land Recycling Program are bringing business and recreational benefits to the community and the economy, including thousands of new jobs.



Left, Southeast Pennsylvania loses a brownfield and gains an 18-hole public golf course. L to R: Bob Hyams, Transit America; Deputy Secretary Denise Chamberlain; Jennifer Berke, Transit America and DEP Secretary Seif.

Pennsylvania's Land Recycling

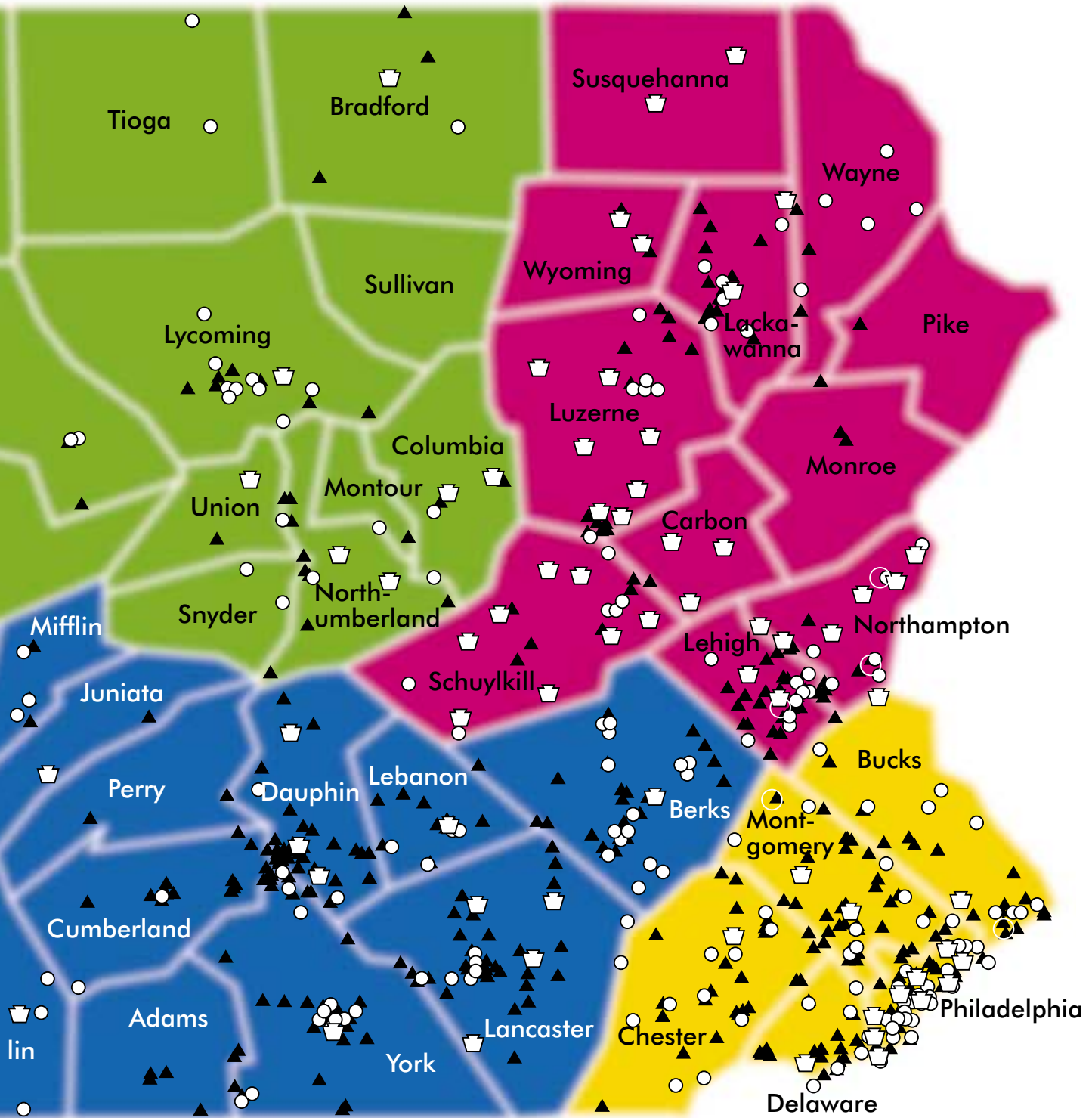


- Site In Progress
- ▲ Site Completed
- 🗑️ Keystone Opportunity Zone
- Key Site

Program

Sites

July 1995 – August 1999



cooperation

jobs

progress



Regional Showcase Overview

Welcome to Regional Showcases, where DEP highlights some of the most exciting and innovative redevelopment projects carried out by our partners under the Land Recycling Program. As diverse as the regions they occupy, these projects are representative of the ever-increasing number of sites bringing new life and commerce to these once blighted industrial or commercial properties.

In DEP's Southeast Region, a former used oil and antifreeze recycling and repackaging facility was remediated, resulting in the new Asia Foods distribution center. Currently nominated for a Phoenix Award, this center is revitalizing the local community, economy and environment by employing more than 70 residents.

Petroleum contamination once plagued the former Delaware and Hudson Railroad Yards in the Northeast Region. But now a furniture manufacturing facility is being constructed on the site, revitalizing this small community by redeveloping more than 100 acres of land and providing 75 jobs for local residents.

The site of the former Lebanon Steel Foundry in the Southcentral Region represents the multitude of ways that true recycling can help lift the spirit of a neighborhood. Plans call to create a new industrial park by recycling almost everything on site, including the wood and steel from the old factory buildings.

Herman Banks Scrapyard, once used to recycle motors, is the Northcentral Region's highlight. Located next to the Milton Wastewater Treatment Plant, this remediated property will enable the community to grow by providing area for the plant to expand.

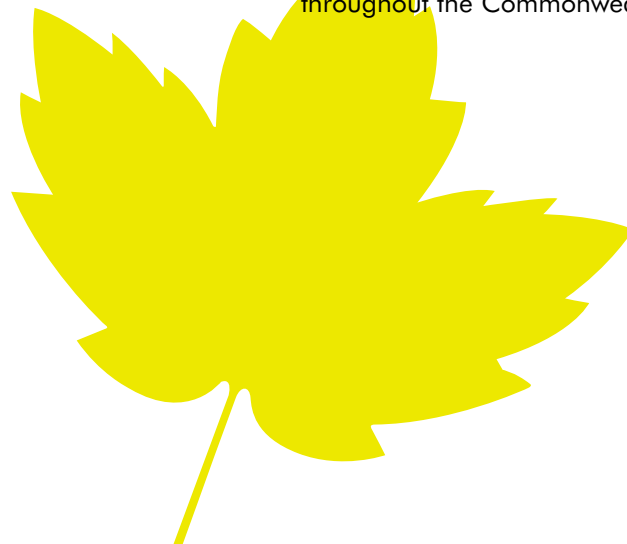
In the Southwest Region, EchoStar, a telecommunications company, will locate its East Coast service center at the site of the former U.S. Steel National Tube Pipe Mill in McKeesport.

GPU Energy's Front Street Station was the catalyst for a lakeside renaissance on the shores of Lake Erie. Remediation of this property in the Northwest Region allowed developers to turn this site into a museum, a public library and the berth for the Flagship Niagara.

Following the showcase sites, DEP highlights a triple success in West Chester Borough. These three dynamic projects in the Southeast Region illustrate the diversity of success continually being achieved throughout the state. Mitch's Market Street Gym, the site of a former dry cleaning facility, is enhancing its surrounding neighborhood and providing fitness opportunities for residents. The positive impact of land recycling also will be demonstrated by the construction of a community park on the site of a former PECO Energy Manufactured Gas Plant. Similarly, the region is benefiting from the remediation of a brownfield that was once the site of a pharmaceutical manufacturer. Alliance Environmental Systems plans to move its headquarters to this location, thus strengthening the economy of the region.

Lastly, DEP jumps on the land recycling bandwagon with the construction of its own Southcentral Regional Office on a brownfield.

DEP invites you to continue reading and discover the details of the diverse, innovative remediation projects making a difference in your community and throughout the Commonwealth.



Southeast Region **Showcase** Site

Land Recycling Brings Good Fortune to Philadelphia

Asia Foods, City of Philadelphia, Philadelphia County

In March 1999, Philadelphia Mayor Edward G. Rendell, DEP Secretary James Seif, DEP Deputy Secretary Denise Chamberlain, general manager of Asia Foods W.T. Cheung, executive director of the Empowerment Zone Eva Gladstein and hundreds of residents and friends celebrated the opening of the new \$4-million, 60,000-square-foot Asia Foods distribution center in the American Street Empowerment Zone in Philadelphia.

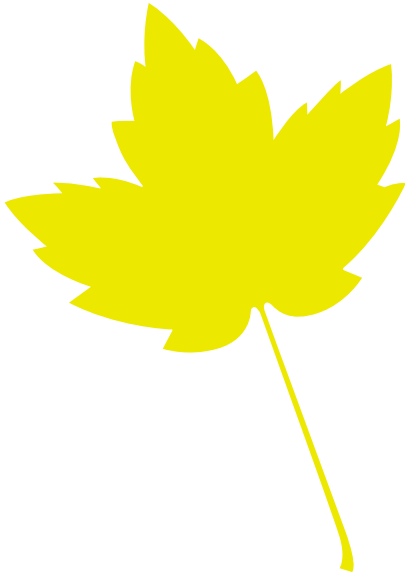
A celebratory atmosphere of Asian songs, honor and tradition, including a fiery dragon, set the stage for the grand opening. An over-sized fortune cookie was presented by DEP to Asia Foods representatives with a fortune inside that read, "A wise man once said: Coming together is a beginning; keeping together is progress; working together is success."



Deputy Secretary Denise Chamberlain and Mayor Edward Rendell congratulate Asia Foods during its spectacular grand opening.



Southeast Region Showcase Site



As the former Sovereign Oil facility, this property was once home to a used oil and antifreeze recycling and repackaging facility. In 1989, a department inspection revealed a large, recent oil spill. The City of Philadelphia Fire Department subsequently shut down the facility due to a fire hazard created by leaking valves and flanges. In 1992, further department investigations found that soil stained and soaked with oil still existed under the aboveground storage tanks.

“Brownfield redevelopment is an integral part of our economic development strategy because it generates jobs, returns abandoned land to use and revitalizes neighborhoods.”

— Philadelphia Mayor
Edward G. Rendell

Despite cleanup efforts by the Philadelphia Industrial Development Corporation (PIDC) in 1993 and 1994, this brownfield site remained in limbo until a Notice of Intent to Remediate was submitted to the department in 1997. The City of Philadelphia acquired the property in December 1997 and shortly thereafter submitted a remedial grant application to the state. The Pennsylvania Department of Community and Economic Development (DCED) approved \$900,000 for the project under the Industrial Sites Reuse Program.

This marked the first time the city had been awarded a grant solely for remediation under the Land Recycling Program. The city pledged \$300,000 in matching funds to complete the necessary site work in preparation for redevelopment. In addition to a \$1-million loan from the American Street Financial Services Center, PIDC provided \$1.2 million of financing toward the projected \$4-million project. The special industrial area standard was selected for the cleanup, which took less than five months to complete.

In recent years, Philadelphia has been implementing a proactive brownfield redevelopment initiative. “Brownfield redevelopment is an integral part of our economic development strategy because it generates jobs, returns abandoned land to use and revitalizes neighborhoods,” said Mayor Rendell.

The remediation was made possible by the unique partnership among city agencies, PIDC, DEP and DCED. “Philadelphia has made tremendous strides in implementing DEP’s award-winning Land Recycling Program,” Secretary Seif said. In fact, the site is a finalist in the 1999 Phoenix Awards. “This is just the sort of project that was envisioned when the program was created. The spirit of cooperation and partnership forged at this site will benefit the local economy and community, as well as the environment.”



Showcase Site

Reinventing Itself for a Future in Manufacturing

Former Delaware & Hudson Railroad Yards, Carbondale, Lackawanna County

From sawmill to rail yards, to everything in between, this site has a long history of serving versatile uses for many companies during the last 120 years. Most recently, it was the site of the Delaware & Hudson Railroad Yards.

Use of the site began as early as the 1870s and over the years included a roundhouse, a sawmill, miner homes and the Coal Brook Breaker, the largest coal washing and sizing facility in the county at the time. The yard expanded during World War I and was used primarily as a classification yard for anthracite coal. The site operated as a railroad yard until the 1940s when Delaware & Hudson Railroad Yards used it as a railroad car repair operation until the 1970s.



*David James,
executive vice president,
S.J. Bailey & Sons.*



*A new furniture
manufacturing facility
for S.J. Bailey & Sons'
employees.*



*L to R: David James, executive vice president,
S.J. Bailey & Sons; Steve Saunders, Esq.;
Robert Gomer, president, S.J. Bailey & Sons
and Bill Boyle, Carbondale Industrial
Development Authority.*

Northeast Region Showcase Site

175 jobs

The latest owner of the property is the Carbondale Industrial Development Authority. Totalling 107 acres, the yards were recently designated a business enterprise zone, which fell under the special industrial area status of Act 2. Soils contaminated with petroleum products were found at the site.

“We contacted Jody Brogna [of DEP] and asked him for help with the project and explained to him that we had very tight time constraints. We needed to know if the department’s staff could meet our deadlines and he assured us that it could and you know — they did,” said David James, executive vice president, S.J. Bailey & Sons.

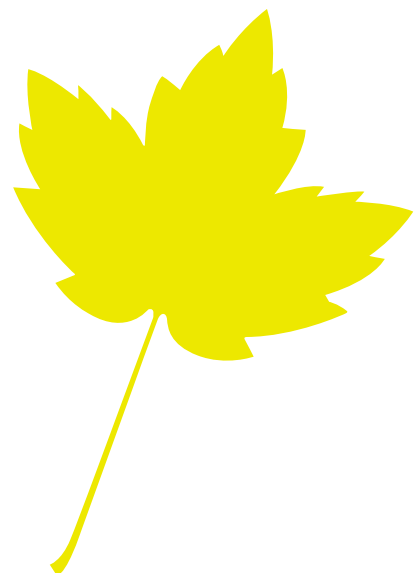
Using grant money from DCED, the site was assessed and cleaned up. Construction of a furniture manufacturing facility for S.J. Bailey & Sons, who already occupies more than 20 acres of the property, began early in 1999. Approximately 175 jobs will be created in this new facility.

According to attorney Steve Saunders of Kreder, Brooks, Hailstone & Ludwig, counsel for S.J. Bailey & Sons, “the relatively short time that it took to go from submission of the Notice of Intent to Remediate to the approval of a consent agreement providing the liability protection was due in large part to the cooperation and responsiveness of DEP staff and the Regional Counsel’s Office.”

“Pennsylvania’s license plates long had a slogan on them, ‘You’ve got a friend in Pennsylvania.’ I never thought much about that, but having worked through this project, I know it’s true. It has been a very pleasant experience,” said James.

“Pennsylvania’s license plates long had a slogan on them, ‘You’ve got a friend in Pennsylvania.’ I never thought much about that, but having worked through this project, I know it’s true. It has been a very pleasant experience.”

— David James, executive vice president,
S.J. Bailey & Sons



Southcentral Region Showcase Site

Putting Recycling to Work in Redevelopment

Lebanon Steel Foundry, City of Lebanon, Lebanon County

Abandoned after the steel industry decline in the 1980s, the collapsing Lebanon Steel Foundry, also known as the Lebanon Foundry and Machine Company, is soon to be reborn as a new industrial park for Lebanon City with the help of the Land Recycling Program.

In 1991, Jack Keener, president of East Lehman Management Company, purchased the property. The old site underwent environmental cleanup efforts to remove surface industrial hazards and materials, including the removal of PCB transformers under the Hazardous Sites Cleanup Act in the mid-1990s. However, the major concerns, a thick oil layer on the water table, gasoline from leaking underground storage tanks, petroleum products in the soil and possible PCB oil leakage from on-site transformers, still remained. Beginning in 1996, these problems were addressed under the newly created Land Recycling Program.

18



L to R:
Lebanon Mayor
Jacqueline Parker; Jack
Keener, president of East
Lehman Management
Company; Cheryl Ann
Beattie Bentz, director of
Public Safety and
Christopher Papadakis,
Berkshire Environmental.



Remediation of this site
will include recycling
nearly all of the former
building materials.

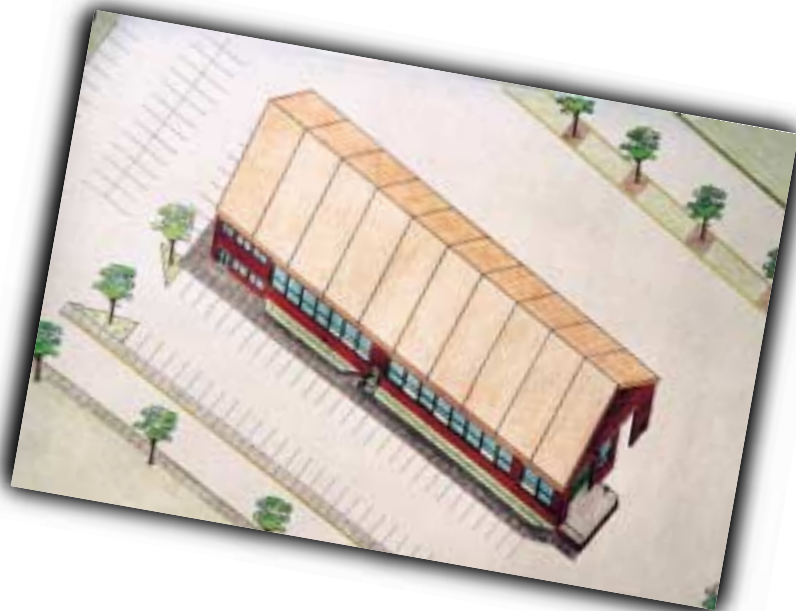
Southcentral Region Showcase Site



What makes this site unique is that not only is the land being recycled, so is the wood, steel and concrete from the old factory buildings. More than 90 percent of the material will be recycled and incorporated into an industrial park. Three of the five old buildings on site will be repaired and reused. The concrete, bricks and building blocks from the demolished buildings will be crushed into material to be used for base material for the roads, parking areas and sewer lines on the property. All uncontaminated wood is being turned into mulch that will be utilized in the new industrial park, and all of the metal is being shipped to Bethlehem Steel for recycling.

Lebanon Mayor Jacqueline Parker explained that this redevelopment is indicative of the city's future, "The spirit of the community deteriorated with this site. With this help and progress, it symbolizes a new direction for the city. We've created this site so economic development can occur."

Cleanup of the site is estimated at several million dollars. Using the special industrial area standard, the cleanup should be completed in late 2000.



"The spirit of the community deteriorated with this site. With this help and progress, it symbolizes a new direction for the city. We've created this site so economic development can occur."

— Lebanon Mayor
Jacqueline Parker

Showcase Site

Redeveloping to Strengthen the Community

Herman Banks Scrapyard, West Chillisquaque Township, Northumberland County

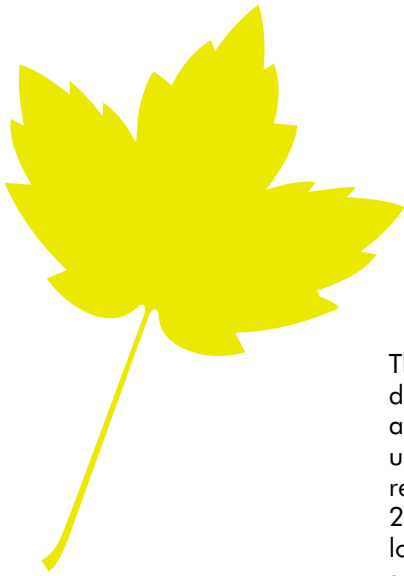
From the 1930s until the early 1980s, the 3.8-acre Herman Banks Scrapyard was used primarily to recycle motors and batteries, resulting in heavy metal, PCB and petroleum-contaminated soil. This property, heavily contaminated with a variety of relatively immobile contaminants, was an eyesore and could have remained that way for a very long time.

Rue Rothemel, senior vice president and senior trust officer of First National Bank, Sunbury, explained that although his organization had been working with the site since 1994, it was "the advent of Act 2 [that] made it possible to bring this site to its current condition, which now has great potential for reuse. The working relationships between the corporate trustee, the personal trustees and the environmental consultant, Epsys, and DEP resulted in the successful remediation of this property." Consequently, this site no longer poses a human health or environmental risk and has excellent industrial reuse potential.



Rue Rothemel, senior vice president and senior trust officer of First National Bank and Kevin Kroclic, DEP project officer, discuss new hopes for an old scrapyard.





Northcentral Region Showcase Site

The site-specific remediation of this brownfield site consisted of excavating and disposing of 231 tons of PCB and 194 tons of hydrocarbon-impacted soil at approved off-site facilities. A building containing asbestos, a 1,000-gallon underground storage tank and a large quantity of junk and debris also were removed from the site. After extensive sampling and modeling, approximately 2,500 cubic yards of impacted soil were consolidated and moved to a suitable location at the site. The soil was graded, compacted in lifts, covered with clean soil and re-vegetated, eliminating the direct contact pathway threat and controlling stormwater runoff. A site operation and maintenance plan also is in place.

The property is adjacent to the Milton Wastewater Treatment Plant, which has indicated a strong interest in the location. In order for the community to grow, the capacity of the treatment plant would have to be increased.

“The Land Recycling Program is a very important tool to assist in refurbishing communities. Farmland and other greenland is often being taken for industrial purposes,” Rothermel expressed. “Most communities have a big problem trying to find new places for commercial development. When we can use sites like this, it is a real benefit to these communities.”

“The Land Recycling Program is a very important tool to assist in refurbishing communities.”

— Rue Rothermel,
senior vice president and
senior trust officer,
First National Bank, Sunbury



Showcase Site

Land Recycling Facilitates Economic Rebirth of Old Steel Town

EchoStar, McKeesport, Allegheny County

In May 1995, on the site of the former U.S. Steel National Tube Pipe Mill in McKeesport, Governor Tom Ridge signed the legislation that created the Pennsylvania Land Recycling Program. Three years later, he returned to announce the selection of the site as the location for the East Coast service center for EchoStar. EchoStar owns The Dish Network, which brings direct satellite television to 1.4 million people. Approximately 2,000 customer service representatives will answer calls here concerning programming, installation and billing. Of this 133-acre site, which is now known as the McKeesport Industrial Center, almost 22 acres are occupied by the newly renovated building known as the McKeesport Commons.



Denver-based EchoStar turned an old steel mill into a new facility in McKeesport that will employ 2,000.



Southwest Region Showcase Site

2,000 jobs

The Land Recycling Program teamed with several related programs and enabled the state to provide a total financial package of \$4 million for the project. These other programs included the Machine and Equipment Loan Fund, Opportunity Grant Program, Customized Job Training Program and the Job Creation Tax Credits Program. EchoStar looked at labor force, population, wages, business costs and quality of life considerations of many communities in the eastern United States before selecting McKeesport for its eastern base.

Typical of steel mill sites, investigation and characterization at this site have shown the presence of heavy metals and petroleum products. Several storage tanks were removed and pathway elimination measures will be used to address the metals contamination under the site-specific standard.

The revitalization of this old steel mill, a vivid reminder of the area's proud economic past, showcases the community impact and economic rebirth possible through the Land Recycling Program. "This site can be used as a working demonstration of the rebuilding of an urban center. Working arm-in-arm with not only the state but with the local folks we were able to not only use the Land Recycling Program but [also] to demonstrate its success," explained Frank Brooks Robinson, president of the Regional Industrial Development Corporation (RIDC).

"This site can be used as a working demonstration of the rebuilding of an urban center."

— Frank Brooks Robinson,
president,
Regional Industrial
Development Corporation



Mulugetta Birru, executive director of the Urban Redevelopment Authority–Pittsburgh and Governor Tom Ridge congratulate each other on the rebirth of the McKeesport site.

Showcase Site

A Flagship for Redevelopment

GPU Front Street, City of Erie, Erie County

For more than 80 years, GPU Energy's Front Street Station, a 118-megawatt coal-fired power plant, was located along Lake Erie on Presque Isle Bay. During this time, the coal storage pile for the power station, an electrical substation and an aboveground fuel oil storage tank were located on an adjacent lot. Now, the U.S. Brig Niagara (an authentic replica of the U.S. flagship in the 1813 Battle of Lake Erie) rests majestically in its berth facing the Erie County Public Library and Erie Maritime Museum.

Operations at the site had contaminated the soil with heavy metals, which were excavated and removed in 1991. Petroleum contamination in the soil associated with the substation also was excavated and removed. An old storage tank had contaminated another parcel of the site, the location of the former Community Boating Center, with gasoline components. Through active remediation, the contamination was reduced to protective levels.



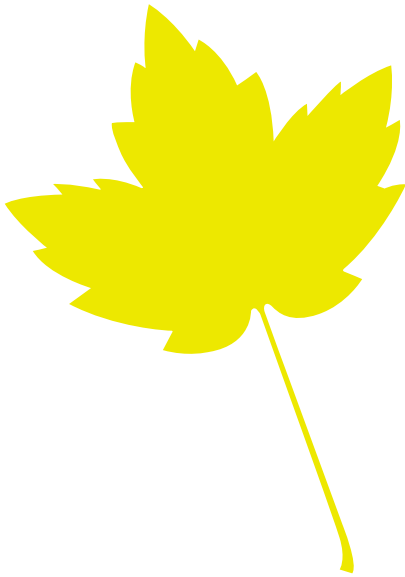
The majestic U.S. Brig Niagara stands sentry along Erie's new riverfront development.



The new lakeside Erie Maritime Museum.

L to R: Chris Lawrence, CH2M Hill; Eric Roland, environmental project officer, GPU Energy; Charles Mowbray, director of Environmental Affairs, GPU Energy; Marilee Hylant, project officer, DEP; Nick Scott, local developer and Greg Rubino, real estate broker.

Northwest Region Showcase Site



GPU began working with the department in 1991 to address the environmental issues at the site. Much of the remediation work, which included the site of the former power plant and the additional parcels obtained by GPU, coincided with the start of the Land Recycling Program and the regulations established under Acts 2, 3 and 4 of 1995. Eric Roland, GPU's environmental project officer for the site, explained that the realistic standards under Act 2 and the cooperation of the department made the cleanup achievable. Cleanup was carried out using various standards and was completed in 1998. Both the updated library and inviting museum are successful results of the redevelopment of an old industrial site.



A state-of-the-art library and museum for Erie residents.



The old generating building and a portion of the site were donated for the museum and library and the home berth for the Flagship Niagara. In fact, the old smokestack that was left on the site may be integrated into the new project. "This is a mutual benefit," said Charles Mowbray, director of GPU's Environmental Affairs. "We want to see growth and vitality on this site. Our economic health is dependent on the county's economic health. The flexibility of Act 2 provided a nice change from the old 'clean up to pristine background conditions' policy of the past. This place has a lot of potential." This flexibility enables the site to be cleaned up to a level that is protective of human health based on the proposed reuse of the site.

Local developer Nick Scott and real estate broker Greg Rubino are exploring plans for a convention center, restaurant and lakeside condos for the remaining part of the site. "With the liability relief provided by the program, we can do almost anything with the property," said Rubino.

"We want to see growth and vitality on this site. Our economic health is dependent on the county's economic health."

— Charles Mowbray, director of GPU's Environmental Affairs

Triple Play for West Chester

Fitness Center

Community Park

Economic Development Center



West Chester Borough, Chester County

Residents of West Chester Borough are celebrating several projects that have brought areas of their neighborhood back to life under the Land Recycling Program. Three different projects in the borough show the diversity of success that can be achieved by redevelopers who participate in the Land Recycling Program.

Mitch's Market Street Gym

One of the primary goals of the Land Recycling Program is to take sound old buildings and revitalize them for new uses — to give them a new life.

Recently opened Mitch's Market Street Gym will provide the local community with approximately 15 new jobs while promoting the health of its customers. In the words of Market Street Gym Operator Donna Markley, "This building was meant to be a health club in its second life." One look inside the new facility will convince you. Its huge sun-filled windows, sparkling chrome equipment and brilliant oak floors (retained from the old building) all create an inviting atmosphere for a workout.

PECO Energy Manufactured Gas Plant

PECO Energy spent \$2.3 million between March and October 1996 to clean up this 1.7-acre parcel located at East Minor and South Matlack streets in the borough. This former manufactured gas plant is being developed into a playground and greenspace for the residents.

Alliance Environmental Systems

"The possibilities of this site are limitless. This program should go nationwide," said Senya Isayeff, vice president of Alliance Environmental Systems. Alliance has developed a work plan to turn this abandoned site into a business park that will house its new headquarters. This 9.7-acre property on East Union Street was the site of a former pharmaceutical manufacturing plant.



Triple Play for West Chester

Mitch's Market Street Gym

From 1927 until 1995, this 14,400-square-foot site was occupied by a commercial/retail laundry facility known as West Chester Laundry. During the facility's 68 years of operation, activities ranged from cleaning and storing of rugs to wet and dry cleaning for retail and commercial customers.

A soil gas survey in March 1995 revealed soil contamination in the former dry cleaning (solvents) and gasoline underground storage tank (UST) areas. "We were smart," said Jim Jefferis, former laundry owner, "we contacted DEP right away and that solved a lot of problems. We invited them to come for a site visit and told them everything we knew."

In April 1995, one fuel oil UST and the gasoline UST were removed. After the use of modeling to predict the migration potential of the contaminants PCE and TCE, cleanup consisted of soil removal from the two former tank areas, pathway elimination and natural attenuation. The cleanup standards selected included both statewide health for soil and statewide health and site-specific for groundwater. Cleanup occurred from April 1995 until September 1998 and cost approximately \$140,000.

"This building was meant to be a health club in its second life."

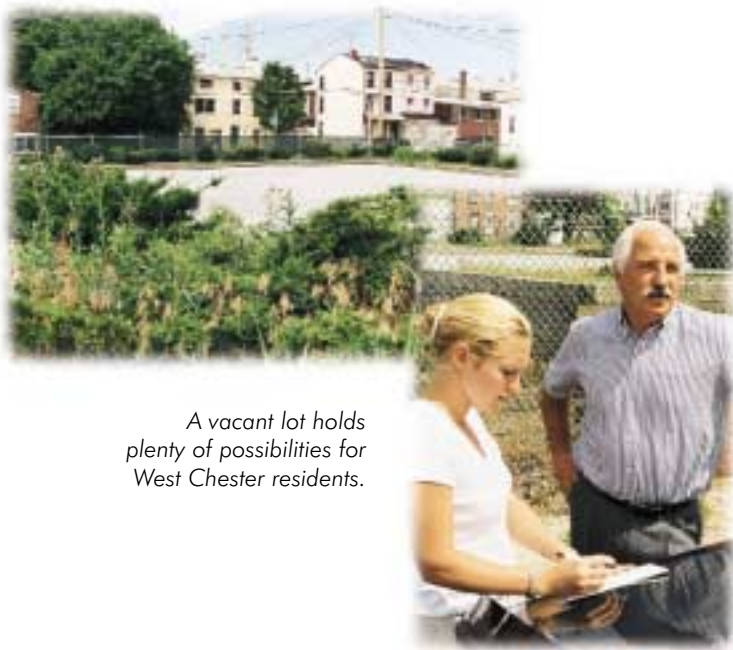
— Mitch's Market Street
Gym Operator
Donna Markley

From an old laundry to a modern gymnasium.



L to R: Jim Jefferis, former owner of West Chester Laundry; Donna Markley, gym operator; Kathy King, DEP project officer and Gloria Hunsberger, Powell Harpstead Inc.

Triple Play for West Chester



A vacant lot holds plenty of possibilities for West Chester residents.

“It benefits us and it benefits the community.”

— David Casereo,
PECO Energy

PECO Energy Manufactured Gas Plant

The second highlighted project is turning a former manufactured gas plant (MGP) into a community park. The park will be named after Horace Pippin, an artist from West Chester, famous for red benches in his paintings. Playground equipment, splash fountains, dinosaurs and red benches are planned for the park.

From 1852 until 1927, the MGP generated gas for home lighting, heating and cooking. This process of manufacturing gas created many different wastes including coal tar, petroleum wastes and purifying wastes. The 1.7-acre site has been vacant since 1988.

In the summer of 1992, PECO began a voluntary assessment of the environmental conditions at the West Chester MGP. The investigation found some limited surface soil contamination in the North Yard. The contaminants present in the North Yard were TPH, PAHs and some metals. These were removed and disposed of at a permitted landfill. In the Main Yard, there were more extensive environmental impacts. Surface soils were contaminated with PCBs, PAHs and metals. These soils were removed to a permitted landfill.

Subsurface soils were impacted by PAHs, TPH, benzene, toluene, ethyl benzene and xylene (BTEX). Most of these contaminants were removed when the old subsurface gas holder was cleaned. The subsurface gas holder was full of coal tar-contaminated soil and debris, which were removed and disposed of. The holder structure was then steam cleaned and backfilled with clean fill. Mainly benzene and naphthalene affected the shallow groundwater. Fortunately, the groundwater in West Chester is not used for drinking water and no human or ecological receptors were affected. The cleanup was carried out from March to October 1996 at a cost of \$2.3 million. The site obtained relief from liability under the site-specific standard.

Borough Manager Ernie McNeely expressed his gratitude, saying, “Thanks to the hard work of the Borough Council, DEP, PECO Energy and the Department of Conservation and Natural Resources, the dream of creating a community park will become a reality.”

“It benefits us and it benefits the community,” said David Casereo, PECO Energy.

The park will be named after Horace Pippin, an artist from West Chester, famous for red benches in his paintings. Playground equipment, splash fountains, dinosaurs and red benches are planned for the park.

Triple Play for West Chester



The extent of cleanup is challenging but made easier by working with Land Recycling staff.



“We were ... one of the few companies to apply for the federal tax incentive through DEP’s easy-to-use system and we received our approval in seven days.”

— Senya Isayeff, vice president,
Alliance Environmental

Alliance Environmental Systems

The final project is the former Fermtec facility, located in the 500 block of East Union Street. This 9.66-acre subdivided site was home to a clay quarry operation for brick manufacturing prior to 1900, then used as a borough dump for bottles, cinders, ashes, bricks, gypsum board, metal and household refuse. Wyeth Laboratories purchased the property in 1948, developed it in 1951 and sold it in 1984 to a pharmaceutical manufacturer, eventually known as Fermtec, that produced penicillin.

During the late 1960s, Wyeth experienced a release of methylene chloride at the southern portion of the property. The release of this chemical affected groundwater and the surface water of neighboring Goose Creek. In 1975, a groundwater recovery well was installed to contain and remove the methylene chloride plume present in the groundwater. The pumped groundwater was subjected to “pretreatment” prior to discharge to the Goose Creek Treatment Plant. A portion of the methylene chloride plume is believed to underlie the present site.

Fermtec utilized aboveground storage tanks (ASTs) to store methyl isobutyl ketone, methylene chloride, acetonitrile and acetone. These solvents were used in the penicillin production process. The solvents were recovered after use through a closed-loop solvent recovery system. There was potential for a release to soils and groundwater in the AST area. Other areas of concern within the former Fermtec plant included transformers and process water tanks.

Manufacturing operations ceased in 1991 and the site has been abandoned since 1994. Alliance Environmental Systems Inc. has developed a work plan and submitted a formal request for funding to characterize the property, with the intent of moving its headquarters to the location.

“The possibilities of this site are limitless. This program should go nationwide. We were the first private organization to apply for a low-interest loan through the program. We were also one of the few companies to apply for the federal tax incentive through DEP’s easy-to-use system and we received our approval in seven days,” said Senya Isayeff, vice president of Alliance Environmental.

Approximately 30 surface and subsurface borings have been completed for the collection of soil samples for analysis of VOCs, semi-volatile organic compounds, metals and PCBs.

Setting the Example With “Green”

Southcentral Regional Office

As an expression of DEP’s commitment to the idea of land recycling and the reuse of old contaminated sites, the department constructed its own 73,000-square-foot Southcentral Regional Office on an abandoned landfill. The site was once the location where flood debris and construction waste from 1972’s Hurricane Agnes were disposed of. During remediation, which was performed under the site-specific standard, a leachate collection system, which discharges to the city sewer system, was installed.

Secretary Seif, in partnership with secretary of the Department of General Services Gary Crowell and the Heinz Endowment, challenged state staff and the project developer, 909 Partners, to construct a Green Technology Model as the home of the Southcentral Regional Office. The goals of the team were to promote the concepts of green buildings, pollution prevention, energy conservation, sustainable materials, employee health and flexible workspace.

This project uses an integrated technology approach in which numerous innovative features and high performance and sustainable materials build upon each other. For example, the raised floor system and quick-release cabling and floor boxes, which permit the maximum flexibility for power, voice and data, also serve as an air plenum for heating and air conditioning. High reflectance ceiling tile reduces the number of light fixtures required, which decreases the amount of power consumed and heat generated by lighting in the building. This, in turn, saves on air conditioning costs. Motion detector switches automatically turn off lights in unused areas.



A sustainable new Southcentral office.

Extreme for the New Regional Office



Light shelves shade workers, yet provide reflected light.



Recycled glass was used in the floor tiles.

Recycled materials, including structural steel, glass for floor tiles, asphalt for the base for paved areas, mulch for landscaping, soda bottles for cubicle panels and sunflower waste for table tops, were used extensively in the construction of the building. Solvent-free paint, non-solvent attached roofing,

natural cork and toxic-free fabric dyes were used throughout the office to maintain a healthy work environment.

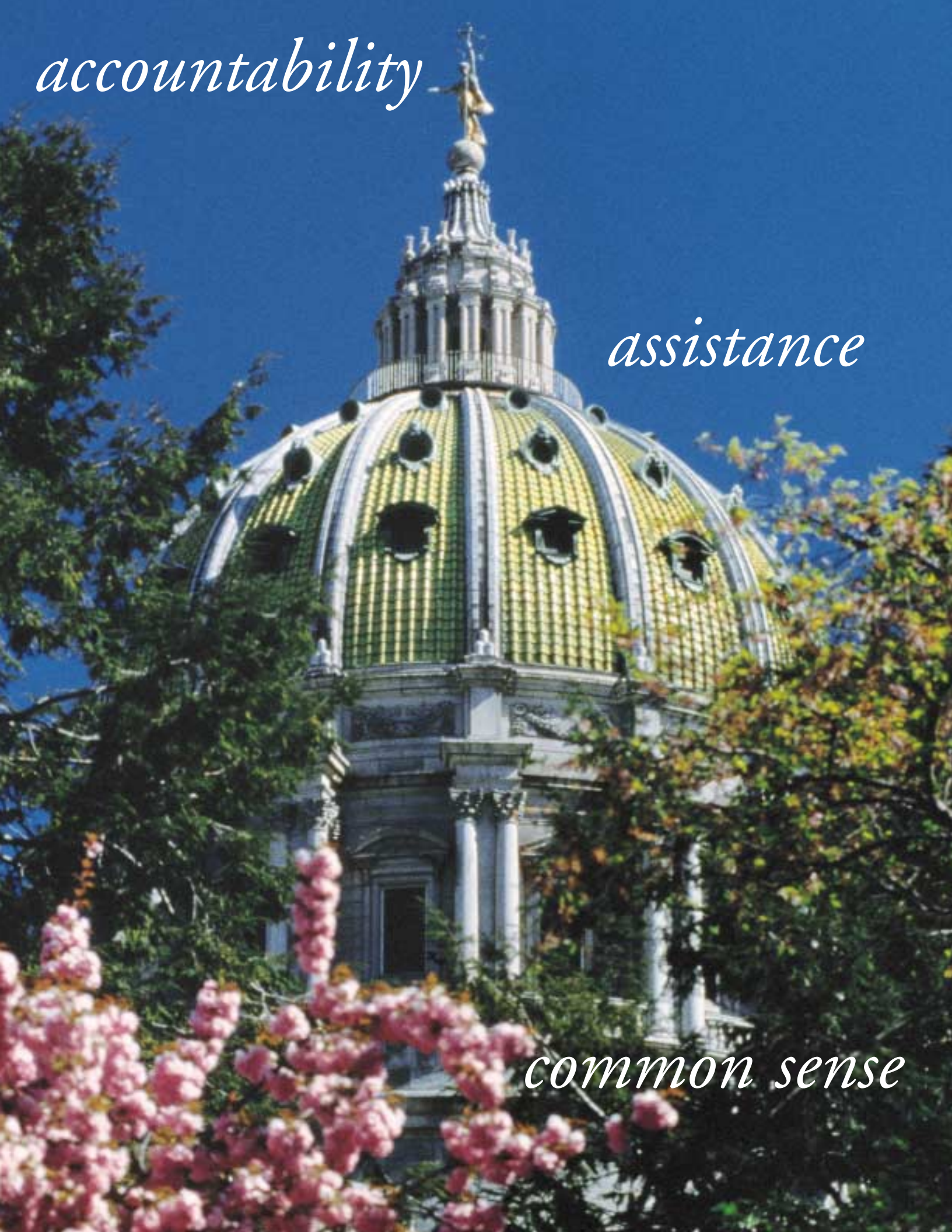
The construction cost of the building totaled about \$78 per square foot, which is well within the average construction costs for conventional buildings. However, approximately \$50,000 will be saved in energy costs each year.

This high-tech green building was awarded a Certificate of Environmental Achievement from Renew America and the National Awards Council for Environmental Sustainability. It also won a 1998 Charles Pankow Innovative Concept Award from the Civil Engineering Research Foundation and a 1999 Excellence in Environmental Engineering Award from the American Academy of Environmental Engineers.

accountability

assistance

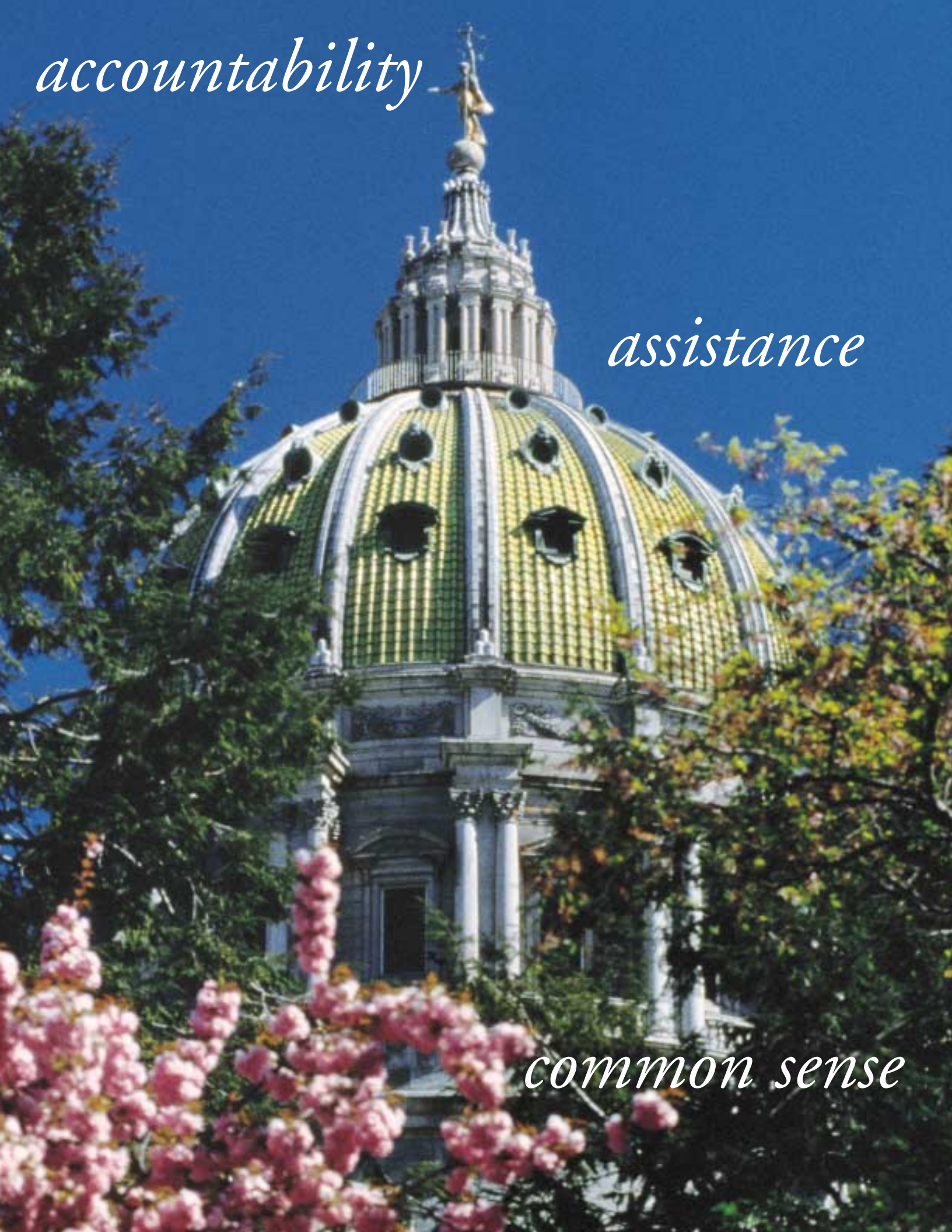
common sense



accountability

assistance

common sense



Storage Tank Cleanups

*Since the inception of Act 2,
2,264 cleanups have been completed.*

Storage tank cleanups conducted pursuant to the Storage Tank and Spill Prevention Act (Act 32 of 1989, as amended) that meet one or more of the standards under Act 2 are considered Act 2 cleanups. Parties who take corrective action under Act 32 and can demonstrate attainment of one of the Act 2 standards will be afforded liability protection.

Storage tank cleanups are a big part of DEP's remediation efforts. From the small corner gas station to large aboveground tank complexes at refineries, tank cleanups cover a large environmental spectrum. Although most tanks are covered under the Corrective Action Process regulations, Act 2 standards apply to these cleanups as well.

1998 Deadline Compliance

Owners of underground storage tanks (USTs) were required to upgrade or replace their tanks to meet new performance standards or close by December 22, 1998. The new performance standards are designed to ensure that releases caused by corrosion, spilling or overfilling do not occur.

DEP's Storage Tank Program conducted extensive pre-1998 compliance activities including mass mailings to tank owners, newspaper and trade journal articles, a mass media announcement and legislative meetings. These efforts resulted in an 80.4 percent confirmed compliance rate with the 1998 upgrade requirements.

Determining compliance can be difficult as there is still insufficient information on thousands of USTs. However, it is believed that the vast majority of these tanks are either compliant or have closed. Tank owners found to be in non-compliance will be instructed by DEP to immediately cease operation, empty the tanks within five days and enter into a status of temporary or permanent closure. If the owner complies with this request, DEP will offer a consent assessment of civil penalty for the past violation of operating the tanks from the December 1998 deadline to time of closure. Non-compliance with this request will result in the department withdrawing the

offer of a consent assessment and pursuing appropriate enforcement actions.

The mandate for new tank performance standards decreased the regulated UST population by about two-thirds over the last ten years.

Owners of six or fewer USTs contemplating closure may apply to DEP, under the Pollution Prevention Program (more commonly known as "Pump and Plug"), for reimbursement of a portion of the costs associated with the pumping and cleaning of the tanks. For more information, call DEP toll-free at (800) 42T-ANKS.



An example of the type of storage tank removed from properties across Pennsylvania.

For tank owners who have not upgraded or replaced their tanks and are deciding whether to stay in business or not, loans continue to be available through the Department of Community and Economic Development (DCED). For more information, call DCED toll-free at (800) 379-7448.

Storage Tank Cleanups

USTIF Claims Up Significantly

Not surprisingly, with all of the activity to upgrade, replace and close USTs, tank owners are discovering that they have had releases. As a result, 1999 claims being made to the Underground Storage Tank Indemnification Fund (USTIF) are up 65 percent over claims received during the same timeframe in 1998. In fact, over 300 claims were received so far this year — the most received during the same timeframe of any year since the inception of USTIF in February 1994.

The purpose of USTIF is to make claim payments (corrective action and third-party liability) to the tank owners who had releases. Upon discovering a release, tank owners are urged to immediately contact USTIF's Claims Unit by calling (717) 787-0763.

Responsible Party Cleanups

Since August 1989, when the Storage Tank and Spill Prevention Act became effective, the department has tracked the status of 11,738 regulated storage tank release sites. The vast majority of these sites involve leaks from underground petroleum storage tanks. However, this number also includes releases from aboveground storage tanks (ASTs) and underground tanks containing chemicals. The Storage Tank and Spill Prevention Act requires that owners and operators of these tanks address these releases, while the corrective action regulations establish the administrative process for conducting the cleanups. The Act 2 standards apply to storage tank cleanups.

Since the inception of Act 2, 2,264 cleanups have been completed, resulting in the issuance of either a no further action or liability protection letter to the responsible party. This year, 1,931 sites were completed which represents a 12 percent increase over the number completed last year.

Publicly Funded Cleanups

While nearly all storage tank cleanups are termed "responsible party" cleanups, situations sometimes arise where DEP or the U.S. Environmental Protection Agency (EPA) must become involved. From July 1998 through June 1999, 17 state- and federally-led



A cleanup team member prepares a storage tank for removal.

actions were either continued, initiated or completed. At these release sites, corrective action activities ranged from the operation and maintenance of groundwater remediation systems to providing bottled water to users. Funding for these projects is provided by the state USTIF. As a result of a January 1998 amendment (Act 13 of 1998) to the Storage Tank and Spill Prevention Act, the department receives a maximum of \$5.5 million annually from the USTIF to cover costs for corrective action activities at regulated UST release sites.

The following are some of the more significant state- and federally-led actions conducted during the past year. As specified, DEP will seek reimbursement from the Oil Spill Liability Trust Fund (OSLTF) for some of the sites. The OSLTF is administered by the U.S. Coast Guard. For a site to be eligible for OSLTF reimbursement, a discharge of oil or the substantial threat of discharge of oil into the navigable waterways of the United States must be demonstrated. The sites and their activities are listed by county and region.

Allegheny County — Ray's Citgo Southwest Region

On October 24, 1998, DEP was notified that local fire departments responded to complaints of gasoline odors in residences and sewers. Consequently, a number of residents were evacuated. Product was observed seeping into Girty's Run. DEP investigated the nearest gasoline station (Ray Platt's Citgo) and



found that two of the USTs had failed a tightness test on October 21, 1998. Because the station and tank owner did not respond appropriately to the emergency situation, the department issued an emergency contract to excavate the leaking USTs, abate the gasoline odors in the two residences and stop the gasoline seeping into the stream. After DEP abated the emergency conditions, the department undertook actions to complete the cleanup resulting from the owner and operator's unwillingness to cooperate. To date, DEP has conducted the following activities at this site:

- ◆ Excavation and removal of five USTs and surrounding contaminated soil.
- ◆ Installation of groundwater and vapor recovery trenches to abate odors and stop the discharge of petroleum to the stream.
- ◆ Construction of a water treatment plant for water recovered from the trench.
- ◆ Performance of a soil gas survey to determine additional monitoring and recovery points.
- ◆ Restoration of the lawns of the affected properties.

Additional work is planned to determine the extent of the release and whether further site remediation is required. Contact Mike Hartley, DEP, (412) 442-4085.

Crawford County — Frenchtown General Store Northwest Region

DEP applied Act 13 funding to remove two 2,000-gallon gasoline tanks and associated piping in November and December 1998. The department determined that these tanks were the source of historic contamination in off-site water supply wells. Extensive soil contamination overlaying bedrock was encountered during the tank removals. A total of 251 tons of impacted soil was excavated and removed to a permitted landfill. Confirmatory soil samples were collected in the excavation before it was backfilled. Statewide health standards were exceeded. Four monitoring wells were then constructed into bedrock and groundwater was sampled. The monitoring well closest to the tank excavation exceeds the statewide health standards, and the upgradient and downgradient wells were all non-

Storage Tank Cleanups

detect for gasoline constituents. The cost of the project to date is \$85,599. The next step for this project is to consider design of a Remedial Action Plan (RAP). Contact Jack Ashton, DEP, (814) 332-6648.

Luzerne County — Lehman Sunoco Northeast Region

Over the last year, the department has supported the operation and maintenance requirements of the groundwater remediation system installed by EPA. DEP is in the process of procuring new hardware for the groundwater remediation system to allow for longer-term site remedial activities. This equipment will be purchased through the use of Oil Spill Liability Trust Fund (OSLTF) monies. The original, portable system was brought in as an interim response to the incident. Because site investigative work indicated that the contamination was more widespread than originally expected, the department decided to redesign the system based on the newly acquired information. Contact Robert Gadinski, DEP, (570) 826-2398.

Luzerne County — Tranguch Tire Northeast Region

EPA recently completed its site investigation, which included determining the involvement of other responsible parties in this project. Meetings were held with the other contributors to apprise them of proposed EPA actions and their obligations under the federal Oil Pollution Act. A remedial design was produced by the U.S. Army Corps of Engineers (USACE) and provided to the USACE Construction Branch in Omaha, Nebraska, which is responsible for coordinating construction activities. Currently, a vapor extraction system is being contemplated for the site with individual recovery wells for the 22nd Street and athletic field areas. Field trenching, including installation of in-ground piping and power connecting all recovery points, will be conducted so that the installation of a pump-and-treat groundwater remediation system can be employed, if necessary. The start-up of this phase of the remedial effort was scheduled for summer of 1999. Contact Robert Gadinski, DEP, (570) 826-2398.

Storage Tank Cleanups

Montgomery County — Blue Bell South Southeast Region

In the spring of 1998, a UST system at the Blue Bell Gulf facility released 10,000-15,000 gallons of gasoline into the soil and groundwater. The release was detected in May 1998, but the tank owner failed to act until early July 1998 and only after DEP ordered the cleanup. The tank owner then filed a claim with USTIF, which provided the initial \$1 million to cover the cost of cleanup. The gasoline affected several private drinking water and surface water sources. All but one of the private drinking water sources was hooked up to a public water supply. The other remains on a filter system. The groundwater contamination was found more than 200 feet below the surface. Several recovery systems were installed around the area including free product removal units, stripper units and soil vapor extraction systems. In addition, more than 70 wells were installed to assist in the development of the site characterization report. USTIF funding available to the owner was exhausted on January 5, 1999, and the owner stopped all remedial actions. The department anticipated this problem and, with the help of Senator Holl and Representative Gladeck, was able to secure Act 13 funding to continue with the necessary corrective actions. While the cleanup will take several years to complete, the site characterization was scheduled for completion in summer 1999. Contact Tom Canigiani, DEP, (610) 832-5926.

Northampton County — Hokendauqua Creek Northeast Region

Since 1987, gasoline has seeped into the Hokendauqua Creek, located in Northampton Borough. Although potential responsible parties were identified relative to this seep, it has been very difficult to locate the source areas. In 1997, EPA accessed OSLTFs to assist DEP in locating the sources of the seep and in characterizing and mitigating this problem.

In September 1998, step and constant pumping tests were conducted to calculate the aquifer characteristics in order to develop a Remedial Action Plan (RAP). The finalized RAP is designed to enhance the indigenous microbial life in the subsurface environment through the use of an oxygen release compound (ORC).

Quarterly monitoring has taken place throughout the past year with a March 1999 event establishing the baseline for the ORC treatment. The final RAP awaits implementation. Contact Thomas Hartnett, DEP, (570) 826-5548.

Schuylkill County — Hartranft Texaco Northeast Region

In February 1998, DEP entered into a settlement agreement with the U.S. Coast Guard for \$819,881 to recover costs incurred in cleaning up gasoline contamination from leaking USTs at this former service station in Hometown, Rush Township. The Coast Guard reimbursed DEP for its removal costs with funds from the OSLTF. DEP assumed the operation and maintenance requirements of the \$1.6-million groundwater remediation system installed by EPA, using a design developed by DEP. Groundwater samples are taken on a monthly basis to gauge the effectiveness of this remedial system, which has been operating efficiently. Remedial system operation and maintenance is expected to continue for several years under DEP oversight, in cooperation with EPA and the Coast Guard, using OSLTF money. Contact Robert Gadinski, DEP, (570) 826-2398.

Schuylkill County — Jack Rich BP Northeast Region

In July 1998, a petroleum sheen was reported on Little Mahanoy Creek in Frackville Borough. A canvassing of potential responsible parties (PRPs) indicated that a release of approximately 4,200 gallons of gasoline occurred from a UST at the Jack Rich BP facility. The installation of field-slotted 48-inch piping in the former tank pit and at an adjacent property resulted in the recovery of 2,700 gallons of free product. This was accomplished as a DEP emergency response with Act 13 monies. A site characterization was completed and a remedial design was tentatively approved by the department. The investigation is continuing to determine whether other PRPs in the area are contributing to the contamination. It is anticipated that a remedial system will be in place during the summer of 1999. The owner's corrective action costs are being paid by USTIF. Contact Robert Gadinski, DEP, (570) 826-2398.

Multi-Site Cleanup Agreements

A Common Sense Solution to Multiple Cleanups

Various properties throughout the Commonwealth are owned by a single operator and have environmental contaminants that may require assessment and cleanup. Regardless of whether the current owner contributed to these conditions, the properties may present their owner (and potential tenants, developers and purchasers) with a liability of unknown magnitude. Furthermore, multiple sites present owners with a proportionally bigger problem because, if regulated substances are present, a cleanup may trigger large expenditures of non-budgeted capital.

Much like a strategic business plan, Multi-Site Agreements (MSAs) help solve this dilemma by enabling companies or organizations with multiple contaminated sites to manage both cleanup and fiscal needs through a voluntary partnership with DEP. By scheduling the cleanups over a period of time, MSAs help companies direct resources to solve the most significant environmental problems while accommodating their revenue and resource allocation process. MSAs ensure environmental progress while providing companies with a large measure of control over year-to-year costs. The term of these agreements is flexible. In fact, past agreements have ranged from 10 to 15 years in duration.

MSAs help provide a cleaner, safer environment for Pennsylvania residents while creating economic and job opportunities. Currently, more than 1,000 sites are slated as part of a 12-year remediation planning process. Existing MSAs will lead to the investigation and cleanup of more than 203 sites in 41 counties.



DEP Secretary James Seif announces the nation's first cooperative military Multi-Site Agreement.

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

On July 17, 1998, DEP and representatives from the U.S. Army, Air Force, Navy and Defense Logistics Agency signed the nation's first cooperative military MSA at Willow Grove Naval Air Station in Montgomery County. These three agreements address more than 1,260 sites in 26 counties. Over one thousand of these sites are included in the Department of Defense (DoD) MSA. The MSA is such a powerful environmental management tool that DoD has adopted the process as one of its top 10 priorities for implementation nationwide.

“With our multi-year plan, we can better forecast resource requirements and cost-effectively reduce the environmental liability associated with our sites.”

— Senior Environmental Engineer Craig Shamory,
Pennsylvania Power & Light Company

Multi-Site Cleanup Agreements

Deputy Secretary Denise Chamberlain and Bureau of Land Recycling and Waste Management Director Jim Snyder were the primary drafters and negotiators of this unprecedented agreement.

Initially, 53 sites were identified and another 364 were to be addressed under other military programs. A remaining 659 sites, considered resolved by the Department of Defense (DoD), will be studied by DEP to ensure that further evaluation is not necessary.

To assist DoD and its consultants, the Land Recycling staff conducted a workshop in December 1998 at the Corps of Engineers offices in Baltimore, Maryland. The Act 2 workshop was targeted at DoD sites and focused on situations specific to the military cleanups.



Deputy Secretary Denise Chamberlain, one of the primary drafters of the agreement, addresses participants at the DoD signing ceremony.

An example of the flexibility of the DoD agreement is the Marine Corps Training Center site in Northampton County. This site was scheduled to be remediated in 2003, but DEP was informed that a tire wholesaler wanted to move onto the site and open a new business. DEP negotiated with DoD and the project is currently underway.



Left, L to R: Scott Edwards, DoD; Karla Perri, DoD; Dan Benton, Air Force; Jan Reitman, DLA; Richard Newsome, Army; Elsie Munsell, Navy; Terry Yonkers, Air Force and DEP Secretary Seif.

DEP and military representatives celebrate the historic signing of the innovative Multi-Site Agreement.



Multi-Site Cleanup Agreements

Penn Fuel Gas

The sites in this agreement are former manufactured gas plants, where coal was once processed to produce gas. Penn Fuel Gas Inc. and North Penn Gas Company agreed to investigate and, where necessary, clean up 20 industrial sites and close 340 abandoned natural gas wells in 15 counties. Since 1996, 19 gas plants have been assessed and 94 wells have been plugged.

Pennsylvania Power & Light

Since its inception in 1995, this voluntary agreement has worked well for both Pennsylvania Power & Light (PP&L) and the Commonwealth. Over 178 sites will be assessed and, where necessary, remediated. As a result of this agreement, PP&L has been able to accelerate assessment and cleanup

schedules year after year at a diverse collection of sites including power poles, electrical substations, manufactured gas plants and formerly used power generating stations. To date, 65 of the 178 sites have been remediated. Senior PP&L Environmental Engineer Craig Shamory said of the agreement, "With our multi-year plan, we can better forecast resource requirements and cost-effectively reduce the environmental liability associated with our sites." PP&L acquired Penn Fuel Gas in 1997.

Future Multi-Site Agreements

DEP continues to solicit voluntary agreements with people doing business in Pennsylvania who can benefit from a cooperative relationship with DEP based on a predictable, results-oriented process.

Penn Fuel Gas Inc. signed a Multi-Site Agreement to address 24 of its sites in Pennsylvania. Cleanup of this site in Mifflin County was significant because it required dismantling two large telescopic gas holders that were filled with coal tar and water. The site is now used as a training facility for leak detection and other related topics.



Buyer/Seller Agreements

Liability Relief for Buyers and Sellers

Liability is a pertinent concern for businesses considering reusing former commercial or industrial properties where site contamination occurred as a result of a previous owner's activities. Buyer/Seller Agreements provide a solution to this liability issue.

A Buyer/Seller Agreement is an option for a prospective buyer who had no role in the site's contamination and where the seller agrees to be responsible for the site's cleanup. Under the conditions of the agreement, the seller receives liability relief under the Land Recycling Program after remediating the site to Act 2 standards. This relief transfers to the buyer thereby freeing the new landowner from liability for any previous contamination of the site. DEP facilitates Buyer/Seller Agreements and usually serves as a third party in the agreement.

In the past year, nine Buyer/Seller Agreements were finalized under the Land Recycling Program. A total of 47 Buyer/Seller Agreements have been completed since the program's inception.

Buyer/Seller Agreements have many benefits for site sellers, buyers and lenders. With this agreement, a property can be transferred to the buyer prior to

completion of remediation. Environmental assessment reports are incorporated so the parties clearly understand the nature and extent of the contamination. The seller outlines the remediation plan for meeting one or more of the cleanup standards under Act 2, and deadlines are established for submitting the Notice of Intent to Remediate, intermediate milestones and the final report describing completion of the remediation.

Lenders are receptive to terms that offer more certainty to the transaction. In fact, during the last few years, insurance companies have begun offering policies as a risk management tool for land recycling projects. These policies offer broad categories of insurance coverage for property owners. Assuring cleanup costs with cleanup cost-cap or stop-loss policies is effective when project funds need to be carefully controlled. Legal defense and re-opener or regulatory action coverage can also assist in providing the necessary assurance to the involved parties. The department has participated in land recycling projects that have utilized insurance policies as part of the transaction.



Hazardous Sites Cleanup Program

The Hazardous Sites Cleanup Act (HSCA) provides the department with the authority and funding to conduct site investigations and cleanup actions at sites where hazardous substances have been released. HSCA also provides the department with enforcement authorities to require people responsible for releases of hazardous substances to conduct cleanup actions or to repay funds that the department spends to conduct a HSCA cleanup.

Under HSCA provisions, cleanup actions are not conducted at active facilities with financially viable owners. Most HSCA cleanup actions are conducted at abandoned industrial facilities where the owner is bankrupt or otherwise financially unable to conduct the cleanup. The cleanup of these abandoned sites facilitates the reuse of these properties under the Land Recycling Program.

The HSCA program also coordinates with EPA for activities under the federal Superfund program. Under this program, the state is required to pay 10 percent of the cleanup costs at federally funded Superfund sites. From July 1998 through June 1999, the department entered into contracts with EPA to pay over \$5.3 million in state-matching funds for cleanups at three Superfund sites. These state-matching funds will leverage over \$50 million in federal funds for response actions in the Commonwealth.



Remediation workers overpack a drum for cleanup purposes.

From July 1998 through June 1999, the department initiated HSCA response actions at the following 20 sites:

Adams County — Hanover Scrap Quarry Southcentral Region

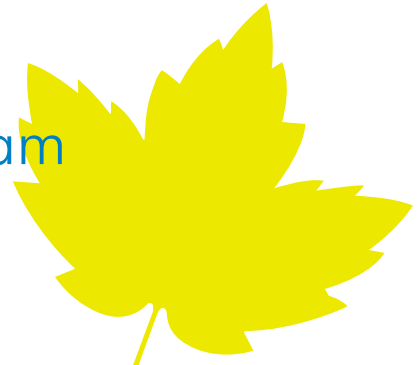
The five-acre Hanover Scrap Quarry site is located along Narrow Drive near the village of Mount Pleasant in Conewago Township. The site, which is situated in a rural area, operated as a quarry in the 1940s, then as an unregulated industrial and municipal waste dump until the 1970s. The one-acre quarry was completely filled and the groundwater in the area of the site was contaminated. The owner of the site extended a public water line to the area and nine homes with contaminated wells were connected to the public water. In 1992, the owner, under a consent decree and order with the department, removed 200 drums from the surface and arranged for their proper disposal.

The department found that soil samples over a two-acre area surrounding the quarry were contaminated with lead. The department's response action in April and May 1999 included the removal of 585 tons of lead-contaminated soil at a cost of about \$230,000.

Allegheny County — Mattes Sandblasting Company Southwest Region

The Mattes Sandblasting Company site, located in the Borough of Braddock, consists of a concrete building located on one-half acre. The facility — an abandoned workshop and storage area for a bridge painting company — contains leaking containers of assorted adhesives, thinners (methyl ethyl ketone and toluene), vinyl and epoxy coatings, paints, varnishes, stains (oil-base enamel) and other flammable and hazardous materials. Outside the building are 43 55-gallon drums, which contain unknown materials, in various states of deterioration. The borough's fire department referred the site to the department when it discovered that the contents of the containers had spilled onto the sidewalk.

Hazardous Sites Cleanup Program



DEP is presently conducting a response to remove 4,000 gallons of abandoned hazardous materials from the site at an estimated cost of \$110,000.

Allegheny County — Mays/Messner Southwest Region

The Mays/Messner site, located in North Fayette Township, consists of one-half acre on a portion of the 65-acre Messner property. In the late 1970s and early 1980s, Mays Corporation leased the property and used it as part of its industrial and hazardous waste hauling business. The site contains four roll-off boxes and one tank from the operations of Mays Corporation. The roll-off boxes, which are leaking, contain mixed waste and there is visible staining of the soils in the area. Sampling of the waste and site soils documented the presence of volatile and semi-volatile organic compounds. In addition, the tank contains liquid organic waste. These wastes represent both a health risk from exposure as well as a possible explosion risk.

DEP began an interim response in June 1999. The waste in the roll-offs and tank will be characterized, removed and disposed of. The visibly contaminated site soils will be excavated and disposed of. This response action was estimated for completion by July 15, 1999, at an approximate cost of \$490,000.

Beaver County — H.K. Porter Drum Dump Southwest Region

The H.K. Porter site in Hopewell Township is a 17.5-acre site that was used as a non-permitted drum and sludge dump located on a steep-sided, wooded ravine. H.K. Porter dumped 35,000-50,000 cubic yards of waste over a 30-year period. This waste contains lead and PCBs and poses health and environmental risks.

DEP began the remedial response in July 1998. The response action includes the excavation and off-site disposal of the solid wastes, removal of any soil or sediments exceeding the cleanup standards, collection and treatment of site runoff and regrading and revegetating the site. This remedial response is projected to cost \$4.5 million.

Bedford County — F.E. Cooper Southcentral Region

The F.E. Cooper site lies along the Raystown Branch of the Juniata River near the town of Hopewell in Broad Top Township. This property totals 85 acres, but the contaminated site comprises about one acre of that area. A creosote processing facility operated from 1960 until 1994. Creosote waste was disposed of in an unlined lagoon and operations at the plant caused significant contamination in the soil and groundwater at the site.

The property owner was financially unable to conduct the necessary response actions at the site. Based on a cost-recovery enforcement action conducted by DEP, the entire property was transferred to the Western Pennsylvania Conservancy who will in turn convey the property to the Pennsylvania Game Commission after the response action is completed. In accordance with Act 3, the Conservancy is exempt from any legal liability. The department selected a response action for the site that includes treatment of the contaminated soils using a thermal desorption process. Once the soil is cleaned, it will be placed on the site. The contaminated structures will be demolished and removed from the site. Initiated in October 1998, the response will take two years to complete at a projected cost of \$7 million.

Bucks County — Furlong Manufacturing Southeast Region

The Furlong Manufacturing Company (FMC) site is located in Doylestown and Buckingham townships. The 1.2-acre property is the former location of the lamp manufacturing operation known as FMC. From 1964 until 1980, FMC operated as a retail lamp store. In 1986, the lamp store and stock were sold and the property leased to the current commercial facility known as Furlong Lamp and Lighting (FL&L).

Rinse or cooling water, which was contaminated with chlorinated solvents used in FMC's manufacturing process, was discharged to the ground outside. Three separate investigations, conducted between 1979 and 1988, in addition to the department's more recent groundwater investigation completed in April 1997, established and confirmed that the soils

Hazardous Sites Cleanup Program

on site, as well as the groundwater on and off site, were contaminated with the solvents. The department's extensive groundwater investigation involved sampling of several private wells. This investigation established the extent of the plume and the specific wells that have been affected.

DEP identified five contaminated private wells, including the well supplying the Lamp and Lighting store on the property. DEP assigned a contractor to install whole-house carbon filters on the wells. Confirmation sampling established that the filters were removing the organic contamination. Completed in July 1998, this response action cost \$106,000.

The department performed an investigation of the on-site soils to determine whether a continuing source of groundwater contamination still existed on site. The assigned contractor completed the soil investigation in March 1999 and submitted its draft Interim Soils Investigation Report in June 1999. Further work will involve the installation of new groundwater monitoring wells and the removal of contaminated soils located next to the FL&L store.

Bucks County — Quakertown Foundry Southeast Region

The 20-acre Quakertown Foundry site, located in Quakertown Borough and Richland Township, operated as a foundry from 1920 until the mid-1980s. Waste slag, baghouse dust and casting sands were disposed of on site. The primary contaminants are lead and other heavy metals.

In 1992, the department erected a fence around the site, which is currently owned by the Borough of Quakertown, to prevent unauthorized access. Integrated Technical Services is performing the remedial construction activities, which include removing the waste and contaminated soil from the site. Remedial construction activities began in October 1998 and should be completed in September 1999 at an estimated cost of \$2.8 million.

Butler County — R.O. Murphy, Jr. Northwest Region

The R.O. Murphy, Jr. site is located five miles east of Eau Claire in Allegheny Township. The property is currently being used to store heavy equipment used by Langler Enterprises, a company that purchases and sells government surplus equipment.

Various waste materials, including 200 deteriorating containers and drums of various sizes, were abandoned at the site. Stained soil was evident beneath many of the drums. Several drums had evidence of overflow leakage from the top onto the ground. Other drums were partially buried in the ground and burn areas were evident in some.

A warm-water fishery, Fowler Run, flows through the site. Due to the release of drum contents into Fowler Run, the department conducted a response in the fall of 1998. The response activities included the over-packing and staging of deteriorated drums, removal and staging of contaminated soils and the removal, cleaning and disposal of underground fuel tanks. The cost estimate for this response action was \$350,000. Completion of transportation and disposal of the waste off site occurred in late May and early June 1999.

Crawford County — Schiller Northwest Region

The 147-acre Schiller site is located in Richmond Township. The Presque Isle Chemical Company recycled solvents and disposed of electroplating waste, solvent recycling waste and other wastes at the site. The department conducted an interim response at the site in 1993 and removed 300 drums, as well as storage tanks, chemical waste piles and a vat of sludge. A remedial investigation followed the interim response and revealed that site soil, groundwater (including residential wells), surface water and sediments were contaminated with hazardous substances.

After completing a feasibility study, the department chose a remedial response consisting of the removal and off-site disposal of waste piles, debris from the former Presque Isle Chemical Barn and contaminated

Hazardous Sites Cleanup Program



DEP interns join in recognizing Angel's Touch Paints' contribution to the Northeast Region. L to R: Jewel Saxton, Pennsylvania State University; Chrystal Price, Indiana University of Pennsylvania and Paul Bechtel, University of Scranton.

soils. The department's proposed response also includes monitoring groundwater, providing home treatment systems for any residential well contaminated by site groundwater and remediating subsurface soils contaminated with volatile organic compounds.

The department awarded a contract for \$833,000 and the contractor mobilized to the site in April 1999. A temporary access road has been installed, site trailers have been placed, a decontamination pad has been constructed and some staging of debris to be removed off site has occurred.

Jefferson County — Jackson Ceramix Northwest Region

The Jackson Ceramix site is located on the eastern side of Pennsylvania State Route 950, at the eastern edge of Falls Creek Borough in Jefferson and Clearfield counties. The site is comprised of a 14-acre property on which vitrified china manufacturing operations occurred, as well as adjacent properties containing hazardous substances that have migrated from the manufacturing property. The property has been vacant since the Jackson Ceramix Company filed for bankruptcy in 1985. In October 1989, a fire destroyed approximately 75 percent of the manufacturing buildings on the site.

Two major wastes were generated during the china manufacturing process. The principal waste type, which included wastewater and sludge generated from the various manufacturing processes, was directed through a drainage ditch adjacent to the plant into an unlined lagoon. Sludge deposits accumulated and subsequently overflowed into an adjacent wetland via an established watercourse. Approximately 12 to 15 acres of the wetland were contaminated with this sludge in depths from 9 to 12 inches. The second major waste type included scrap china and pottery wastes, of which large quantities were disposed on the property during manufacturing operations.

A HSCA response began in December 1998 to remove sludge remaining in the drainage ditch and lagoon area; to drain and backfill the sumps, pits and septic tanks and to remove wastes, including ceramic manufacturing process materials, construction debris, asbestos-containing wastes and other waste materials. In April 1999, the department's contractor began the preparatory work for placement of a residual waste cap over the china waste located throughout the site. This prep work included, but was not limited to, completion of sludge and waste stabilization, clearing and grubbing, site surveying, asbestos removal, building and structure demolition and site grading. These response actions will cost about \$3 million and were scheduled to be completed by mid-August 1999. Another department contractor is currently completing the Draft Feasibility Study for the wetlands and one for the groundwater/surface water, if deemed necessary, following review of the latest sample results.

Lehigh County — Allentown Paint Northeast Region

From the 1930s until 1993, the Allentown Paint site, which consists of a two-story warehouse, several storage buildings and a boiler house located on 3.8 acres of land, was used as a paint manufacturing plant. When the plant closed, a large volume of wastes was abandoned at the site, including liquid and solidified waste paints, waste solvent and solvent sludge, contaminated wash water from the cleaning of production vessels, lab chemicals and other waste materials such as dry pigments and additives.

Hazardous Sites Cleanup Program

In November 1998, the department initiated a response to remove the waste from the site for disposal at approved treatment and disposal facilities. More than 1,000 drums of paint and lab wastes, 20,000 gallons of bulk paint-related wastes and solvents and 150 cubic yards of small container paint and waste products were removed from the site. The cleanup was completed in March 1999 and cost \$755,000.

A section of this formerly abandoned industrial property is now being used by Angel's Touch Paints, a latex paint recycling company. The company accepts and recycles latex paint that is collected through the household hazardous waste collection program operated by Lehigh, Northampton, Monroe and Schuylkill counties. The company was recognized with the 1999 Waste Watchers Award in the Recycled Products Manufacturer category. In addition, Angel's Touch was awarded a DEP recycling grant of \$165,000 for leasing space at the Allentown Paint site.

Lehigh County — Concept Sciences, Inc. Northeast Region

The Concept Sciences, Inc. (CSI) site is located in the Lehigh Valley Industrial Park III in Hanover Township. CSI operated a hydroxylamine processing facility.

As part of its operation, CSI stored materials, including but not limited to ammonium thiosulfate, propylene glycol, hydroxylamine, hydroxylamine sulfate, potassium hydroxide and potassium sulfate. On February 19, 1999, an explosion at the site killed five people. As a result of the explosion, chemicals from the CSI portion of the building were released into the environment. The chemicals ran into floor drains and flowed to pump stations in Hanover Township and subsequently to the Catasauqua Wastewater Treatment Facility, where the pH measured 13.04. Field measurements of the runoff on the night of the explosion indicated pH values of greater than 12.5. Runoff from the site ran into a sinkhole at the rear of the property.

The department mobilized an emergency response contractor on February 27, 1999, to collect and transport the contaminated runoff from the site to a

disposal facility. The department initiated a HSCA response action at the site on March 4, 1999. The response included disposal of chemicals in the tanks, drums and other containers; maintenance of security; decontamination and removal of debris; excavation and removal of contaminated soil and demolition of portions of the building necessary to facilitate the removal of the on-site chemicals. The response action was completed on May 14, 1999, and cost approximately \$600,000.

The following materials were removed from the site: 7,600 gallons of hydroxylamine solution, 320 tons of residual debris, 45 tons of scrap metal (salvaged), 200,000 gallons of contaminated runoff water, four cubic yards of hydroxylamine sulfate, three cubic yards of potassium sulfate, two drums of multi-heat transfer fluid, four drums of lab packs (lead-acid batteries, ammonium thiosulfate, etc.), five drums of ion-exchange resin and one drum of biohazard waste.

Luzerne County — High Street Northeast Region

The site, located on High Street in Wilkes-Barre, was a small auto repair area and junkyard that drained automotive fluids onto the ground and soaked up the fluids with coal and wood ash. This activity created a large pile of dense ash on the site over the years. The ash contained leachable lead levels, which made the waste hazardous. The department conducted a response action to remove the lead waste and contaminated soil. The response cost \$55,000 and was completed in four days.

McKean County — Allegheny Electronic Chemicals Co. Northwest Region

The Allegheny Electronic Chemicals Co. site is located in Lewis Run Borough. From 1934 to 1958, this eight-acre site was utilized for gasoline production from natural gas. From 1958 to 1961, Allegheny Electronic Chemicals Co. used the site for the manufacturing of semiconductors, a process that results in the production of a zinc chloride waste. Department investigations found PCBs, lead and zinc contamination in site soils, sediments and surface water. Based

Hazardous Sites Cleanup Program

on department investigations, seven small areas of the site were identified for further investigation and/or cleanup.

The department conducted an enforcement action that resulted in a consent order and agreement with Kerr-McGee Chemical LLC, one of the site's responsible parties. Kerr-McGee developed a work plan for the site that called for a two-phased approach to cleanup of the site. The first phase included further investigation and sampling and was completed in May 1998. Based on sampling results from the first phase, Kerr-McGee developed a Remediation Plan for the site, which was approved by the department. The second phase was scheduled to start in mid-summer 1999.

Mifflin County — Naginey Quarry Southcentral Region

The Naginey site is located in the village of Naginey along the south side of Naginey Road in Armagh Township. Located in a rural area, the site is bordered on the south and east by agricultural lands, on the west by residential homes and on the north by a recycling facility and limestone quarry. From 1978 to 1980, the Independent Trading Corporation (ITC) operated a battery breaking facility at the site. ITC went bankrupt and abandoned waste on the site, including over 120 drums of foundry sand and large piles of battery casings.

The department conducted a response in July 1998. The drums of waste were removed from the site and battery waste piles were excavated and transported off site for treatment and disposal as hazardous waste. The response action cost \$260,000.

Montgomery County — Sigma Electroplating Southeast Region

The Sigma Electroplating site, located on Skippack Pike (Route 73) in Whitpain Township, was operated as an electroplating business from 1976 until 1985, when the site was essentially abandoned. Numerous process-related chemicals and wastes were left in the building. Over the years, the containers severely deteriorated, resulting in the release of hazardous substances to the environment.

The department conducted a response in 1995 to remove the waste materials from the site. This was followed by additional site studies to determine the extent of contamination in the soil at the site. Based on these studies, it was determined that several small areas of soil were contaminated with heavy metals and solvents. Although the groundwater on site has shown low levels of contamination, none of the private residential wells near the property has ever shown any site-related contamination.

In December 1998, the department conducted a second response, at a cost of \$100,000, to remove the contaminated soils. The department will continue to monitor the on-site wells quarterly, and the local residential wells will be sampled annually.

Montgomery County — Twin Peaks Southeast Region

The Twin Peaks site is located along West County Line Road in Horsham Township. The site consists of five drinking water wells supplying residential and commercial properties located on West County Line Road that are contaminated with chlorinated solvents.

A grant for \$510,000 was issued to Horsham Township in May 1998 for the construction of a waterline extension, in order to provide municipal water to the residents and businesses. No source of the contamination has been identified to date. The municipality completed the waterline main in October 1998. The township completed the work to install the lateral connections in June 1999.

Northampton County — American Fuel Harvestors (Demotech) Northeast Region

The site is an abandoned demolition waste processing facility located in a former slate quarry in East Bangor Borough. The facility operated under three owners from 1988 until 1997, during which time large piles of unprocessed waste, wood chips and processed fines accumulated. Since 1990, subsurface fires have developed at the site and persistently smoldered and flared up. The primary contaminants at the site are lead and other heavy metals, phenols, benzene, toluene and xylene.

Hazardous Sites Cleanup Program

The department initiated a response at the site in September 1998 that involved the excavation, placement and compaction of the wastes into the quarry. Other actions include extinguishing the fire, placing fire breaks, installing gas vents and covering the waste with an engineered cap. The cleanup project will cost approximately \$2.5 million.

Northampton County — Mangan Property Northeast Region

The Mangan Property site, owned by Patrick Mangan, is located along East Beersville Road in Moore Township. This site consists of a barn storage shed where pesticides were stored, as well as two parcels of property where pesticides were dumped onto the ground. The area near the pesticide disposal area includes an unnamed tributary to the Monacacy Creek. Residences in the area utilize individual wells for their water supply.

The pesticides, including herbicides and insecticides, were deposited in two general areas — one is located behind a pole barn in a wooded area and a second is located on a hillside field. The primary contaminants include the herbicide alachlor and the insecticides fonofos, lindane and toxaphene. The barn shed contains residue from the pesticides and the lower part of the wooden structure is contaminated.

A response was conducted in September 1998 under the authority of a search warrant and a HSCA administrative order. The department's contractor removed the visible waste materials and some contaminated soils during this initial response. In October 1998, the contractor demolished and removed the barn shed and additional contaminated soils under the shed and on the hillside property. Post-excavation sampling indicated that the hillside soils were still exceeding the statewide cleanup standards promulgated to protect groundwater. In December 1998, the contractor delineated the additional pesticide-contaminated soils using immunoassay field test kits for alachlor. The department planned to remove an additional 200 cubic yards of contaminated soils but the property owner denied



DEP's Tony Martinelli and Jeff Silar sample chemicals from abandoned drums.

access, so the work is postponed until a Court Order can be obtained. A hearing was held in Northampton County Court on March 16, 1999, on the Petition for Access to complete the cleanup, but the Court has not yet ruled on the matter. Additional soil sampling may be needed prior to the completion of the removal work given the delay. A stream survey and residential well sampling was planned to begin late summer 1999. The total cost for the response will be approximately \$200,000.

Key Sites Initiative

A Jumpstart for Local Communities

The Key Sites Initiative is a partnership between local economic development agencies, DCED and DEP to help revitalize vacant industrial sites and bring jobs to Pennsylvania's communities.

DEP realizes that local economic development agencies are equipped to target sites with the greatest potential for reuse in their own communities, while DEP has the tools to help assess sites and create work plans for cleanups. By joining forces, an innovative program has been forged.

The Key Sites Initiative uses state-funded contractors to conduct environmental site assessments and prepare work plans to encourage and facilitate the voluntary cleanup and reuse of abandoned industrial properties in prime locations. The initiative coordinates the use of a combination of resources provided by the state Hazardous Sites Cleanup Program (HSCP), the Land Recycling Program and local economic development agencies.

In 1998, DEP assigned contractors to assess eight properties across the Commonwealth, allowing DEP to streamline assessment procedures and to develop work plans that reflect each community's desire to reuse the properties.

During that time, DEP worked with economic development agencies to establish screening criteria to make sure the sites addressed by the program were those that would most benefit the community. Together, they established four main criteria, with the primary objective being to focus on sites where an economic boost was needed most. The four criteria are:

- ◆ Sites with an environmental threat;
- ◆ Sites where investors have expressed interest, but were concerned about unknown liabilities;
- ◆ Sites with a prospective occupant willing to share cost of cleanup and
- ◆ Sites under (or with the potential to be under) public ownership.

The Key Sites Initiative complements the Industrial Sites Reuse Program (ISRP) — a grant and low-interest loan program administered by DCED for municipal and local authorities, non-profit economic development agencies and similar organizations that want to conduct environmental assessments of industrial sites located in areas designated by DCED as distressed.

Communities that want to apply for Key Sites assistance can submit a Letter of Intent (LOI) to DCED requesting consideration as a Key Sites project. The following communities are already part of the program:

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 the removal of the most highly contaminated soil, drummed PCB waste and the incinerator building. At the end of the emergency action, EPA left the remaining scrap and debris, which was contaminated with PCBs, in the remaining building. The site was abandoned, thus burdening the local community.

DEP is conducting a response to remove the PCB-contaminated building, its contents and the remaining contaminated soils. This action was scheduled for completion in July 1999 at an estimated cost of \$600,000.

There is currently a sale agreement for the property between the property owner and Phoenix Land Recycling Company. The site will become a park-and-ride station for the Allegheny County Port Authority's East Busway.



Key Sites Initiative

Armstrong County — AMCO Southwest Region

This Key Site consists of a large industrial building and approximately 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, who operated a machine shop and foundry at the site for about six years, then filed for Chapter 7 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, there were large machine floor sumps containing cutting oils that were hazardous because of lead content. All of these hazardous substances posed a potential human health and environmental risk.

The department 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. Ford City is actively seeking a tenant for the property.

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 the department to facilitate the reuse of the property.

Waste slag and abandoned storage tanks are known to remain on site and groundwater below the site is reported to be contaminated with TCE. PCB-contaminated soils were identified and removed prior to DEP involvement.

The department initiated work on the property after the Redevelopment Authority acquired title in December 1998. The department has conducted the fieldwork for a baseline remedial investigation and will prepare a baseline environmental report (BER) for use by the Redevelopment Authority. The draft BER was submitted to the department in June 1999. The second round of groundwater sampling was performed in June 1999. Results are pending.

Erie County — Cohen/A-1 Auto Northwest Region

This Key Site comprises approximately 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. The department conducted an investigation of the site on behalf of the Greater Erie Industrial Development Corporation, which is interested in redeveloping in the area. The investigation was completed in the spring of 1999. A Phase II sampling event in summer 1999 was contingent on the findings noted in the investigation.

Erie County — Erie Resistor Northwest Region

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

Key Sites Initiative

Lehigh County — Bridgeworks Industrial Northeast Region

In the early 1900s, the Bridgeworks Industrial site, located in Allentown, served as a brick factory and a PP&L substation. Mack Trucks, Incorporated purchased the property in 1929 and used the five-acre parcel as an employee parking lot. In 1988, the site was purchased by the Allentown Economic Development Corporation (AEDC) 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 preliminary groundwater investigation, which was recently completed by an AEDC consultant.

A comprehensive assessment to identify remediation requirements was conducted at the site in March 1998. Work was conducted including 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 scheduled to be 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, the site was used by an electroplating company and then a mechanical contractor. 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. There was evidence of waste lagoons and contami-



A former textile manufacturing plant, Blue Ridge Winkler, Northampton County, will be demolished and remediated under the Key Sites Initiative.

nated soils. Solvent contamination is present in the groundwater at the site and in Macoby Creek downstream of the site. An underground storage tank (UST) also remains on site.

Two rounds of groundwater sampling have been completed since the department initiated the site investigation in January 1999. The draft baseline environmental report on this site was received in May 1999.

Northampton County — Blue Ridge Winkler Northeast Region

The Blue Ridge Winkler 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 approximately 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 report also identified suspect asbestos pipe insulation.

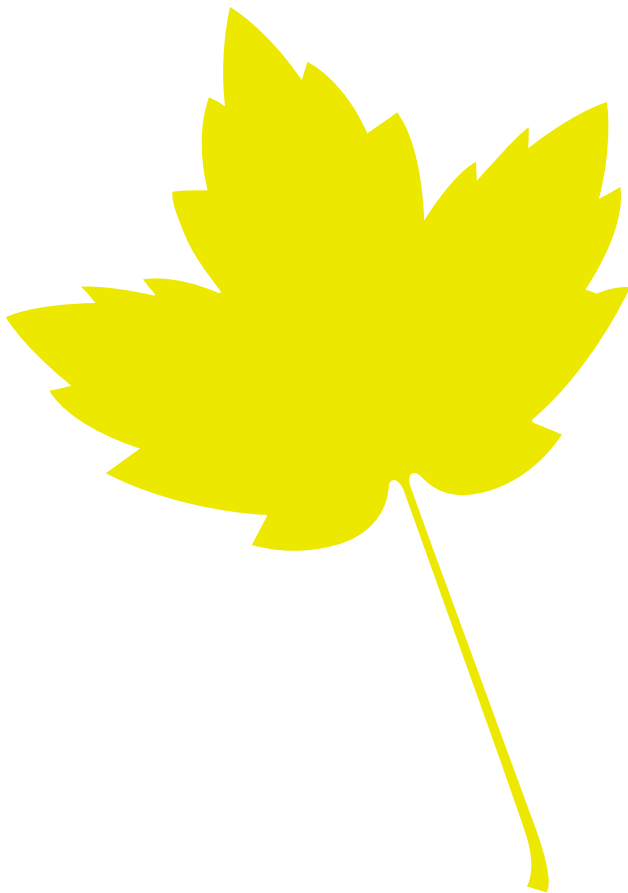
Key Sites Initiative

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 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 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 the department and BRW Realty will be negotiated.

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 where maintenance activities were conducted. A fire in 1987 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. One of the monitoring wells contains about one foot of oil and will need to be investigated further and potentially addressed. A Special Industrial Area consent decree will be negotiated for the site with the city of Easton.





growth

innovation

community

Completed Site Descriptions

Appendix 1

Listed below are descriptions of all sites completed in the past year, including information such as size, cleanup standard(s), contaminant(s) and contact information.

Allegheny County — Bakerstown Facility (Exxon Co. USA) Southwest Region

Located in Richland Township, this 26.4-acre property underwent remediation for soil contamination after 24 areas of concern were characterized. A total of 167 soil borings were drilled to find high total petroleum hydrocarbon (TPH) levels and an oily discharge. Odorous, stained soil was excavated and taken off site for disposal to remediate the site to meet the statewide health standard. The final report was approved December 8, 1998. Contact John Matviya, DEP, (412) 442-4091.

Allegheny County — Graphic Controls Corp. (Pittsburgh Facility) Southwest Region

Located in Wilmerding Borough, this facility, which once manufactured specialty papers, underwent remediation for both soil and groundwater. The contaminant of concern was toluene. A bioremediation system was installed to remediate the soil and groundwater to the statewide health standard. The final report was approved November 24, 1998. Contact John Matviya, DEP, (412) 442-4091.

Allegheny County — Ken Sabolovic Auto Service Station Southwest Region

Located on Perrysville Avenue and East Street in Pittsburgh, this 0.25-acre property was a Gulf Oil gasoline station before its conversion to an auto service station in 1976. It is believed that Gulf Oil removed several underground storage tanks (USTs) in 1976. Site assessment work was conducted to determine if contamination remained on site. Soils were tested for lead, as well as benzene, toluene, ethyl benzene and xylene (BTEX), and all results were well below the statewide health standard. The final report was approved June 15, 1998. The Pittsburgh Parking Authority plans to purchase and convert this property and an adjacent parcel into parking lots to serve neighborhood businesses. Contact John Matviya, DEP, (412) 442-4091.

Allegheny County — Papercraft Corp. Southwest Region

Located in O'Hara Township, this former manufacturer of gift-wrap and specialty papers underwent remediation for both soil and groundwater contamination. The contaminants of concern were volatile organic compounds (VOCs) that were discovered in the soil and groundwater. A soil vapor extraction system was installed to remediate the contaminated groundwater, and the soil was excavated to the watertable and treated to meet the statewide health standard. The final report was approved December 8, 1998. Contact John Matviya, DEP, (412) 442-4091.

Allegheny County — Portec Inc. RMP Division Southwest Region

Located in O'Hara Township, this site on the northern bank of the Allegheny River was formerly used for light industrial and equipment maintenance. The site underwent remediation for both soil and groundwater contamination caused by the waste products that had been produced on site. A total of 55 tons of soils containing toluene, xylene and hexane were removed along with 37 drums of waste material. Site soils and groundwater were remediated to meet the nonresidential statewide health standard. The final report was approved November 30, 1998. Contact Mark Johnson, DEP, (412) 442-4067.

Allegheny County — Redevelopment Authority of the City of McKeesport Southwest Region

Located at the intersection of Irwin and Soles Streets in McKeesport, this 5,000-square-foot site was home to a gasoline station and an automobile repair shop prior to being purchased by the Redevelopment Authority in 1997. Three USTs were removed between 1981 and 1983. Soil sampling was performed in 1998, and analysis indicated that the removal of the three USTs and associated soils attained the statewide health standard. Relief of liability to the area of the former USTs was granted September 24, 1998. Contact John Matviya, DEP, (412) 442-4091.

Completed Site Descriptions

Allegheny County — Sears Roebuck Automotive Center (Formerly)

Southwest Region

Located in the East Liberty neighborhood of Pittsburgh, this site underwent remediation for soil contamination after the removal of four USTs. The contaminant of concern was TPH. Site soils were remediated by soil removal and disposal to meet the non-residential statewide health standard for soils. The final report was approved March 10, 1999. Contact John Matviya, DEP, (412) 442-4091.

Beaver County — ARCO Chemical Co. Beaver Valley Plant

Southwest Region

Located in Potter Township, this former Beaver Valley Plant that manufactured polystyrene products and specialty foams underwent remediation for soil contamination. The contaminant of concern was mercury. Site soil was remediated to meet the statewide health standard through excavation. The final report was approved June 15, 1998. Contact John Matviya, DEP, (412) 442-4091.

Beaver County — Pittsburgh Tube Co.

Southwest Region

The Rome Metals Facility, formerly the Pittsburgh Tube Co., operates a steel tubing manufacturing facility on this 3-acre site in Monaca Borough. Historically, the site was occupied by the Opalite Tile Co., which manufactured glass tile and sheet glass until 1925. The Monaca Lumber Co. also used the site as a lumberyard just before Pittsburgh Tube acquired the property. Extensive site assessment was done and the only contaminant of concern found was lead. The lead was found in soil that was associated with glass fill left by the tile company. The assessment showed that there was sufficient soil depth between the soil and the groundwater to protect the groundwater from contamination. The final report was approved June 14, 1999. Contact Edward Bates, DEP, (724) 925-5405.

Berks County — Berks Products Corp.

Southcentral Region

Located in Muhlenberg Township, this 4.3-acre site underwent remediation for both soil and groundwater contamination. The contaminants of concern were VOCs and petroleum products. Site soils and groundwater were remediated to meet a combination of the background and statewide health standards. The final reports for soils and groundwater were approved April 7, 1999. Act 2 relief will facilitate the sale and reuse of this property. Contact Patricia Romano, DEP, (717) 705-4866.

Berks County — Bernville Manufacturing

Southcentral Region

Located in Bernville Borough, this site's soil was contaminated with lead. On July 9, 1998, remediation of 4,400 square feet of soil was completed and the soil met the site-specific standard. Formerly an abandoned industrial site, the site will now be used as a manufacturing plant. Contact Patricia Romano, DEP, (717) 705-4866.

Berks County — Conrad Weiser Homestead

Southcentral Region

In April 1999, the Conrad Weiser Homestead in Heidelberg Township attained the statewide health standard for soil. During the removal of a regulated tank, 3.1 tons of unleaded gasoline-impacted soil were excavated and properly disposed of. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — Jake's Place

Southcentral Region

In June 1998, Jake's Place, a bar/restaurant establishment in Hamburg Borough, attained the statewide health standard for soil. During the removal of regulated storage tanks, 25 tons of leaded gasoline-impacted soil were excavated and properly disposed of. Confirmatory soil sampling established the success of the small-scale cleanup. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — McQuaide Freight Lines

Southcentral Region

In June 1998, McQuaide Freight Lines, a trucking terminal in Tulpehocken Township, attained the statewide health standard for soil. During the removal of regulated tanks, 125 tons of diesel- and used motor oil-impacted soils were excavated. Proper soil sampling revealed that no regulated compound exceedances existed. The soil was then appropriately maintained and reused at the site. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — Miller's Super Service

Southcentral Region

In April 1999, Miller's Super Service in Temple Borough attained the statewide health standard for soil. During the removal of regulated tanks, 60 tons of unleaded gasoline-impacted soil were excavated and properly disposed of. This former gas station and garage is currently for sale. Contact Bill Noll, DEP, (717) 705-4838.

Completed Site Descriptions

Berks County — Muhlenberg Township Well 12 Southcentral Region

In April 1999, the Muhlenberg Township Authority attained the statewide health standard for soil at well station 12 in Muhlenberg Township. During the removal of a regulated tank, 25 tons of diesel fuel-impacted soil were excavated and properly disposed of. Proper soil attainment under Act 2 was demonstrated in accordance with established U.S. Environmental Protection Agency (EPA) protocols, utilizing departmental guidance. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — Nolde Forest Environmental Education Center Southcentral Region

In May 1999, Nolde Forest Environmental Education Center in Cumru Township attained the statewide health standard for soil. During the removal of regulated tanks, 26.58 tons of unleaded gasoline-impacted soil were excavated and properly disposed of. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — Offset Impressions Inc. Southcentral Region

In March 1999, Offset Impressions Inc. in Cumru Township attained the statewide health standard for soil. During the removal of regulated tanks, 86 tons of printing solvent and isopropyl alcohol-impacted soil were excavated and properly disposed of. Proper soil attainment under Act 2 was demonstrated in accordance with established EPA protocols, utilizing departmental guidance. A groundwater characterization was also completed, which resulted in no detection of the critical substances in question. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — Palm and Sons Inc. Southcentral Region

In June 1998, Palm and Sons Inc. in Cumru Township attained the statewide health standard for soil. During the removal of regulated storage tanks, 12 tons of leaded gasoline-impacted soil were excavated and properly disposed of. Confirmatory soil sampling established the success of the small-scale cleanup. Contact Bill Noll, DEP, (717) 705-4838.

Berks County — Reading-Muhlenberg Area Vo-Tech School Southcentral Region

In August 1998, the Reading-Muhlenberg Vo-Tech School in Muhlenberg Township attained the statewide health standard for soil. During the removal of a regulated tank, 11.43 tons of used

motor oil-impacted soils were excavated and properly disposed of. Confirmatory soil sampling established the success of the small-scale cleanup. Contact Bill Noll, DEP, (717) 705-4838.

Bradford County — Joseph Mint Residence Northcentral Region

Located in South Waverly Borough, this residential property underwent remediation when a 2,000-gallon UST failed, releasing 1,100 gallons of oil into the subsurface. Hydrocon Services Inc. was retained to perform the investigation, excavation and remediation at this location. Approximately 10 tons of soil were excavated to meet the statewide health standard. The final report was approved April 22, 1999. Contact Larry Newcomer, DEP, (570) 327-3418.

Bucks County — Cartex Facility Southeast Region

Located in Doylestown Borough, this 19.1-acre facility produced and molded foam for automobile seats. From 1965 to 1987, production, research and administration occurred in five buildings located on the northern portion of the site. In 1986, an EPA groundwater survey of the Doylestown area discovered groundwater contamination at the Cartex Facility. Subsequent soil and groundwater investigations found the northern end of the site to be contaminated with VOCs. In 1995, new property owners began cleanup of the site. While data from earlier studies indicated no necessary soil removal, groundwater remained a concern. An active groundwater pump-and-treat system was installed and operated for approximately 18 months. On August 3, 1998, the department granted an Act 2 relief from liability for this property under the statewide health standard for solvents in soil and groundwater. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Bucks County — Childers Products Inc. Southeast Region

Located on 2.2 acres in Bristol Township, the Childers facility has been in operation since 1968 and manufactures insulation protection products used for industrial applications, metal jacketing systems, accessories, mastics, coatings, adhesives and sealant. Initial site investigations were conducted on the 0.5-acre property in 1988, when a leaking 4,000-gallon UST was discovered on the property. VOCs were detected in site soils and groundwater. Childers began operation of a groundwater recovery and treatment system and a soil vapor extraction system. Site soil and groundwater were remediated to a site-specific standard. The final report was approved December 10, 1998. Contact Lauren Mapleton, DEP, (610) 832-5922.

Completed Site Descriptions

Bucks County — Decommissioned Granite Substation Southeast Region

The former Pennsbury Steam Electric Station (SES) is a 2,800-square-foot decommissioned substation, located within a residential area in Richland Township, owned and operated by the Pennsylvania Power and Light Co. (PP&L). PP&L tested for PCB contamination that exceeded the statewide health standard for soil. None of the 43 soil samples taken detected PCB-contaminated soil. PP&L was granted a relief from liability under the residential statewide health standard for soil in accordance with Act 2. The property will remain zoned residential. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Katz and Katz Southeast Region

Located in Hilltown Township, this 2.95-acre site underwent remediation for soil contamination. Four unregulated heating oil storage tanks and two regulated tanks had been removed, leaving petroleum contamination in the tank craters. Remedial action included the excavation and transportation of contaminated soil off site for disposal and the reuse of soil mixed with cement as the floor shed. Site soils were remediated to meet the statewide health standard. The final report was approved May 17, 1999. Contact Chris Falkler, DEP, (610) 832-5930.

Bucks County — Lehequet Residence Southeast Region

Located in Lower Southampton Township, this residence was impacted by an oil release from an aboveground storage tank (AST) on a neighboring property (McKenny residence). Remediation included removing and replacing the McKennys' AST as well as excavating 66.81 tons of petroleum-impacted soils. The soils were remediated to the statewide health standard and the final report was approved November 10, 1998. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Matico Property Southeast Region

Located in Yardley Borough, this residence underwent remediation for soil contamination after 172 gallons of home heating oil were released from an AST. As an immediate response, impacted stone and soil from the basement and soils outside the home were removed. Further cleanup activities included the removal of additional contaminated soils one year after the incident. In addition, a vapor ventilation system was installed in the basement, operating for approximately one year. Site soils were remediated to the statewide health standard and the final report was approved July 24, 1998. Contact James Burke, DEP, (610) 832-6151.

Bucks County — McKenny Residence Southeast Region

Located in Lower Southampton Township, this residence, served by municipal water and sewer, underwent remediation for soil contamination caused by a heating oil release from an AST. The release also contaminated soils on a neighboring property. Remediation included removing and replacing the AST and excavating 66.81 tons of petroleum-impacted soils. Site soils were remediated to the statewide health standard and the final report was approved November 10, 1998. Contact Alex Reyda, DEP, (610) 832-5927.

Bucks County — Meehan Residence Southeast Region

Located in Middletown Township, this residence underwent remediation for soil contamination resulting from a home heating oil release from a UST. Site soils were excavated and remediated to the residential statewide health standard. The final report was approved July 2, 1998. Contact Chris Falkler, DEP, (610) 832-5930.

Bucks County — Moyer Packing Co. Southeast Region

Located in Upper Makefield Township, the main plant building is situated on 2.2 acres of this 66.7-acre site. Moyer Packing (MOPAC) owned and operated the property from 1955 to 1981 as a rendering plant. Prior to that, it was known as the Howard Walker Plant and was used for rendering operations and manufacturing dog food. In the past, MOPAC performed limited truck maintenance at the site and may have used commercial degreasers and solvents. Two USTs were removed in 1992. Neither tank had defects, but both were punctured during excavation. Four monitoring wells were installed to determine the extent that the spill impacted groundwater. Two rounds of sampling in 1994 revealed no presence of fuel oil constituents, but did reveal the presence of VOCs, unrelated to the UST excavation. Eight additional shallow groundwater monitoring units were installed and soil borings were collected and analyzed. These tests showed the presence of VOCs in both soils and groundwater. Further testing revealed that area surface waters were not impacted. Off-site residential well testing also showed no contamination. MOPAC will continue groundwater sampling on a semi-annual basis and will maintain a carbon filtration system on a nearby downgradient home. On December 30, 1998, MOPAC was granted a relief from liability under Act 2 for the statewide health standard for soils and the statewide health and site-specific standards for groundwater. Contact Lauren Mapleton, DEP, (610) 832-5922.



Completed Site Descriptions

Bucks County — Peluso Residence Southeast Region

Located in Doylestown Township, this residence underwent remediation for soil contamination. During the removal of a UST, the tank was found to have holes in the body. The contaminant of concern was heating oil. Nearly six tons of contaminated soil were excavated from the former tank pit and properly disposed of. Site soils were remediated to the statewide health standard and the final report was approved July 30, 1998. Contact Lauren Mapleton, DEP, (610) 832-5922.

Bucks County — Penns Park Road Spill Southeast Region

This 4-acre parcel in Wrightstown Township contains a multi-sectioned, slab-on-grade, renovated commercial building. From 1968, the parcel was used for furniture warehousing and sales. A small auto detailing shop operated on the rear portion of this property between the 1980s and 1990s. In 1996, an abandoned UST released water-degraded fuel oil after heavy rainfall entered the UST through a damaged tank fill port. Product displaced moved along the surface, downgradient through the road drainage ballast along the south side of Penns Park Road and into a tributary of Neshaminy Creek. Emergency response teams responded the evening of discovery by deploying oil absorbent pads and booms. Approximately 550 feet of the road shoulder was excavated and replaced with clean stone. Three filters designed to trap any residual oil flowing along the shoulder were installed and replaced until accumulation of product ceased. The tank was removed along with contaminated water and soil down to the shallow bedrock. Periodic monitoring of petroleum constituents at three crossgradient and downgradient wells have consistently shown levels below detection limits. An Act 2 relief from liability was granted May 28, 1999, under the statewide health standard for site soils. Contact Barbara Bloomfield, DEP, (610) 832-6166.

Butler County — Kwik Fill S 061 Northwest Region

Located in Prospect Borough, this 1-acre site underwent remediation for soil contamination after a partial UST system closure. More than 385 tons of contaminated soil were excavated and sent to Soil Remediation Inc. for thermo-remediation. Site soils were remediated to meet the statewide health standard. The final report was approved December 18, 1998. Contact Jack Ashton, DEP, (814) 332-6648.

Cambria County — Cecilia Kearns Residence Southwest Region

A home fuel oil spill occurred at this residence in East Conemaugh Borough December 17, 1998. Excavation and removal of the affected soil took place within 90 days of the spill. Confirmation samples detected that no contamination was left on site from the spill. Final approval and liability relief for the site remediated under the residential statewide health standard was given April 9, 1999. Contact John Matviya, DEP, (412) 442-4091.

Cambria County — Home Depot USA Southwest Region

This 43-acre site in Richland Township was formerly used as a firing range by the Fraternal Order of Police. Soil samples of the flat portion and backstop area of the range indicated lead at levels above the nonresidential statewide health limits. Groundwater samples and samples of spring water and sediments from down-gradient locations were also taken. None of the water samples showed any impact from lead. All soil above the limit was excavated and treated with a stabilization chemical to render the lead immobile in groundwater. To further eliminate any lead exposure, the stabilized soil was placed under a clean layer of fill and paved with asphalt as the parking area for the Home Depot. The final report was approved May 17, 1998. Contact Ed Bates, DEP, (724) 925-5405.

Cambria County — Johnstown Corp. Southwest Region

Johnstown Corp. is a steel foundry in Johnstown that produces iron and steel castings for industrial applications. The 60-acre site is located within an enterprise zone. Steel production has occurred on this site for more than 100 years under the management of various companies including Lorain Steel, Carnegie-Illinois Steel and United States Steel. The latest operator, HIG Capital Management, acquired the property in 1996. The suspected contamination at the site was due to petroleum products, but a baseline investigation revealed that the levels were below the statewide health standard limits. The final report was approved October 14, 1998. Contact John Matviya, DEP, (412) 442-4091.

Carbon County — PP&L Pole Northeast Region

One pole site in Carbon County underwent remediation for soil contamination. The contaminants of concern were residual PCBs that were present as the result of historic transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2498.

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Centre County — State College Ford Northcentral Region

Located in Ferguson Township, this car dealership underwent remediation for soil contamination. During a previous assessment/remediation project conducted under EPA and DEP oversight, two disposal wells were remediated and abandoned. The site was discovered by EPA representatives conducting area-wide investigations of underground injection wells. The soil sampling results revealed attainment of the residential statewide health standard. The final report was approved April 22, 1999. Contact Larry Newcomer, DEP, (570) 327-3418.

Chester County — ACME 22 1764 Southeast Region

Located in East Nottingham Township, the site of this vacant supermarket underwent remediation for soil contamination. While removing a heating oil UST from the subsurface at the rear of the store, localized soil contamination was observed. The UST and 40 tons of contaminated soils were removed and properly disposed of. The soils met the residential statewide health standard and the final report was approved April 22, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Bufo Residence Southeast Region

Located in Easttown Township, this residence underwent remediation for soil contamination. Contamination resulted from a fuel oil release when an unused heating oil UST at the nearby Welliver residence leaked due to heavy rains and a damaged fill port. Rainwater pooled over the fill port and traveled south down the fill pipe, displacing the lower density heating oil. Oil flowed out of the tank, through the fill port, over the saturated ground and onto the adjacent Jackson and Bufo residences. The oil continued flowing downward into Sharp's Woods. The soils were remediated to the statewide health standard, and the final report was approved September 1, 1998. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — First Industrial Pennsylvania, LP Southeast Region

Located in Uwchlan Township, this 3-acre property was formerly used for the segregation, alloying, reduction and warehousing of titanium scrap. Site characterization revealed petroleum lubricating oil compounds. Contaminated soil was found underneath portions of the 22,000-square-foot building, adjoining concrete pad and the removed rear pad. The lubricating oil-contaminated site soils met the nonresidential statewide health standard and the final report received approval in

October 1998. The site is currently a commercial property. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Jackson Residence Southeast Region

Located in Easttown Township, this residence underwent remediation for soil contamination that resulted from a fuel oil release from a damaged UST at the nearby Welliver residence. The UST leaked due to heavy rains and a damaged fill port. Rainwater pooled over the fill port and traveled south down the fill pipe, displacing the lower density heating oil. Oil flowed out of the tank, through the fill port, over the saturated ground and onto the adjacent Jackson and Bufo residences. The oil continued to flow downgradient into Sharp's Woods. The soils were remediated to the statewide health standard. The final report was approved September 1, 1998. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Northbrook Orchards Southeast Region

Located in Pocopson Township, this 128-acre agriculture site has been in business since the turn of the century, growing fruits, berries and vegetables. Initial soil samples were analyzed for several chemical and organic compounds. The only contaminant of concern found was arsenic. Fifteen areas on the property were deemed contaminated. Fourteen areas were excavated and the soils were properly disposed of. Due to a thin soil zone with a high rock content, the 15th area did not require remediation. The site soils met the statewide health standard and the final report received approval February 3, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Phoenixville Technical Center Southeast Region

Located in Phoenixville Borough, this 13-acre site underwent remediation for soil contamination after the removal of a 10,000-gallon heating oil tank. The contaminant of concern was naphthalene. Nine tons of soil were removed and excavated to meet the statewide health standard. The final report was approved November 23, 1998. Contact James Burke, DEP, (610) 832-6151.

Chester County — Serena Inc. Southeast Region

Located in Downingtown Borough, this 16-acre site, formerly owned by the O'Brien Machinery Co., underwent remediation for soil contamination. The contaminants of concern were PCB-impacted soils and concrete surfaces. Contamination existed in

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and around a 250,000-square-foot building. The building was completely demolished and approximately 3,600 tons of non-TSCA waste and 1,400 tons of TSCA-regulated, PCB-contaminated soils were properly disposed of. Site soils were remediated to meet the statewide health standard. The final report was approved April 20, 1999, and the site is in the midst of being developed by the Chester County Industrial Development Authority. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Sharp's Woods Southeast Region

Located in Easttown Township, this site underwent remediation for soil contamination after fuel oil was released from an unused, 1,000-gallon heating oil UST located at the nearby Welliver residence. The UST leaked as a result of heavy rains and a damaged fill port. Rainwater pooled over the fill port and traveled south down the fill pipe, displacing the lower density heating oil. Oil flowed out of the tank, through the fill port, over the saturated ground and onto the adjacent Jackson and Bufo residences. The oil continued to flow downgradient into Sharp's Woods. On September 1, 1998, the remediated areas of the property were given an Act 2 relief from liability after testing showed the residential statewide health standard for soil had been met. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Staats Oil Southeast Region

Located in Malvern Borough, this property, currently owned by Heating Oil Partners, was once owned by Staats Oil and was used as a heating oil storage and distribution facility. The areas of concern included a former AST field, a former gasoline and kerosene UST field and a former railroad car tanker used as a UST. Contaminants of concern were benzene, cumene and naphthalene in the soil, and benzene, cumene, naphthalene and fluorene in the groundwater, but they did not exceed the statewide health standard for a non-use aquifer. Therefore, the final report was approved June 14, 1999. Contact James Burke, DEP, (610) 832-6151.

Chester County — Stoltzfus Estate Southeast Region

Located in Valley Township, this property is home to an active crop farm. A ravine on the farm property, once used as a farm dump, underwent remediation for soil contamination. Approximately 1,000 tons of waste and contaminated soil were removed from the 100-foot ravine and properly disposed of. Site soils were remediated to meet the statewide health standard. The final report was approved May 12, 1999. The property is being purchased by the local school district and could possibly be used in the future for the construction of a public school. Contact Alex Reyda, DEP, (610) 832-5927.

Chester County — Stonegate Southeast Region

Located in West Bradford Township, this 9-acre site was once an orchard. Realen will use the now empty land to construct Stonegate Development, a residential community. The site soils were investigated to determine the site's eligibility for Act 2 liability protection. Numerous soil samples were tested for arsenic, lead, dichlorodiphenyltrichlorethane (DDT) and dichlorodiphenyldichloroethylene (DDE), commonly used chemicals in pesticides. When concentrations of these contaminants were found in the soil, consultants performed proper excavation, transportation and off-site disposal of the 1,156 tons of contaminated soil. Post-remedial data showed that levels of DDT and DDE remaining in the soil were lower than the residential statewide health standard for organic regulated substances in soil. Levels of arsenic, lead, DDT and DDE in soils attained the residential statewide health standard under Act 2. The final report received approval March 3, 1999. Contact Chris Falkler, DEP, (610) 832-5930.

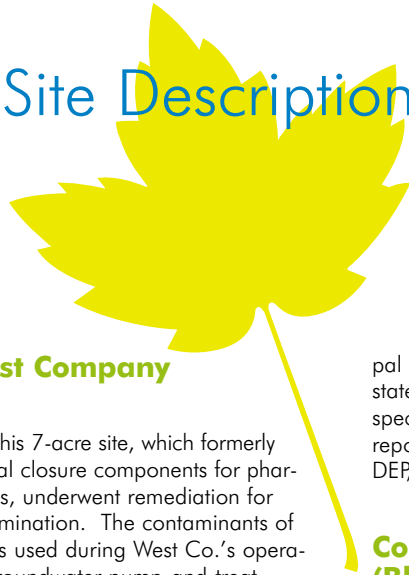
Chester County — Strunk Farm Property Southeast Region

Located in East Fallowfield Township, this site includes several hundred acres in an agricultural and residential area. Since 1988, the property has been used for agricultural purposes. The cleanup plan included the removal of debris from a wooden ravine, the removal of potentially impacted soil from the former manufacturing area, the removal of potentially impacted soil bordering a septic tank and the removal and disposal of a gasoline UST and associated soil. Site soils were remediated to meet the statewide health standard. The final report was approved April 20, 1999. Contact Kathy King, DEP, (610) 832-5924.

Chester County — Welliver Residence Southeast Region

This residence in Easttown Township underwent remediation for soil contamination resulting from a fuel oil release when an unused heating oil UST leaked due to heavy rains and a damaged fill port. Rainwater pooled over the fill port and traveled south down the fill pipe, displacing the lower density heating oil. Oil flowed out of the tank, through the fill port, over the saturated ground and onto the adjacent Jackson and Bufo residences. The oil continued to flow downgradient into Sharp's Woods. The soils were remediated to the statewide health standard, and the final report received approval September 1, 1998. Contact Alex Reyda, DEP, (610) 832-5927.

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Chester County — West Company Southeast Region

Located in Phoenixville Borough, this 7-acre site, which formerly molded rubber and stamped metal closure components for pharmaceutical and medical industries, underwent remediation for both groundwater and soil contamination. The contaminants of concern were chlorinated solvents used during West Co.'s operations. Remediation included a groundwater pump-and-treat system and the removal of three USTs. Site soil and groundwater were remediated to meet the statewide health standard. The final report was approved February 9, 1999, and the site is now used for several small start-up businesses. Contact James Burke, DEP, (610) 832-6151.

Chester County — Whitman Residence Southeast Region

Located in Tredyffrin Township, this residence underwent remediation for soil and groundwater contamination. Contamination was discovered during the removal of a 500-gallon heating oil UST that had several holes in the bottom. Stained soils and free product also were encountered during the excavation. A soil sample indicated elevated TPH concentrations. Interim remedial activities included pumping nearly 4,000 gallons of presumed contaminated water from the excavation for proper disposal. Excavated soils were also properly disposed of. Post-excavation and groundwater sampling indicated no exceedances of the residential statewide health standard for heating oil constituents. On January 26, 1999, the property owner was granted a relief from liability under Act 2. Contact Kathy King, DEP, (610) 832-5924.

Clearfield County — Kephart Property Northcentral Region

This residential property in Decatur Township underwent remediation for soil contamination. The contaminant of concern was fuel oil from a 275-gallon storage tank that had ruptured during filling. Approximately 170 gallons of fuel oil were released under the property. Hydro-Environmental Technologies Inc. was retained to perform the remediation. Excavation and installation of the vapor extraction treatment system were used to meet the statewide health standard. The final report was approved December 9, 1998. Contact Vu Tran, DEP, (570) 327-3721.

Columbia County — Berwick Industries Northcentral Region

Located in Berwick Borough, this site came to the department's attention when a sampling of wells, installed as a result of a UST removal, indicated chlorinated solvent contamination. The facility was used for a number of years as a manufacturing facility by several different owners. This project included a limited soil vapor extraction system, connection of residences to municipi-

pal water and groundwater monitoring. The residential statewide health standard was attained for the soils and a site-specific standard was attained for the groundwater. The final report was approved August 6, 1998. Contact Larry Newcomer, DEP, (570) 327-3418.

Columbia County — Friedman's Express (Bloomsburg Truck Terminal) Northcentral Region

Located in Bloomsburg Township, this 1-acre heavily industrialized area underwent remediation for soil contamination. The contaminants of concern were PCBs in the soil resulting from past handling and disposal of PCB-contaminated oil from the adjacent Bituminous Emulsion plant. The remedial option selected for the soils included the construction of an asphalt cap that can be utilized for parking and/or storage. Site soil was remediated to meet the site-specific standard. The final report was approved May 29, 1998. Contact Larry Newcomer, DEP, (570) 327-3418.

Crawford County — Advanced Cast Products Inc. Northwest Region

Located in Vernon Township, this 0.25-acre site underwent remediation for soil contamination. Areas of concern were the settling pond and de-watering area where baghouse dust sludge was stored. Soil samples met the nonresidential standard and groundwater samples met the nonresidential used aquifer standard. The entire area was filled with several feet of shale to prepare for a building. The final report was approved June 18, 1998. Contact Anita Stainbrook, DEP, (814) 332-6978.

Crawford County — Buells Corner Store Northwest Region

Located in Rome Township, this auto refueling facility and country store underwent remediation for soil contamination. The contaminant of concern resulted from the removal of the old UST system. To passively bioremediate on site, 37 cubic yards of soil were placed in a two-foot pile and were mixed with organic augmentation. Site soils were remediated to meet the statewide health standard. The final report was approved August 31, 1998. Contact Jack Ashton, DEP, (814) 332-6648.

Crawford County — Meadville Area Ambulance Service Northwest Region

Located in Meadville, this site underwent remediation for soil contamination. The contaminant of concern was unleaded gasoline from a 550-gallon tank that was removed from the

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facility in November 1998. Approximately 30 tons of contaminated soil were excavated to meet the statewide health standard. The final report was approved April 21, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Crawford County — Northwestern Rural Electric Co-Op Association Northwest Region

Located in Cambridge Township, this site underwent remediation for soil contamination. The contaminant of concern was from a 10,000-gallon gasoline UST. Approximately 19 tons of contaminated soil were excavated and sent to Lake View Landfill. Site soils were remediated to meet the statewide health standard. The final report was approved January 14, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Crawford County — Westerbeck Pennzoil (Formerly) Northwest Region

This former Westerbeck Pennzoil service station in Titusville was acquired by the Pennsylvania Department of Transportation (Penn DOT) and underwent remediation for soil contamination. The site was used to improve the intersection of Routes 8 and 27. Four UST systems, once used to store underground leaded gasoline, were removed. A total of 394 tons of contaminated soil was excavated and properly disposed of. The site was remediated to meet the statewide health standard. The final report was approved April 27, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Cumberland County — Conewago Contractors Inc. Warehouse Facility Southcentral Region

Located in Lemoyne Borough, this 13-acre site was contaminated with petroleum products and VOCs. The final report for remediation of soils to meet the statewide health standard and the remedial investigation/final report for remediation of groundwater to a site-specific standard were received January 29, 1999, and approved February 4, 1999. Formerly the American Can facility, the site was purchased by Conewago Contractors for use as a warehousing facility. Contact Manuel Nzambi, DEP, (717) 705-4839.

Cumberland County — Cumberland Building Co. Southcentral Region

The Cumberland Building Co. is located on one acre in North Middleton Township. In September 1998, a relief from liability

was received for a soil pile resulting from a tank removal at the facility. The soil was impacted by gasoline and diesel fuel. The soil pile was treated on site with enhanced bioremediation and attained a statewide health standard. Contact Robin Yerger, DEP, (717) 705-4887.

Cumberland County — Financial Trust Regional Headquarters Southcentral Region

Located in Carlisle Borough, this 10-acre site met the background standard for groundwater contamination. The final report for this site received approval June 9, 1998. The site will be used for the expansion of Dickinson College. Contact Manuel Nzambi, DEP, (717) 705-4839.

Cumberland County — Murata Electronics National Inc. Southcentral Region

Located in Carlisle Borough, the soil and groundwater on this 3.6-acre site were found to be contaminated with VOCs. The remedial investigation and final report were approved September 4, 1998. The groundwater attained the background standard and the soils a site-specific standard. The Capital Region Economic Development Corp. has purchased the property for use as a business incubator. Contact Manuel Nzambi, DEP, (717) 705-4839.

Cumberland County — Penn Township Building Southcentral Region

Located in Penn Township, this site underwent remediation for soil contamination. During the removal of two USTs, soil contamination was observed. The USTs and 46.91 tons of gasoline- and diesel-contaminated soil were removed and properly disposed of. The soils met the statewide health standard, and the final report was approved December 17, 1998. Contact Robin Yerger, DEP, (717) 705-4887.

Cumberland County — Pennsboro Center Southcentral Region

Pennsboro Center, located on one acre in Wormleysburg Borough, attained the statewide health standard for naphthalene in groundwater in June 1998. The subject facility consists of two multi-story office buildings. The contamination resulted from a leak in the line of a fuel tank system. The property will continue to be utilized as an office building. Contact Robin Yerger, DEP, (717) 705-4887.

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Cumberland County — PP&L Poles Southcentral Region

Two pole sites in Cumberland County underwent remediation for soil contamination. The contaminants of concern were residual PCBs present as the result of past transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Patricia Romano, DEP, (717) 705-4866.

Cumberland County — Royer Tract Southcentral Region

Located in South Middleton Township, this 200-acre site underwent remediation for soil contamination. The site was part of an area-wide contamination with VOCs. Site soil was remediated to meet the area-wide background standard, and the land will be redeveloped for commercial use. The final report was approved June 15, 1999. Contact Steve Shank, DEP, (717) 705-4841.

Dauphin County — Bill's Chicken Shack Southcentral Region

In September 1998, Bill's Chicken Shack in Harrisburg attained the statewide health standard for soil. During the removal of a regulated tank, a small amount of leaded gasoline-contaminated soil was encountered and reported. Proper in-situ sampling revealed that no regulated compound exceedances existed. The soil was then appropriately maintained and reused at the site. Contact Bill Noll, DEP, (717) 705-4838.

Dauphin County — Conewago Township Building Southcentral Region

In October 1998, the Conewago Township Administration attained the statewide health standard for soil for this building. During the removal of regulated tanks, more than 23 tons of unleaded/leaded gasoline- and diesel-impacted soil were excavated and properly disposed of. Confirmatory soil sampling established the success of the small-scale cleanup. Contact Bill Noll, DEP, (717) 705-4838.

Dauphin County — Hershey Chocolate USA Southcentral Region

In August 1998, Hershey Chocolate USA in Derry Township attained the statewide health standard for soil. During the removal of regulated tanks, more than 24 tons of unleaded gasoline- and diesel-impacted soil were excavated and properly disposed of. Confirmatory soil sampling established the success of the small-scale cleanup. Contact Bill Noll, DEP, (717) 705-4838.

Dauphin County — Polyclinic Medical Center Southcentral Region

In April 1999, the Polyclinic Medical Center in Harrisburg attained the statewide health standard for soil. During the removal of a regulated tank, 72.43 tons of diesel-impacted soils were excavated and properly disposed of. Contact Bill Noll, DEP, (717) 705-4838.

Dauphin County — PP&L Poles Southcentral Region

Six pole sites underwent remediation for soil contamination. The contaminants of concern were residual PCBs present as a result of the historic transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Patricia Romano, DEP, (717) 705-4866.

Dauphin County — Rite Aid Corp. Southcentral Region

In April 1999, the Rite Aid Corp. in Derry Township attained the statewide health standard for soil. During the removal of a currently unregulated gasoline tank, 85 tons of leaded gasoline-impacted soil were excavated and properly disposed of. Contact Bill Noll, DEP, (717) 705-4838.

Dauphin County — Scottish Rite Cathedral Southcentral Region

In March 1999, the Scottish Rite Cathedral in Harrisburg attained the statewide health standard for soil. During the removal of an unregulated tank, 27.65 tons of fuel oil-impacted soils were excavated and properly disposed. Contact Bill Noll, DEP, (717) 705-4838.

Delaware County — ARCO/SAP America Property Southeast Region

Located in Newtown Township, this site underwent remediation for soil contamination. Historical uses of this 183-acre site include a summer camp for girls, a railroad spur, a heating oil dealership and a lumberyard, which burned down in 1990. Investigations indicated that there were four primary areas of concern on the site: barn area 4, the western detention basin, the railroad shed area and the former lumberyard. Impacted soils in these areas were delineated, excavated and properly disposed of. Site soils were remediated to meet the residential statewide health standard. The final report for soils was approved August 17, 1998. Act 2 relief helped facilitate the sale of the parcels to SAP

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America, a European software-manufacturer. ARCO has retained ownership of the remainder of the 312-acre property. Contact Walter Payne, DEP, (610) 832-5928.

Delaware County — Assemco Inc. Southeast Region

Located in the Holmes Corporate Center in Ridley Park Borough, this commercial site underwent remediation for soil contamination. During the removal and closure of a 2,000-gallon UST, petroleum-contaminated soils were detected. Investigation of site soils led to more than 3,500 gallons of fuel oil and water and 189 tons of petroleum-impacted soils being excavated from the site. The soils met the statewide health standard, and the final report was approved November 12, 1998. The site will continue to operate as a facility for assembling electrical and mechanical fasteners. Contact James Burke, DEP, (610) 832-6151.

Delaware County — Baer Property Southeast Region

Located in Eddystone Borough, this steam locomotive manufacturing plant has been vacant since the plant closed in the 1960s. The contaminants of concern included lead, heavy metals and petroleum hydrocarbons (PHCs). Remediation work in the fall of 1995 resulted in the removal of 160 tons of petroleum-contaminated soil from the property. Later investigations led to the excavation and disposal of 450 feet of the main underground conduit piping, which formerly transported fuel oil, a UST and superficial debris. Heavy metals and PHCs were allowed to remain on site after it was proven that no migration or exposure pathways existed. A deed notice will identify the areas where the compounds remain. The 25.5-acre site is in an industrial area near the Delaware River and has excellent access to major highways and the Philadelphia Airport. Future uses could include both commercial and industrial activity. Contact Chris Falkler, DEP, (610) 832-5930.

Delaware County — Boeing Helicopters Southeast Region

Located in Ridley Township, this 65-acre site underwent remediation for soil and groundwater contamination. Solvents were the contaminants of concern. The source of the solvent release was a vapor degreaser in the north area of the site. The degreaser operated from 1962 through 1980; contamination was discovered and remediation of the source area was completed in 1990. Approximately 4,672 tons of contaminated soil and debris were removed from the area of the degreaser. Historical data suggests the contamination plume is entirely contained within the Boeing property boundaries, and that it has been shrinking due to natural attenuation after the removal of the source area. Groundwater at the site was monitored through a network of 37 wells from 1989 through 1998, and was remediated from 1994

to 1996 using a groundwater pump-and-treat system. It was determined the Crum Creek and the Delaware River were not impacted by the spill. Groundwater was remediated to the statewide health standard. The final report for groundwater received approval October 9, 1998. Contact Walter Payne, DEP, (610) 832-5928.

Delaware County — Brandywine Realty II Inc. Southeast Region

Located in Concord Township, this former Westinghouse Corp. facility enrolled in the Act 2 process after several phases of environmental investigation indicated the presence of trichloroethylene (TCE) in groundwater and surface water. A series of monitoring wells were installed and indicate that the contamination is migrating onto the property. Soil investigations found no source area for TCE on the property, thus confirming off-site migration. Groundwater met the background standard for TCE. The final report for groundwater was approved April 13, 1999. A portion of this 75-acre site is being redeveloped as commercial rental space. Contact George Fritz, DEP, (610) 832-5925.

Delaware County — Gilbert's Flower Shop Southeast Region

Located in Ridley Township, the site of this former flower shop underwent remediation for groundwater and soil contamination. A leak occurred from one of the three USTs in use on site, resulting in groundwater and soil contamination. Cleanup remedies included the excavation and proper disposal of more than 340 tons of soil and the installation and operation of a groundwater pump-and-treat system. The soils and groundwater met the statewide health standard and the final report received approval November 25, 1998. This 4-acre vacant property will be redeveloped as retail rental space. Contact George Fritz, DEP, (610) 832-5925.

Delaware County — PECO Tilghman Street Gas Plant Southeast Region

This property is located on the northern bank of the Delaware River in Chester. Significant gas manufacturing, processing and distribution operations occurred at this site from the early 1890s through the 1950s, when natural gas and propane air supplies covered the bulk of demand for gas. Since the 1960s, the primary activities on site have been related to natural gas and propane air distribution. The facility, while no longer a gas manufacturing facility, is a multi-functional supplier of PECO's gas distribution system. A natural gas gate station with associated facilities terminates at Tilghman Street, supplying gas to PECO from Texas

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Eastern Gas Transmission and Transcontinental Gas Transmission Co. Several interim remedial measures have been performed to remove potential source areas of contamination associated with former manufactured gas plant operations on site. These include the excavation and proper disposal of the contents of several subsurface structures in the gas plant area, surface tar impacts on the propane storage area and the gross removal of mobile nonaqueous phase liquid from the subsurface. An Act 2 relief from liability was granted to PECO under the site-specific standard for metals, polyaromatic compounds and VOHs. PECO Energy will retain ownership and operation of the active natural gas/propane facilities that comprise the western portion of the site. Plans for the remainder of the site are not certain at this time. Contact Pamela Reigh, DEP, (610) 832-5929.

Delaware County — Realen, LP Inc. Southeast Region

Located in Middletown Township, this 104-acre property is at the Old Mill Pointe development. Environmental investigations took place as a result of the discovery of a former burn area measuring 70 feet by 48 feet. Contaminants of concern were antimony, arsenic, beryllium, copper, lead and nickel. Remediation of the area resulted in the excavation and proper disposal of 146.92 tons of metal-contaminated soils. Site soils were remediated to meet the residential statewide health standard. The final report was approved April 20, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Erie County — Country Fair 39 Northwest Region

Located in Girard Township, this former convenience store and refueling facility underwent remediation for soil and groundwater contamination. Obvious soil and groundwater contamination were encountered, and a geoprobe and monitoring wells were used to remediate the groundwater and soil to meet the statewide health standard. The final report was approved March 25, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Erie County — Mike's Motor Service Northwest Region

Located in Erie City, this site underwent remediation for soil contamination. The contaminants of concern were caused by three underground gasoline tanks and one underground diesel tank. Localized soil contamination was encountered and removed during excavation. A total of 46.93 tons of contaminated soil were excavated and sent to Lake View Landfill to meet the statewide health standard for all constituents. The final report was approved March 18, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Erie County — Northeast Borough Building Northwest Region

Located in Northeast Borough, this site, which consists of a municipal police department and maintenance offices, underwent remediation for soil contamination. Approximately 18 tons of contaminated soil were excavated and properly disposed of. Site soils met the statewide standard. The final report was approved March 31, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Erie County — Pine Avenue Auto Sales Northwest Region

Located in Erie City, this former auto sales facility underwent remediation for soil contamination. The contaminant of concern was from a 550-gallon used motor oil UST. Approximately 26 tons of contaminated soil were excavated and properly disposed of. The soil was remediated to meet the statewide health standard for soil. The final report was approved May 4, 1999. Contact Jack Ashton, DEP, (814) 332-6648.

Fayette County — Tom Morris Residence Southwest Region

Located in Perry Township, this residential property underwent remediation for soil contamination caused by a hole in one of two ASTs. Approximately 150 gallons of virgin kerosene fuel oil were released into the soil. Cleanup consisted of the demolition of the house (planned prior to the incident) and excavation of the impacted soils and concrete from the foundation to bedrock. Site soils were remediated to meet the site-specific standard. The final report was approved October 22, 1998. Contact John Matviya, DEP, (412) 442-4091.

Franklin County — Grove North America Division Kidde Industrial Inc. Southcentral Region

Located in Antrim Township, Grove North America manufactures construction equipment. The site underwent remediation for VOC contamination in the soil of the former solvent recovery area. The statewide health standard for soil was attained October 13, 1998. The site will continue operating as a manufacturer of construction equipment. Contact Patricia Romano, DEP, (717) 705-4866.



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Juniata County — PP&L Thompsontown Substation Southcentral Region

Located on less than one acre in Thompsontown Borough, this site was remediated as part of a Multi-Site Agreement between the department and PP&L. The site was remediated to the statewide health standard and the final report received approval March 2, 1999. Contact Patricia Romano, DEP, (717) 705-4866.

Lackawanna County — Plainwell Tissue Northeast Region

Located in Ransom Township, this site underwent remediation for soil contamination. Contaminated soil and two 20,000-gallon heating oil tanks were removed from the facility, formerly known as Pope and Talbot. The soil was remediated to meet the statewide health standard and the final report received approval October 9, 1998. Contact Gerry Olenick, DEP, (570) 826-2498.

Lackawanna County — PP&L Central City Substation Northeast Region

Located in Scranton, this several-thousand-square-foot site underwent remediation for soil contamination. The contaminant of concern was PCB oil. Site soil was remediated to meet the statewide health standard. The final report was approved April 29, 1999. Contact Gerry Olenick, DEP, (570) 826-2498.

Lackawanna County — PP&L Poles Northeast Region

Four pole sites underwent remediation for soil contamination. The contaminants of concern were residual PCBs present as a result of past transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Robert Gadinski, DEP, (570) 826-2398.

Lancaster County — Alcoa Lancaster Works Red Rose Commons Southcentral Region

Located in Lancaster City, this 50-acre inactive industrial site underwent remediation for soil contamination. The contaminants of concern were VOCs and petroleum products. Site soils were remediated to meet the statewide health standard. Verification samples were taken to address Pre-Act 2 remediation activities. The final report was approved July 21, 1998. A power center (mall) will be constructed at this site. Contact Steve Shank, DEP, (717) 705-4841.

Lancaster County — Elizabethtown Waste Water Treatment Plant Southcentral Region

Located in Elizabethtown Borough, this site underwent remediation for soil contamination. During the removal of two USTs, soil contamination was observed. The USTs and 15 tons of contaminated soil were excavated and disposed of. The soils met the statewide health standard and the final report was approved October 29, 1998. Contact Cherie Campbell, DEP, (717) 705-4848.

Lancaster County — Funk Brothers Inc. Southcentral Region

Located in Washington Borough, this site underwent remediation for soil contamination. During the removal of three USTs, soil contamination was observed. The contaminated soils were excavated and properly disposed of. The soils met the statewide health standard and the final report was approved June 17, 1998. Contact Cherie Campbell, DEP, (717) 705-4848.

Lancaster County — Golden Triangle Shopping Center Southcentral Region

Located in Manheim Township, this site, a former gas station, underwent remediation for soil contamination. Approximately 1,900 cubic yards of soil contaminated with BTEX have been remediated, and the groundwater is slated to be remediated to a site-specific standard. The final report for remediation of the site's soils to the statewide health standard was approved August 6, 1998. This site will be reused for commercial development. Contact Steve Shank, DEP, (717) 705-4841.

Lancaster County — Lancaster Airport Southcentral Region

Located in Manheim Township, this site underwent remediation for soil contamination. During the removal of two aviation gasoline USTs, localized soil contamination was observed. The USTs and 25 tons of contaminated soils were excavated and disposed of. The soils met the statewide health standard and the final report was approved July 28, 1998. Contact Cherie Campbell, DEP, (717) 705-4848.

Lancaster County — Lancaster Leaf Tobacco Co. of Pennsylvania Inc. Southcentral Region

Located in Lancaster City, this site underwent remediation for soil contamination. The contaminants of concern were PCBs. Within 90 days of the spill, 100 square feet of site soils were

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remediated, meeting the statewide health standard. The final report was approved May 21, 1999. Contact Patricia Romano, DEP, (717) 705-4866.

Lancaster County — Moats Service Center Southcentral Region

Located on less than one acre in Providence Township, this former service station was remediated to the statewide health standard. The final report for this site was approved June 3, 1998. The relief from liability will enable the former owner to sell the site. Contact Steve Shank, DEP, (717) 705-4841.

Lancaster County — PP&L Poles Southcentral Region

Three pole sites in Lancaster County underwent remediation for soil contamination. The contaminants of concern were residual PCBs present as a result of past transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Patricia Romano, DEP, (717) 705-4866.

Lancaster County — Sholmartin's Garage Southcentral Region

Located in West Cocalico Township, this site underwent remediation for soil contamination. Following the removal of a leaded gasoline UST, soil contamination was observed. The UST was removed in 1994, and in 1998, 130 tons of contaminated soil were excavated and disposed of. The soils met the statewide health standard and the final report was approved December 29, 1998. Contact Cherie Campbell, DEP, (717) 705-4848.

Lancaster County — Steffy Florists Southcentral Region

Located in East Hempfield Township, this site underwent remediation for soil contamination. During the removal of an unregulated gasoline tank, soil contaminated with unleaded gasoline was observed. The contaminated soil was excavated and disposed of. The soils met the statewide health standard and the final report was approved February 11, 1999. Contact Cherie Campbell, DEP, (717) 705-4848.

Lawrence County — Frenz Petroleum (Spill State Route 422) Northwest Region

Located in Slippery Rock Township, this site underwent remediation for both groundwater and soil contamination after a tanker truck wrecked, carrying 5,000 gallons of diesel fuel. The contaminant of concern was fuel that was drained by an unnamed first

stream on the rainy night of the accident. Bioremediation was used on the soil and a groundwater recovery trench was used on the water to meet the statewide health standard. The final report was approved March 2, 1999. Contact Anita Stainbrook, DEP, (814) 332-6121.

Lebanon County — Atlantic A Plus 0364 0679 (Formerly) Southcentral Region

In April 1999, Sun Company Inc. attained the statewide health standard for BTEX in soil and the statewide health standard for BTEX, MTBE, naphthalene and cumene in groundwater for a non-use aquifer/residential area at this former Atlantic service station facility in Lebanon City. During post-closure interim soil remediation activities, approximately 20 tons of unleaded gasoline-impacted soil were excavated and properly disposed of. Contact Bill Noll, DEP, (717) 705-4838.

Lebanon County — Mario Beneito Estate Southcentral Region

In June 1998, the Mario Beneito Estate in East Hanover Township attained the statewide health standard for soil. During the removal of regulated storage tanks, 112 tons of leaded gasoline-impacted soil were excavated and properly disposed of. Confirmatory soil sampling established the success of the small-scale cleanup. Contact Bill Noll, DEP, (717) 705-4838.

Lebanon County — Mount Gretna Borough Southcentral Region

In December 1998, the Mount Gretna Borough Fuel Facility in Mount Gretna Borough attained the statewide health standard for soil. During the removal of a regulated tank, 46 tons of unleaded gasoline-contaminated soil were excavated and properly disposed of. Contact Bill Noll, DEP, (717) 705-4838.

Lebanon County — Roy E. Miller Inc. Southcentral Region

The Roy E. Miller Inc. facility is a four-acre site in Palmyra Borough that has a history as a coal-gasification plant. In October 1996, the department closed the case with respect to soil issues that had stemmed from documented impacts of 1998, this facility attained the statewide health standard in groundwater for benzene, ethyl benzene and xylene, and the site-specific standard in groundwater for toluene. Roy E. Miller Inc. undertook the excavation and proper disposal of 1,462 tons of soil at Clean Rock Industries in Maryland. Confirmatory soil sampling

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had established the success of the large-scale excavation effort. Contact Bill Noll, DEP, (717) 705-4838.

Lehigh County — Bethlehem Iron Works Northeast Region

Located in Salisbury Township, this 54-acre former steel fabrication plant underwent remediation for both soil and groundwater contamination. Groundwater and more than 11,500 cubic yards of soil were contaminated by solvents and other paint-related wastes. Site soils and groundwater were remediated through excavation and removal, or bioremediated and returned to the site. Groundwater was remediated with a pump-and-treat system to meet the statewide health standard. Contact Robert Gadinski, DEP, (570) 826-2398.

Lehigh County — PP&L Poles Northeast Region

Eleven pole sites in Lehigh County underwent remediation for soil contamination. The contaminants of concern were residual PCBs present as a result of past transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Robert Gadinski, DEP, (570) 826-2398.

Lehigh County — Solarek Property Northeast Region

Located in Allentown, this site underwent remediation for soil contamination caused by an overfill during a home heating oil fuel delivery. The soil was remediated to meet the statewide health standard. The final report for soil was approved November 4, 1998. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Luzerne County — Addy Asphalt Co. Northeast Region

Located in Wilkes-Barre, this site underwent remediation for soil contamination. The contaminant of concern was PHC, discovered during a site characterization. Site soil was remediated to meet the statewide health standard. The final report was approved April 5, 1999. Contact Robert Gadinski, DEP, (570) 826-2398.

Luzerne County — PP&L Buttonwood Substation Northeast Region

Located in Hazleton, this several-hundred-square-foot site underwent remediation for soil contamination. The contaminant of concern was PCB oil. Site soil was remediated to

meet the statewide health standard. The final report was approved December 21, 1998. Contact Gerry Olenick, DEP, (570) 826-2498.

Luzerne County — PP&L Pole Northeast Region

One pole site in Luzerne County underwent remediation for soil contamination. The contaminants of concern were residual PCBs present as a result of past transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2498.

Luzerne County — PP&L Sullivan Trail Substation Northeast Region

Located in Exeter Township, this several-hundred-square-foot site underwent remediation for soil contamination. The contaminant of concern was PCB oil. Site soil was remediated to meet the statewide health standard. The final report was approved December 21, 1998. Contact Gerry Olenick, DEP, (570) 826-2498.

Lycoming County — PP&L Poles Northcentral Region

Two pole sites in Lycoming County underwent remediation for soil contamination. The contaminants of concern were residual PCBs that were present as the result of historic transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Vu Tran, DEP, (570) 327-3721.

Mifflin County — Hilltop Laundry Southcentral Region

Located in Lewistown Borough, this site underwent remediation for soil contamination. The soil was impacted with gasoline constituents released from former underground gasoline tanks located at the facility. The site attained the statewide health standard for soil through the excavation and disposal of 200 cubic yards of soil. The site is currently a laundry facility and is being sold for continued use as such. The final report was approved June 23, 1999. Contact Robin Yerger, DEP, (717) 705-4887.

Montgomery County — AVO International Inc. Southeast Region

Located in Plymouth Township, this 8-acre site underwent remediation for soil contamination associated with a UST. In 1991, a 10,000-gallon heating oil UST was closed in place.

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Results of soil borings conducted as part of the closure indicated the presence of fuel-related compounds in the soil. In 1998, further investigation of site soils resulted in the excavation and disposal of the UST along with 850 cubic yards of petroleum-contaminated soils. Site soils were remediated to the residential statewide health standard. The final report for soils was approved April 6, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Collegeville Associates, LP Southeast Region

This 13.6-acre parcel in Collegeville Borough is the location of Collegeville Shopping Center. Four detached buildings, a bank, a McDonald's and two multi-tenant retail buildings are located on the property. Harvard Cleaners and two former gasoline service stations, located in the area of the present McDonald's, were areas of concern. An investigation of the soil and groundwater in these areas was conducted. No contamination was found associated with the cleaners, and petroleum constituents were detected in the soil and groundwater at insignificant levels, far below the residential statewide health standard. The final report was approved February 16, 1999. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — East Norriton Shopping Center Southeast Region

Located in East Norriton Township, this site underwent remediation for both soil and groundwater contamination. Formerly Bunky's Bar-B-Que Restaurant, this site had been vacant for approximately 20 years. The former restaurant was demolished and the site is currently being developed for a new restaurant as part of the East Norriton Crossing Shopping Center Project. During an excavation of fill material as part of the new development, groundwater and soil that appeared to have been contaminated with petroleum products were encountered at the bedrock/groundwater interface with fill material. The contamination is believed to have come from an off-site source, as nearby gasoline stations, a former service station and a catering operation have all had reported releases of regulated substances. Soils not reused on site were excavated and properly disposed of, and an impervious cap will cover the majority of the site. Site soils were remediated to the statewide health standard and groundwater met the background standard. The final report for soils and groundwater was approved April 21, 1999. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — Elf Atochem North America (Technical Center) Southeast Region

Located in Upper Merion Township, the former owners of this property, the Penwalt Corp., had disposed of laboratory chemicals in trenches on site. In 1987, the trenches and contaminated soil were excavated and removed from the site for disposal. Elf voluntarily began an extensive soil and groundwater investigation in 1993. A total of 19 trenches and 16 soil borings, dug to depths of 20 feet, showed no contamination above the statewide health standard. The groundwater on site will be monitored. The report was approved October 23, 1998. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — Estate of George Hutt Jr. Southeast Region

Located in Worcester Township, this 15-acre property was used for agricultural purposes until the early 1990s. A horse transport company also operated on site and vehicle maintenance was performed in the garage area. Cleanup was spurred by the retention of an environmental consulting firm by a prospective buyer, after the executor of the estate decided to divest the property. Results of 19 soil samples on this property concluded that arsenic and limited amounts of lead existed on the property adjacent to a drainpipe leading from the southern end of the garage. Cleanup actions included excavation, transportation and proper disposal of approximately 113 tons of impacted soils. The cleanup met the statewide health standard for soil and the final report was approved July 16, 1998. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — James A. Stimmler Inc. Loading Rack Southeast Region

Located in Worcester Township, this former bulk petroleum storage plant underwent remediation for soil contamination. Petroleum constituents were found in the soil in the vicinity of a former gasoline UST system and a fuel oil loading rack. Remediation consisted of excavating and disposing of approximately 260 tons of petroleum-impacted soils to meet the residential statewide health standard. The final report was approved April 20, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Korman Co. Southeast Region

Located in West Norriton Township, this site underwent remediation for soil contamination associated with USTs. In 1995, three heating oil USTs were removed at the Marshall Woods Apartment

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Complex. During excavation of one of the tanks, a pipe was broken resulting in soil contamination. Approximately 800 tons of impacted soils were excavated due to PHC contamination. Site soils and groundwater met the residential statewide health standard. The final report was approved September 15, 1998. The property will remain in use as an apartment complex. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — Melody Dry Cleaners Southeast Region

Located in Cheltenham Township, this former dry cleaner underwent remediation for soil contamination after the removal of two 550-gallon heating oil USTs. The contaminants of concern resulted from improper disposal of dry cleaning solvents. More than 70 tons of stained soils were excavated to meet the site-specific standard for soils. The final report was approved September 11, 1998, and the property is to be sold to the neighboring Produce Junction. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — Montgomery Equities Inc. Southeast Region

This 14.86-acre site in Plymouth Township was initially part of a 19.35-acre property that a court order divided into two separate lots in 1980. The land was divided into Property A, which surrounds the site, and Property B, which is adjacent to the site. A disposal pit, reportedly used for the disposal of liquids before 1965, is located on Property B. The court ordered this division of land to enable residential development of Property A, while the environmental condition of Property B was evaluated. A characterization of the site was executed to look at the potential impact of release from a drainage swale that originates on Property B and crosses over a section of Property A. Four sediment samples were collected from the swale on site and three surface soil samples were taken from the areas next to the site's boundary with Property B. Analysis of the samples detected semi-volatile organic compounds, pesticides, PCBs, metals and cyanide. No remediation was required because results of the sampling met with the residential statewide health standard for Act 2. Montgomery Equities was granted a relief from liability under Act 2 for the soils located along the boundary of Property B and sediments located in the on-site swales. The site has remained undeveloped and unused since 1980. The final report was approved May 27, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — National Label Co. Southeast Region

Located in Whitemarsh Township, this 104-acre property, known as the Upper Spring Mill Basin, was backfilled with dredgings from the Schuylkill River that were pumped to the area. The site was owned by DEP when the National Label Co. inquired about cleaning up and purchasing the property. Five areas of concern were identified and characterized at the property. DEP issued a relief from liability for the selected areas and the final report was approved August 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — New Life Youth and Family Services Southeast Region

Located in Lower Salford Township, this site underwent remediation for both soil and groundwater contamination after a 6,000-gallon fuel oil tank was removed. The tank had leaked, impacting the subsurface soil and groundwater. All impacted soil was excavated and properly disposed of. Site soil and groundwater were remediated to meet the statewide health standard. The final report was approved March 30, 1999. Contact Thomas Canigiani, DEP, (610) 832-5926.

Montgomery County — One Man Quarry Southeast Region

Located in Worcester Township, this 30-acre lot held refinery petroleum sludge from the former Atlantic Richfield South Philadelphia refinery. Approximately 8,000 cubic yards of the site soil was contaminated by the sludge. Site soil was remediated through excavation and disposal to meet the statewide health standard. The final report was approved January 28, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — One Montgomery Plaza Southeast Region

Located in Norristown Borough, this site is an existing parking lot to the rear of an office complex in downtown Norristown. The complex has been a commercial office building since the 1960s. The failure of a transformer that borders the Montgomery Plaza lot released oil that contained PCBs, contaminating the soil beneath the parking lot. In order to comply with standards, 625 tons of PCB-contaminated soils were excavated and properly disposed of. Site soils were remediated to the residential statewide health standard and the final report was approved October 6, 1998. The property will continue to be used for commercial purposes. Contact Alex Reyda, DEP, (610) 832-5927.

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Montgomery County — Oslou Corp. Southeast Region

Located in Lower Merion Township, this 0.3-acre site, used as a quarry for 40 years, underwent remediation for both soil and groundwater contamination. An investigation of site soils and groundwater led to the excavation and proper disposal of approximately 139 tons of diesel-impacted soils and the installation and sampling of three monitoring wells. The site was remediated to meet the statewide health standard. The final report was approved May 17, 1999. Contact Sarah Pantelidou, DEP, (610) 832-6164.

Montgomery County — PP&L Poles Southeast Region

Two pole sites in Montgomery County underwent remediation for soil contamination. The contaminants of concern were residual PCBs that were present as a result of historic transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Proietto Residence Southeast Region

Located in Conshohocken Borough, this 3.9-acre site was once used to store waste oil and other waste substances in tanks, drums and tankers. The property owners have been issued several violations since 1982 for such offenses as the improper storage of waste oil, a purported 12,000-gallon waste oil discharge to surface and the disposal of gasoline-contaminated soil. In February 1994 and August 1998, investigations to evaluate the existing and potential area of contamination took place. In August 1998, a series of test pits were used to delineate contamination detected during past investigations. Contamination in the soil was below the nonresidential statewide health standard; therefore no remediation was required. The final report was approved May 5, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Reiniger Brothers Inc. Southeast Region

Located in Upper Moreland Township, this 9-acre site once was home to an agricultural nursery with associated greenhouses and ancillary buildings. The site underwent remediation for soil contamination due to the lead, arsenic and dieldrin found in the soil. Approximately 11,700 tons of contaminated soils were excavated, removed and properly disposed of. Site soils met the residential statewide health standard. The final report was approved June 17, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Rhoads Metals Fabrication and Maintenance Services Inc. Southeast Region

Located in Lower Moreland Township, this former National Glass facility had three areas of concern: a former septic leach field, a diesel tank dispenser island and a former disposal lagoon. Two 5,000-gallon heating oil USTs were excavated and one 10,000-gallon heating oil UST was closed in place. In 1997, Rhoads Metals Fabrication purchased the property from CoreStates Bank. Further investigation proved the former lagoon area was not part of the Rhoads property. The department issued an Act 2 relief from liability after testing showed soils met the statewide health standard. The final report was approved July 1, 1998. Contact Pamela Reigh, DEP, (610) 832-5929.

Montgomery County — Spring Mill Estates North Parcel Southeast Region

Located in Upper Providence Township, this 24-acre former fruit orchard underwent remediation for soil contamination. Constituents of concern were dieldrin and arsenic, common pesticides. Soil samples were collected and analyzed. All samples showed no remediation was necessary to meet the residential statewide health standard. The final report was approved May 26, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Tower Bridge North 6 Southeast Region

Located in Conshohocken Borough, this 9.83-acre former industrial site was tested for the contamination of both soil and groundwater. All samples indicated levels below the statewide health standard and the area was afforded liability protection under Act 2 for soil and groundwater. The final report was approved December 24, 1998. Future plans include the construction of office buildings, a hotel, parking facilities and other amenities. Contact James Burke, DEP, (610) 832-6151.

Montgomery County — Trust of Samuel H. Keiser Southeast Region

This property in Pottstown Borough was formerly occupied by Keiser Chevrolet and operated as a car dealership. Dames Chevrolet currently leases the property from the Trust of Samuel H. Keiser. During the permanent closure of a 1,000-gallon heating oil UST, petroleum-impacted soils were discovered. Contamination appeared to be very localized. The UST and approximately 42 tons of petroleum-impacted soils were removed and properly disposed of. All eight post-remediation

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sampling points tested non-detect for heating oil constituents, thus affording the property liability protection under Act 2 for the residential statewide health standard for soil. This site will remain in use as a used car lot. The final report was approved June 10, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Montgomery County — Van Buren Associates, LP Southeast Region

Located in Norristown Borough, this 15.3-acre parcel of land is within the Commodore National Priorities List (NPL) site. The 140-acre Commodore site is NPL-ranked due to its groundwater contaminant plume of dissolved chlorinated solvents. The 246,700-square-foot Van Buren property office building lies 650 feet southwest of the formerly contaminated area. Van Buren Associates contended that their property was not a source of the groundwater contamination, and after sampling at various groundwater monitoring wells, their assertion proved correct. Van Buren Associates received a relief from liability under Act 2 for the background standard for groundwater. The final report was approved May 29, 1999. Contact James Burke, DEP, (610) 832-6151.

Montgomery County — Vilsmeier Auction Co. Southeast Region

Located in Horsham Township, this commercial- and industrial-zoned site underwent remediation for soil contamination in the area of a former 2,000-gallon UST. The contaminant of concern was petroleum. A total of 15 tons of impacted soil were excavated and disposed of to meet the statewide health standard. The final report was approved January 22, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Northampton County — Bethlehem Works Northeast Region

Located in Bethlehem, this 160-acre site was home to the Bethlehem Steel Corp. and the location of its heavy steel beam manufacturing. The site was remediated under the site-specific standard with the contaminants of concern being heavy metals and petroleum products normally associated with steel mills. Excavation and removal of contaminated soil, removal of petroleum products and pathway elimination were conducted at the site. Final approval was given May 5, 1999. Three buildings on this site will be used by the Smithsonian Institution as a National Museum of Industrial History. Lehigh University has already converted another building to a SMART Discovery Center. Sport, restaurant and retail facilities are also planned for the site. Contact Robert Gadinski, DEP, (570) 826-2398.

Northampton County — Dorothy Teel Residence Northeast Region

Located in Upper Mount Bethel Township, this residential property underwent remediation for soil and water contamination. The contaminant of concern was home heating oil fuel that leaked through the basement of the residence. Site soil and water were remediated to meet the statewide health standard. The final report was approved January 14, 1999. Contact Kevin Walker, DEP, (570) 820-4856.

Northampton County — Edward Hill Property Northeast Region

Located in Lower Saucon Township, this site underwent remediation for soil contamination. The contaminants of concern, arsenic and dieldrin, resulted from past applications of pesticides as part of agricultural operations. Site soil was remediated with in-situ mechanical dicking/subsoiling to meet the statewide health standard. The final report was approved March 25, 1999. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Northampton County — Fred J. Wirth Residence Northeast Region

Located in Wilson Borough, this residential property underwent remediation for soil contamination. The contaminant of concern was home heating oil that entered the soil after a piece of foundation wall broke off and caused damage to the fuel line between the AST and the furnace. Site soil was remediated to meet the statewide health standard. The final report was approved November 30, 1998. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Northampton County — James Meilinger Property Northeast Region

Located in Bethlehem Township, this site underwent remediation for soil contamination. The contaminant of concern was lead from a metal fabrication operation. Site soil was remediated by excavation and disposed of to meet the statewide health standard. The final report was approved March 18, 1999. Contact Gerry Olenick, DEP, (570) 826-2498.

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Northampton County — Lafarge Corp. (Lot 3) Northeast Region

Located in Northampton Borough, this 27-acre site underwent remediation for groundwater contamination. The contaminants of concern were lead, PHCs and polyaromatic hydrocarbons (PAHs) due to a fuel oil release from a 16,000-gallon tank. Site groundwater was remediated to meet the statewide health standard. The final report for groundwater was approved July 9, 1998. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Northampton County — PP&L Pole Northeast Region

One pole in Northampton County underwent remediation for soil contamination by residual PCBs resulting from past transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2498.

Northumberland County — Bituminous Emulsion Co. Northcentral Region

Located in Point Township in a heavily industrialized area, this approximately 1-acre site underwent remediation for soil contamination. Site investigations conducted in the mid-to-late 1980s identified PCBs in the soil that resulted from past handling and disposal of PCB-contaminated oil from the adjacent Bituminous Emulsion plant. Site soils were remediated to meet the site-specific cleanup standard. The remedial option selected for the soils included the construction of an asphalt cap that can be subsequently utilized for parking and/or storage. The final report was approved May 29, 1998. Contact Larry Newcomer, DEP, (570) 327-3418.

Northumberland County — USA Waste Management Northcentral Region

Located in West Chillisquaque Township, this area along Route 147 underwent remediation for soil contamination when a USA Waste Management vehicle was involved in an accident. The contaminant of concern was diesel fuel that was discharged to the surface. North Ridge Site Management Inc. responded and excavated approximately 32 tons of diesel-impacted soil to meet the statewide health standard. The final report was approved November 20, 1998. Contact Larry Newcomer, DEP, (570) 327-3418.

Philadelphia County — 18th and Callowhill Streets Southeast Region

Located in Philadelphia, large electrical transformer manufacturing operations once occurred on this now-vacant site. The site has been subject to on-going remediation; in the early 1980s, excavation and off-site disposal of contaminated soil and concrete were performed under EPA oversight. A later cleanup removed the former concrete slab floor that covered the entire site, four USTs and more than 2,200 tons of PCB-contaminated materials. PCB contamination occurred through spillage and overflow piping from the tanks. The most recent remediation at the site involved removing three more storage tanks and about 35 cubic yards of impacted soils. Additionally, another heavily-impacted area was discovered on site, resulting in the excavation of another UST and more than 2,100 tons of soil. Site soils were remediated to meet the statewide health standard. The final report for soils was approved February 24, 1999. Future plans include constructing a small commercial retail building and parking lot, improving the center city landscape and providing new jobs. Contact Chris Falkler, DEP, (610) 832-5930.

Philadelphia County — Blue Ribbon Enterprise Inc. Southeast Region

Located in Philadelphia, this commercial site underwent remediation for soil contamination associated with a UST. Prior to 1989, a 3,000-gallon heating oil UST and a 10,000-gallon leaded gasoline UST were taken out of service, removed and filled with sand. In 1998, further investigation of site soils resulted in the excavation of 140 tons of petroleum-contaminated soils. Site soils were remediated to the residential statewide health standard. The final report for soils was approved March 12, 1999. The site will continue to operate as an office and distribution facility. Contact Alex Reyda, DEP, (610) 832-5927.

Philadelphia County — Dodge Steel Castings Southeast Region

Located in Philadelphia, this 19-acre former industrial property underwent remediation for soil contamination. The contaminants of concern were lead and arsenic. Site soils were remediated to the nonresidential statewide health standard. The final report for soils was approved September 1, 1998. Plans include the development of a shopping center and a movie theater complex. Contact Alex Reyda, DEP, (610) 832-5927.



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Philadelphia County — National Brands Distribution Southeast Region

Located in Philadelphia, this 3.9-acre site consists of 60,000-square-feet of commercial warehouse space. The site, purchased by Allen Brothers in 1998, underwent remediation for soil and groundwater contamination. Following the removal of a 4,000-gallon heating oil UST, it was discovered that a leak from the tank had contaminated soils to a depth of eight feet below surface grade. Contaminated soils were excavated and properly disposed of. After demonstrating that the statewide health standard had been met for the specified contaminants in soil and groundwater, the final report was approved May 7, 1999. Contact Bruce McClain, DEP, (610) 832-6172.

Philadelphia County — National Publishing Co. Southeast Region

Located in Philadelphia, this former site of the National Publishing Co. is being redeveloped. Testing indicated that site soils posed no ecological concern or potential for surface water impact and the final report was approved June 9, 1999. Contact Chris Falkler, DEP, (610) 832-5930.

Philadelphia County — One and Olney Square Shopping Center Southeast Region

Located in Philadelphia, this 32-acre property, formerly used in manufacturing operations, underwent the conduction of 21 surface and subsurface borings. No further remediation was necessary, but an asphalt surface must be maintained to prevent direct contact with soils. Conditions at the site warranted a relief from liability because the statewide health standard for soil and groundwater and the site-specific standard for groundwater were achieved. The final report was approved June 26, 1998. Contact James Burke, DEP, (610) 832-6151.

Philadelphia County — PECO Energy Germantown Service Facility Southeast Region

This property in Philadelphia contains two contiguous parcels of land of 1.24-acres and 1.61-acres. The parcels are bordered primarily by residential properties with some interspersed commercial and industrial sites. The PECO site was formerly occupied by a service building that was used as a base for operations and storing equipment. An initial site characterization in 1994 identified surface soil staining and elevated concentrations of PHCs at two locations in the subsurface soil. Several test pits were excavated and sampled, with results indicating the presence

of diesel range organics. Cleanup activities included the excavation and removal of contaminated soils for disposal via thermal treatment. Soil sampling involved collecting eight samples from the base and sidewalls of each of the two excavated areas. Post-remedial sampling indicated that both areas were successfully cleaned to the nonresidential statewide health standard. The final report was approved June 1, 1999. Contact Chris Falkler, DEP, (610) 832-5930.

Philadelphia County — Pennsylvania College of Optometry Southeast Region

This site in Philadelphia was previously operated as an educational facility for the Pennsylvania College of Optometry. The site is currently operated by the college as "The Eye Institute," a full-service eye care facility. The area of concern is an excavation associated with the removal of two 12,000-gallon heating oil USTs. An excavation of a 2,000-gallon UST exhibited no contamination and required no remediation. Upon removal of the larger USTs, a small amount of soil contamination was discovered that appeared to have extended no further than three feet from the tanks. Approximately 80 tons of contaminated soils were excavated, stockpiled and properly disposed of. After sampling results indicated that the residential statewide health standard for heating oil constituents had been attained, the area was backfilled and paved and a relief from liability was granted under Act 2. The final report was approved June 14, 1999. Contact Alex Reyda, DEP, (610) 832-5927.

Philadelphia County — Philadelphia Industrial Correction Center Southeast Region

Located in Philadelphia, this site underwent remediation for soil contamination after a release was observed in the proximity of tank piping as it entered a maintenance building. The site was investigated and remediation of contaminated soils associated with the removal and replacement of two 25,000-gallon fuel oil USTs took place. Approximately 800 tons of petroleum-contaminated soils were removed and properly disposed of to meet the residential statewide health standard. The final report was approved May 12, 1999. Contact Ayman Ghobrial, DEP, (610) 832-5923.

Philadelphia County — Progress Lighting Southeast Region

This 18-acre site in Philadelphia is immediately surrounded by industrial and commercial facilities. Connected, multi-level brick and concrete buildings, divided into office, storage and former manufacturing areas, are present on site. Currently, Stormin Realty uses this facility for office and warehousing purposes. Extensive site characterization and remediation activities occurred

Completed Site Descriptions

at this site between 1992 and 1997, much of which was completed by the former owners of the property, Progress Lighting. Characterization activities included soil sampling, monitoring well installation and groundwater sampling. The results indicated the presence of VOCs, hydrocarbons and other contaminants in soil and groundwater. Remedial activities included the removal of USTs, impacted soils, former manufacturing/waste water treatment equipment, free petroleum product from the oil pump room and the decontamination of impacted site structures. The site-specific standard was achieved for soil and groundwater within the specified areas, thus affording the site liability protection under Act 2. A change in usage may require additional cleanup. The final report was approved June 6, 1999. Contact Chris Falkler, DEP, (610) 832-5930.

Philadelphia County — Xpress Lube Southeast Region

Previously a gasoline station, this 0.3-acre site in Philadelphia is home to Xpress Lube, an automobile oil-change facility. The site soil and groundwater have been found to be impacted with petroleum due to historic releases from USTs removed in 1987. A non-use aquifer underlies the site as defined under Act 2 regulations. When tested, BTEX, MTBE and naphthalene meet the applicable statewide health standard for groundwater. On December 22, 1998, the final report was approved, granting Xpress Lube liability protection for groundwater under Act 2. Contact Ayman Ghobrial, DEP, (610) 832-5923.

Schuylkill County — Antaloski Property Northeast Region

Located in Frackville Borough, this site underwent remediation for soil contamination. The contamination occurred during a delivery of home heating oil. The soil of the two contiguous residential properties was remediated to meet the statewide health standard. The final report was approved October 1, 1998. Contact Gerry Olenick, DEP, (570) 826-2498.

Schuylkill County — ICI Explosives USA Inc. Northeast Region

Located in Walker Township, this 663-acre site underwent remediation for both soil and groundwater contamination. The contaminants of concern were various metals, lead and PHCs resulting from industrial processes on site. Site soils and groundwater were remediated to meet the site-specific standard. The final reports for soils and groundwater were approved September 9, 1998. Act 2 relief will facilitate a Buyer/Seller Agreement. Contact Amy Randolph, DEP, (570) 826-2268.

Schuylkill County — PP&L (Oneida Substation) (Formerly) Northeast Region

Located in East Union Township, this several-thousand-square-foot area underwent remediation for soil contamination. The contaminant of concern was PCB oil. Site soils were remediated to meet the statewide health standard. The final report was approved January 4, 1999. Contact Robert Gadinski, DEP, (570) 826-2398.

Schuylkill County — Ray Brady Residence Northeast Region

Located in St. Clair Borough, this site underwent remediation for soil contamination. The contaminant of concern was heating oil that spilled into the basement of the residence during a conversion of the home heating system. Approximately 20 gallons of oil were remediated from the soil to meet the statewide health standard. The final report was approved May 27, 1999. Contact Kevin Walker, DEP, (570) 820-4856.

Washington County — Amcast/Flagg Brass Superior Valve Facility Southwest Region

Located in Chartiers Township, this site underwent remediation for soil contamination. Soil contamination to an on-site drywell was caused by indeterminate discharges of unused degreasing solvents. A 10,000-square-foot asphalt pavement was placed over the site to further reduce the chance of migration of contaminants off site. The final report was approved July 23, 1998. Contact John Matviya, DEP, (412) 442-4091.

Washington County — National Granulating Corp. Inc. Facility (Formerly) Southwest Region

Located in Washington City, this 11.5-acre former tire-recycling center underwent remediation for both groundwater and soil contamination after a fire in 1997. More than 25,000 tons and 1,200 drums of waste were removed, and three million gallons of contaminated water were treated. To meet the statewide health standard, 240 cubic yards of contaminated soils were excavated and properly disposed of. The final report was approved March 31, 1999. Contact John Matviya, DEP, (412) 442-4091.

Wayne County — Bruner Residence Northeast Region

Located in South Canaan Township, this residential property underwent remediation for soil contamination. The contaminant of con-

Completed Site Descriptions

cern was due to a spill of heating oil. Remediation through excavation of contaminated soils was used to meet the statewide health standard. The final report was approved November 9, 1998. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Wayne County — Haas Property Northeast Region

Located in South Canaan Township, this residential property underwent remediation for soil contamination. The contaminant of concern was due to a spill of heating oil from a neighboring property. Remediation via excavation of contaminated soils was used to meet the statewide health standard. The final report was approved November 9, 1998. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

Wayne County — PP&L Pole Northeast Region

One pole site in Wayne County underwent remediation for soil contamination. The contaminants of concern were residual PCBs that were present as the result of historic transformer malfunctions. Site soil was remediated to meet the statewide health standard. Contact Gerry Olenick, DEP, (570) 826-2498.

Westmoreland County — St. George Crystal Ltd. Southwest Region

This plant in Jeannette has been the location of various glass manufacturers since 1925 and is now a lead crystal manufacturer. Lead cullet was found to have been utilized as fill material throughout the site. Lead concentrations did not exceed the nonresidential direct contact statewide health standard, however they did exceed the soil to groundwater numeric value. The lead was found to be non-mobile, therefore St. George Crystal opted for a site-specific relief from liability and used pathway elimination (an asphalt cap) to further minimize migration. The final report was approved March 8, 1999. Contact John Matviya, DEP, (412) 442-4091.

Wyoming County — Linda Shoemaker Residence Northeast Region

Located in Lemon Township, this residential property underwent remediation for both soil and groundwater contamination. A total of 150 gallons of heating oil was spilled in the residence's basement, contaminating the soil and surface water in Lake Carey. Site soils and groundwater were remediated to meet the statewide health standard. The final report was approved February 18, 1999. Contact Cydney Faul-Halsor, DEP, (570) 830-3118.

York County — American Insulator Co. Southcentral Region

Located in New Freedom Borough, remediation at this 3.5-acre site occurred prior to Act 2. Recent sampling demonstrated that the remediated site met the statewide health standard. The final report for soils was approved November 2, 1998. Act 2 relief will facilitate the sale and redevelopment of this abandoned property. Contact John Clarke, DEP, (717) 705-4851.

York County — American Insulator Property (Formerly) Southcentral Region

Located in New Freedom Borough, this 3.5-acre former abandoned industrial site underwent remediation for soil contamination. The contaminants of concern were VOCs and petroleum products. Site soils were remediated to the statewide health standard and the final report received approval January 6, 1999. Future plans include residential development. Contact John Clarke, DEP, (717) 705-4851.

York County — Hess Exxon Southcentral Region

Located in Franklintown Borough, this former service station was purchased by the borough for reuse under the special industrial area designation. Site actions included the removal of storage tanks and a complete site characterization. The borough plans to reuse the site for office space and an open recreation area. Contact Robin Yerger, DEP, (717) 705-4887.

York County — Martin-Dubbs Residence Southcentral Region

Located in Dover Township, this 0.5-acre residence underwent remediation for soil contamination caused by a kerosene release from an AST. Site soils were excavated and remediated to meet the statewide health standard. The final report was approved July 28, 1998. Contact Robin Yerger, DEP, (717) 705-4887.

York County — Morris Residence Southcentral Region

Located in Dover Township, this residence underwent remediation for soil contamination caused by a leaking heating oil tank. Petroleum compounds were the contaminants of concern. Site soils were remediated to meet the statewide health standard and the final report received approval September 16, 1998. The Act 2 liability relief will facilitate a future sale of the residence and alleviate any current concerns about environmental obligations. Contact Steve Shank, DEP, (717) 705-4841.

Completed Site Descriptions

York County — Osram Sylvania Production Inc. Southcentral Region

Located in West Manchester Township, this site underwent remediation for soil contamination resulting from a leak in a drain line. The contaminant of concern was TCE. Site soils were remediated to meet a site-specific standard. The final report for soils was approved March 8, 1999. The facility will continue to operate as a manufacturing plant. Contact Patricia Romano, DEP, (717) 705-4866.

York County — Pepsi-Cola Operating Co. Southcentral Region

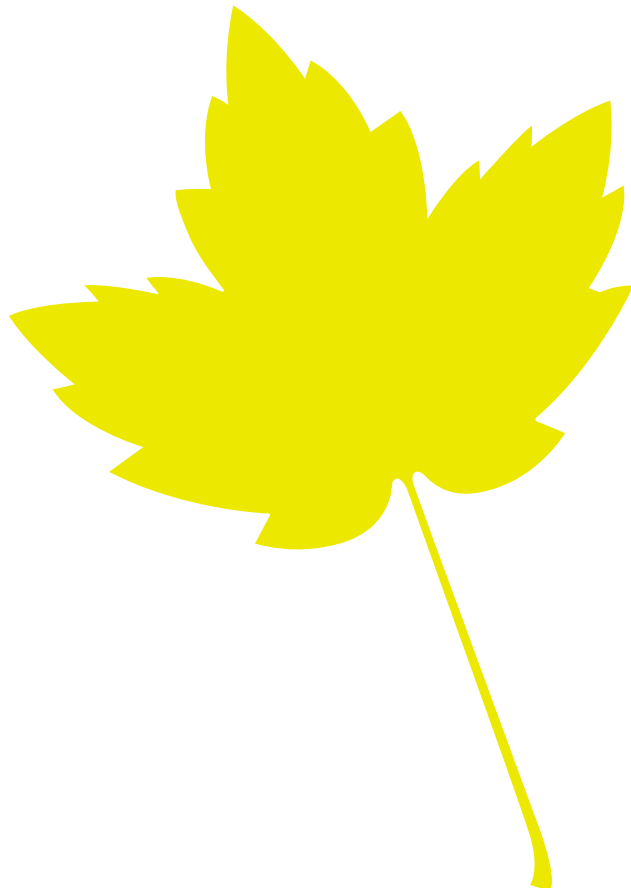
On July 22, 1998, Pepsi-Cola Co. in Spring Garden Township attained the statewide health standard for soil and groundwater. During the removal of regulated tanks, unleaded gasoline-contaminated soil and groundwater were encountered. An air sparging/soil vapor extraction system was deployed for approximately one year. Soil and groundwater sampling established the success of the focused cleanup effort. The 1.5-acre site was historically used as a warehouse/distribution center and office. Contact Bill Noll, DEP, (717) 705-4838.

York County — Woodmaster Products Southcentral Region

Located in Dallastown Borough, this site underwent remediation for soil contamination. During the removal of a storage tank, soil contaminated by gasoline was encountered. The storage tank and 23 tons of contaminated soil were removed and disposed of. The soils met the statewide health standard and the final report was approved November 12, 1998. Contact Robin Yerger, DEP, (717) 705-4887.

York County — York International-Grantley Facility Southcentral Region

Located in Spring Garden Township, this site underwent remediation for soil contaminated by heating oil. During the removal of a tank, a soil pile was created and treated on site with enhanced bioremediation. The soils met the statewide health standard and the final report received approval December 31, 1998. Contact Robin Yerger, DEP, (717) 705-4887.



Land Recycling Program Sites Appendix 2

Listed below are all sites that have given formal notice to participate in the Land Recycling Program since its inception in 1995. The keys below explain what type(s) of cleanup standard(s) each site has met or intends to meet and which sites have completed cleanup.

County	Name	Municipality	Type	Region
Adams	Gettysburg Railroad Yard (Formerly)	Gettysburg Borough	W	SC
Adams	Hamilton Twp Board of Supervisors	Hamilton Twp	W	SC
Adams	Hwy Express	Littlestown Borough	I	SC
Adams	Sun Pipeline Abbottstown	Berwick Twp	W	SC
Adams	U Haul 811 66 Gettysburg	Straban Twp	W	SC
Adams	Union Twp Municipal Bldg	Union Twp	W	SC
Adams	Way Wil Inc	Straban Twp	W	SC
Allegheny	Advanced Environmental Consultants Inc	Wilksburg Borough	W	SW
Allegheny	AMG Resources Neville Island	Neville Twp	W	SW
Allegheny	Bakerstown Facility (Exxon Co USA)	Richland Twp	W	SW
Allegheny	Beazer East Inc	Verona Borough	S	SW
Allegheny	Buncher Co	Pittsburgh	I	SW
Allegheny	Constantin Pontiac	Pittsburgh	W	SW
Allegheny	CSX Grant Street Station	Pittsburgh	W	SW
Allegheny	Damascus Bishop Tube Co	Munhall Borough	I	SW
Allegheny	Etna Industrial Park	Etna Borough	W	SW
Allegheny	Framesi-USA	Coraopolis Borough	W	SW
Allegheny	Gil Fischer Residence (Owned by Rolling Hills Vlg)	Elizabeth 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	W	SW
Allegheny	Lectromelt Corp Facility	Pittsburgh	I	SW
Allegheny	LTV Coke Plant Hazelwood	Pittsburgh	S	SW
Allegheny	LTV Steel (Southside Pittsburgh Wks)	Pittsburgh	S	SW
Allegheny	M&S Bldg Parking Lot	Pleasant Hills Borough	W	SW
Allegheny	Microbac Laboratories Inc	McCandless Twp	W	SW

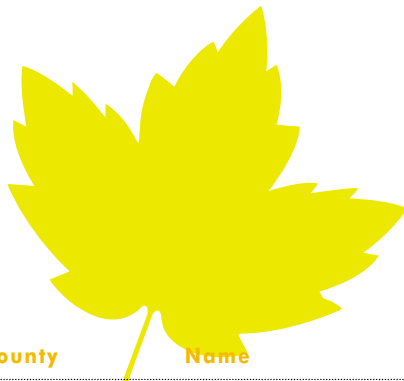
Regions: SE = Southeast SC = Southcentral SW = Southwest NE = Northeast NC = Northcentral NW = Northwest

Cleanup Type: B = Background I = Industrial S = Site-Specific W = Statewide

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

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Allegheny	Mobil Oil Corp Terminal 37-003 (Formerly)	McKees Rocks Borough	S	SW
Allegheny	PB&S Chemical Co Inc	McKeesport	W	SW
Allegheny	Papercraft Corp	O'Hara Twp	W	SW
Allegheny	Pennzoil Prod Co (54th Street Terminal)	Pittsburgh	S	SW
Allegheny	Pittsburgh International Airport Air Reserve Station	Moon Twp	W	SW
Allegheny	Pittsburgh International Airport	Moon Twp	W	SW
Allegheny	Portec Inc RMP Division	O'Hara 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	McKeesport	W	SW
Allegheny	Redevelopment Auth of the City of McKeesport (5th and Hartman)	McKeesport	W	SW
Allegheny	Redevelopment Auth of the City of McKeesport (Walnut Street)	McKeesport	W	SW
Allegheny	RIDC Center City of Duquesne	Duquesne	I	SW
Allegheny	RIDC Industrial Center of McKeesport	McKeesport	I	SW
Allegheny	Riverside Assoc Property	O'Hara Twp	B	SW
Allegheny	Sears Roebuck Automotive Center (Formerly)	Pittsburgh	W	SW
Allegheny	Shenango Inc	Neville Twp	S	SW
Allegheny	Spee-D Foodmart	Forest Hills Borough	W	SW
Allegheny	Tailgaters Parking LLC (Known as P&LE Davis Island)	Stowe Twp	W	SW
Allegheny	Teledyne Industries Inc	Rosslyn Farms Borough	S	SW
Allegheny	Trumbull Corp	West Mifflin Borough	W	SW
Allegheny	US Steel Shiffler (Formerly)	Pittsburgh	I	SW
Allegheny	West Rentals Inc	Neville Twp	W	SW
Allegheny	Westinghouse Air Brake Division	Wilmerding Borough	S	SW
Allegheny	Wilkinsburg Parking Auth Municipal 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
Beaver	Aliquippa Forge	Aliquippa Borough	I	SW
Beaver	Aliquippa Industrial Park	Aliquippa Borough	W	SW
Beaver	Ambridge Borough	Ambridge Borough	I	SW
Beaver	ARCO Chemical Co Beaver Valley Plant	Potter Twp	W	SW
Beaver	Ashland Chemical Co	Freedom Borough	W	SW
Beaver	Beaver County Detention Facility	Hopewell Twp	S	SW
Beaver	BET-Tech International Inc (Industrial Tract)	Aliquippa Borough	I	SW
Beaver	BET-Tech International Inc Parcels A1-A4 and D4	Aliquippa Borough	I	SW
Beaver	Economy Borough	Economy Borough	S	SW
Beaver	Legionville Hollow	Baden Borough	S	SW



Land Recycling Program Sites

County	Name	Municipality	Type	Region
Beaver	LTV Parcels S-2 (Formerly)	Aliquippa Borough	I	SW
Beaver	LTV Steel East Mills Disposal Area	Midland Borough	S	SW
Beaver	Marino Brothers Scrapyard	Rochester Borough	S	SW
Beaver	Morini Market (Formerly)	Koppel Borough	I	SW
Beaver	NF&M International	Monaca Borough	W	SW
Beaver	Pittsburgh Tube Co	Monaca Borough	W	SW
Beaver	PMAC Ltd	Beaver Falls	I	SW
Beaver	Special Metals Operations Babcock and Wilcox Co	Big Beaver Borough	S	SW
Beaver	Special Metals Operations Babcock and Wilcox Co	Big Beaver Borough	S	SW
Bedford	Standard Register Plant	Bedford Twp	W	SC
Berks	AT&T Tipton Mountain	Longswamp Twp	W	SC
Berks	Berks Prod Corp	Muhlenberg Twp	B	SC
Berks	Bernville Mfg	Bernville Borough	S	SC
Berks	Buck Run Road Property	South Heidelberg Twp	W	SC
Berks	Caloric Corp	Topton Borough	B	SC
Berks	Clarence H Heffner Property	Richmond Twp	B	SC
Berks	Conrad Weiser Homestead	Heidelberg Twp	W	SC
Berks	Conrail Right of Way	Richmond Twp	B	SC
Berks	Country Manor Estate	Alsace Twp	B	SC
Berks	Crompton and Knowles Colors Inc	Robeson Twp	S	SC
Berks	Dean Kohler Property	Richmond Twp	B	SC
Berks	Delta Truck Body	Perry Twp	I	SC
Berks	Domer Liebensperger	Hamburg Borough	S	SC
Berks	East Penn Mfg	Richmond Twp	B	SC
Berks	Eastern Industrial Inc	Reading	W	SC
Berks	General Battery Corp	Muhlenberg Twp	S	SC
Berks	Global Environmental Services Inc Feinberg Parcel	Ontelaunee Twp	I	SC
Berks	Jake's Place	Hamburg Borough	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	McQuaide Freight Lines	Tulpehocken Twp	W	SC
Berks	Met Ed Hamburg	Hamburg Borough	W	SC
Berks	Miller's Super Service	Temple Borough	W	SC
Berks	Muhlenberg Twp Well 12	Muhlenberg Twp	W	SC
Berks	Nolde Forest Environmental Education Center	Cumru Twp	W	SC

Regions: 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

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Berks	Offset Impressions Inc	Cumru Twp	W	SC
Berks	Outtens Buick Pontiac Chevrolet (Formerly)	Hamburg Borough	W	SC
Berks	Palm and Sons Inc	Cumru Twp	W	SC
Berks	Penske Truck Leasing Co LP	Reading	S	SC
Berks	PP&L	Sinking Spring Borough	W	SC
Berks	Reading Muhlenberg Area Vo-Tech School	Muhlenberg Twp	W	SC
Berks	Reading Station Outlets	Reading	I	SC
Berks	Rich Craft Custom Kitchen Inc	Robesonia Borough	B	SC
Berks	Rockwell International Goss Graphics	Wyomissing Borough	W	SC
Berks	Teledyne Amco (Formerly)	Mohnton Borough	W	SC
Berks	Textile Chemical Co Huller Lane Facility	Ontelaunee Twp	S	SC
Berks	Textile Chemical Snyder Road	Ontelaunee Twp	S	SC
Berks	Van Brunt and Sons Inc	Maxtawny Twp	W	SC
Berks	Vince's Towing	Reading	I	SC
Blair	A Plus Printing	Altoona	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	W	SC
Blair	Degol Carpet	Duncansville Borough	B	SC
Blair	Fiore Pontiac GMC Truck	Allegheny Twp	W	SC
Blair	GPU Energy Hollidaysburg Pole Storage Yard	Hollidaysburg Borough	W	SC
Blair	H&H Appliance and Puritan Cleaners	Altoona	S	SC
Blair	Mid State Chemical Division United Chemical	Allegheny Twp	S	SC
Blair	Titleman Welfare Fund Property	Altoona	I	SC
Blair	Union Tank Car Co	Altoona	W	SC
Blair	Westvaco Corp	Snyder Twp	W	SC
Bradford	Joseph Mint Residence	South Waverly Borough	W	NC
Bradford	Krajack Tank Lines	Leroy Twp	W	NC
Bucks	American Trading and Prod Corp	Bristol Twp	S	SE
Bucks	Amiquip Corp	Bensalem Twp	W	SE
Bucks	Ashland Chemical Facility	Falls Twp	I	SE
Bucks	Azar Residence	New Britain Twp	W	SE
Bucks	Becker Estate	Plumstead Twp	W	SE
Bucks	Bristol Borough Recreation Auth	Bristol Borough	W	SE
Bucks	Cartex Facility	Doylestown Borough	W	SE
Bucks	Chalfont Plaza Assoc LP	New Britain Twp	W	SE
Bucks	Childers Prod Inc	Bristol Twp	S	SE
Bucks	Decommissioned Granite Substation	Richland Twp	W	SE

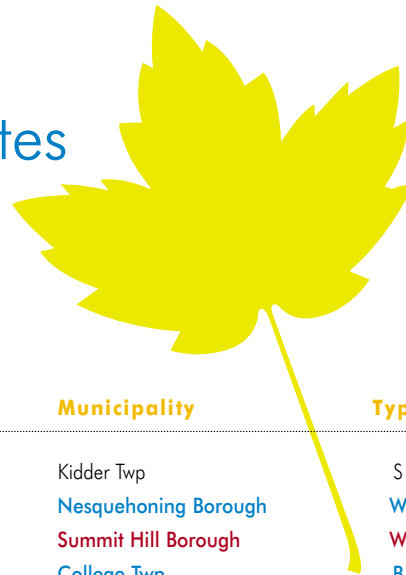
Land Recycling Program Sites

County	Name	Municipality	Type	Region
Bucks	Dickman Sargeant Energy Corp	Penndel Borough	B	SE
Bucks	Hannes Property	Buckingham Twp	W	SE
Bucks	Katz and Katz	Hilltown Twp	W	SE
Bucks	Kuthaila Residence	Upper Southampton Twp	W	SE
Bucks	Langhorne Sq Shopping Center	Middletown Twp	S	SE
Bucks	Lehequet Residence	Lower Southampton Twp	W	SE
Bucks	Lenape Mfg Co	Perkasie Borough	W	SE
Bucks	Lincoln Plaza Shopping Center	Langhorne Borough	W	SE
Bucks	Martin E Braam III Property	Bensalem Twp	B	SE
Bucks	Matico Property	Yardley Borough	W	SE
Bucks	McCoy Residence	New Britain Twp	W	SE
Bucks	McKenny Residence	Lower Southampton Twp	W	SE
Bucks	Meehan Residence	Middletown Twp	W	SE
Bucks	Moyer Packing Co	Upper Makefield Twp	W	SE
Bucks	NJ Transit Morrisville Railyard	Falls Twp	I	SE
Bucks	Paulovic Residence	Plumstead Twp	W	SE
Bucks	Peluso Residence	Doylestown Twp	W	SE
Bucks	Penns Park Road Spill	Wrightstown Twp	W	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	Weisser Residence	Bristol Borough	W	SE
Bucks	Wheelabrator Falls Inc	Falls Twp	B	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 Mfg	Zelienople Borough	I	NW
Cambria	Cecilia Kearns Residence	East Conemaugh Borough	W	SW
Cambria	Home Depot USA	Richland Twp	S	SW
Cambria	Johnstown Corp	Johnstown	W	SW
Cameron	Olivett Property	Emporium Borough	W	NC
Carbon	Antoinette Fazio Residence	Banks Twp	W	NE

Regions: 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

Land Recycling Program Sites



County	Name	Municipality	Type	Region
Carbon	Burroughs Fuels Inc	Kidder Twp	S	NE
Carbon	PP&L	Nesquehoning Borough	W	NE
Carbon	PP&L	Summit Hill Borough	W	NE
Centre	Abramson Auto Wrecking Co	College Twp	B	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	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	Acme 22 1764	East Nottingham Twp	W	SE
Chester	Avondale MGP	Avondale Borough	S	SE
Chester	Bufo Residence	Easttown Twp	W	SE
Chester	Diamond Oil Co	Coatesville	I	SE
Chester	Exton Property LP	West Whiteland Twp	W	SE
Chester	First Industrial Pennsylvania LP	Uwchlan Twp	W	SE
Chester	Grosskopf Residence	Avondale Borough	W	SE
Chester	Herzog Farm	Upper Uwchlan Twp	W	SE
Chester	Jackson Residence	Easttown Twp	W	SE
Chester	Kardon Park	Downingtown Borough	S	SE
Chester	Keystone Financial Bank National	Kennett Sq Borough	W	SE
Chester	Kramer Property	West Pikeland Twp	S	SE
Chester	Mad Platter	West Chester Borough	W	SE
Chester	McDonald Residence	East Coventry Twp	W	SE
Chester	Melchiorre Construction Co	Phoenixville Borough	S	SE
Chester	Northbrook Orchards	Pocopson Twp	W	SE
Chester	Parkesburg MGP PECO	Parkesburg Borough	S	SE
Chester	PECO Cromby Station	East Pikeland Twp	W	SE
Chester	Phoenixville Technical Center	Phoenixville Borough	W	SE
Chester	Pizza Box Restaurant	West Chester Borough	W	SE
Chester	Santos Auto Center	West Chester Borough	W	SE
Chester	Serena Inc	Downingtown Borough	W	SE
Chester	Sharp's Woods	Easttown Twp	W	SE
Chester	Spring City Electronic Mfg Co	Spring City Borough	B	SE
Chester	Staats Oil	Malvern Borough	W	SE
Chester	Stoltzfus Estate	Valley Twp	W	SE
Chester	Stonegate	West Bradford Twp	W	SE
Chester	Strunk Farm Property	East Fallowfield Twp	W	SE

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Chester	Unisys Downingtown Facility	Downingtown Borough	W	SE
Chester	Welliver Residence	Easttown Twp	W	SE
Chester	West Chester Laundry	West Chester Borough	W	SE
Chester	West Chester MGP	West Chester Borough	S	SE
Chester	West Co	Phoenixville Borough	W	SE
Chester	Whitman Residence	Tredyffrin Twp	W	SE
Clearfield	Equimeter (Rockwell) Plant 1	Du Bois City	B	NC
Clearfield	Equimeter (Rockwell) Plant 2	Du Bois City	W	NC
Clearfield	Howes Leather Corp	Pike Twp	S	NC
Clearfield	Kephart Property	Decatur Twp	W	NC
Clinton	Hammermill Paper Co	Castanea Twp	W	NC
Clinton	Lock Haven Laundry	Lock Haven	S	NC
Clinton	Montour Oil Co (KC Video)	Lock Haven	S	NC
Clinton	PP&L	Logan Twp	W	NC
Columbia	Berwick Industries	Berwick Borough	S	NC
Columbia	Friedman's Express (Bloomsburg Truck Terminal)	Bloomsburg Twp	S	NC
Columbia	Sunshine Textile Services	Bloomsburg Twp	S	NC
Crawford	Advanced Cast Prod 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 Springs Borough	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 Association	Cambridge Twp	W	NW
Crawford	Titusville Redevelopment Auth	Titusville	I	NW
Crawford	Westerbeck Pennzoil (Formerly)	Titusville	W	NW
Cumberland	AMP Inc Old Gettysburg Road	Lower Allen Twp	W	SC
Cumberland	Aqua Specialists Inc	Hampden Twp	W	SC
Cumberland	Conewago Contr Inc Warehouse Facility	Lemoyne Borough	W	SC
Cumberland	Cumberland Bldg Co	North Middleton Twp	W	SC
Cumberland	Financial Trust Regional HQ	Carlisle Borough	B	SC
Cumberland	Lippert	Carlisle Borough	B	SC
Cumberland	Lumber Yard	Lemoyne Borough	B	SC
Cumberland	Murata Electronics National Inc	Carlisle Borough	B	SC
Cumberland	Orweco Frocks	Mechanicsburg Borough	B	SC

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Land Recycling Program Sites

County	Name	Municipality	Type	Region
Cumberland	Penn Fuel Gas Shippensburg	Shippensburg Borough	W	SC
Cumberland	Penn Twp Bldg	Penn Twp	W	SC
Cumberland	Pennsboro Center	Wormleysburg Borough	W	SC
Cumberland	PP&L	Carlisle Borough	W	SC
Cumberland	PP&L	East Pennsboro Twp	W	SC
Cumberland	PP&L	Lower Allen Twp	W	SC
Cumberland	PP&L	Lower Allen Twp	W	SC
Cumberland	PP&L	Mechanicsburg Borough	W	SC
Cumberland	PP&L	Mechanicsburg Borough	W	SC
Cumberland	PR Hoffman Materials Processing Corp	Carlisle Borough	B	SC
Cumberland	Royer Tract	South Middleton Twp	B	SC
Cumberland	Wendy's	Carlisle Borough	B	SC
Dauphin	909 Partners	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	Steelton Borough	B	SC
Dauphin	Bill's Chicken Shack	Harrisburg	W	SC
Dauphin	Conewago Twp Bldg	Conewago Twp	W	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	James Casner Property	Washington Twp	W	SC
Dauphin	M&S Distr Co (Formerly)	Harrisburg	W	SC
Dauphin	Olivetti Supplies Inc (Formerly)	Susquehanna Twp	W	SC
Dauphin	Polyclinic Medical Center	Harrisburg	W	SC
Dauphin	PP&L	Derry Twp	W	SC
Dauphin	PP&L	Harrisburg	W	SC
Dauphin	PP&L	Lower Paxton Twp	W	SC
Dauphin	PP&L	Lower Paxton Twp	W	SC
Dauphin	PP&L	Lower Paxton Twp	W	SC
Dauphin	PP&L	Lower Paxton Twp	W	SC
Dauphin	PP&L	Middle Paxton Twp	W	SC
Dauphin	PP&L	Penbrook Borough	W	SC
Dauphin	PP&L	South Hanover Twp	W	SC

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Dauphin	PP&L	Susquehanna Twp	W	SC
Dauphin	PP&L	Swatara Twp	W	SC
Dauphin	PP&L Hershey Service Center	Derry Twp	W	SC
Dauphin	Rite Aid Corp	Derry Twp	W	SC
Dauphin	Scottish Rite Cathedral	Harrisburg	W	SC
Dauphin	Super Rite Foods Inc Rich Foods	Harrisburg	W	SC
Dauphin	Taylor Wharton Cylinders Eastern Tract Lots 1, 2, 3	Harrisburg	B	SC
Dauphin	UGI Corp MGP Steelton	Steelton Borough	W	SC
Dauphin	Villa Teresa	Lower Paxton Twp	W	SC
Dauphin	Washington Sq Phase II Parcel 2	Harrisburg	W	SC
Dauphin	Wedgewood Hills Apts	Susquehanna Twp	W	SC
Delaware	ARCO/SAP America Property	Newtown Twp	W	SE
Delaware	Assemco Inc	Ridley Park Borough	W	SE
Delaware	Baer Property	Eddystone Borough	B	SE
Delaware	Boeing Helicopters	Ridley Twp	W	SE
Delaware	Bond Shopping Center	Upper Darby Twp	W	SE
Delaware	Brandywine Realty II Inc	Concord Twp	B	SE
Delaware	Brandywine Realty II Inc UST Area	Concord Twp	W	SE
Delaware	Chrysler Realty Corp	Springfield Twp	W	SE
Delaware	Claymont Development Property	Birmingham Twp	W	SE
Delaware	Coca Cola Bottling Co	Folcroft Borough	S	SE
Delaware	Cole Residence	Parkside Borough	W	SE
Delaware	Ennis Oil and Burner	Chester Heights Borough	W	SE
Delaware	Filt Air Corp	Darby Borough	W	SE
Delaware	Gabe Staino Chrysler Plymouth	Birmingham Twp	W	SE
Delaware	Gilberts Flower Shop	Ridley Twp	W	SE
Delaware	Heritage Nissan	Newtown Twp	W	SE
Delaware	Industrial Park Development Corp	Eddystone Borough	W	SE
Delaware	Meadow Run	Concord Twp	S	SE
Delaware	PECO Tilghman Street Gas Plant	Chester	S	SE
Delaware	Penn Terminals	Eddystone Borough	S	SE
Delaware	PPG Industrial Facility (Formerly)	Folcroft Borough	S	SE
Delaware	Realen Ltd Partner Inc	Middletown Twp	W	SE
Delaware	Sackville Mills Property	Nether Providence Twp	B	SE
Delaware	SMK Speedy International Inc	Chester	S	SE
Delaware	Weichert Realtors	Haverford Twp	S	SE

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Land Recycling Program Sites

County	Name	Municipality	Type	Region
Delaware	Witco Corp	Trainer Borough	W	SE
Elk	CNG Transmission Corp (Benezette Compress)	Benezette Twp	W	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	CF Motor Freight	Erie City	W	NW
Erie	City of Erie Fire House 12	Erie City	W	NW
Erie	Country Fair 39	Girard Twp	W	NW
Erie	Eastway Sunoco	Harborcreek Twp	W	NW
Erie	Erie City Iron Works	Erie City	S	NW
Erie	Fedorko Peter Property	Millcreek Twp	S	NW
Erie	Garnon Trucking	Millcreek Twp	W	NW
Erie	General Electric Transportation Systems	Erie City	W	NW
Erie	GPU Front Street Station (Penelec)	Erie City	W	NW
Erie	Greater Erie Industrial (City Auto East)	Erie City	W	NW
Erie	Greater Erie Industrial (GEIDC) (Mac Erie)	Erie City	B	NW
Erie	Green Shingle Services and Restaurant Inc	McKean Twp	S	NW
Erie	GTE West	Erie City	S	NW
Erie	JK Shiley	Springfield Twp	W	NW
Erie	Mafix	Millcreek Twp	S	NW
Erie	Mike's Motor Service	Erie City	W	NW
Erie	National Fuel Gas Wayne Street	Erie City	S	NW
Erie	Northeast Borough Bldg	Northeast Borough	W	NW
Erie	Pine Avenue Auto Sales	Erie City	W	NW
Erie	Poplar Thruway	McKean Twp	W	NW
Erie	Rogers Steel	Corry	I	NW
Erie	Travis Tire and Service	Erie City	W	NW
Erie	WSEE-TV Northstar Television Transmission Tower	Summit Twp	W	NW
Fayette	Long Airdox Co	North Union Twp	S	SW
Fayette	Mt State Bit Service Inc (Formerly)	Redstone Twp	W	SW
Fayette	Tom Morris Residence	Perry Twp	S	SW
Franklin	DL Martin	Mercersburg Borough	W	SC
Franklin	Grove North America Division Kidde Industrial Inc	Antrim Twp	W	SC
Franklin	Loewengart and Co Inc	Mercersburg Borough	I	SC
Franklin	Luben Burkholder Farm	Hamilton Twp	W	SC
Franklin	R&A Bender Landfill	Greene Twp	W	SC
Franklin	Waynesboro Gas Co (Formerly)	Waynesboro Borough	W	SC
Fulton	JLG Industrial	Ayr Twp	W	SC

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Lackawanna	Van Fleet Residence	Benton Twp	B	NE
Lancaster	AG Kurtz	Denver Borough	W	SC
Lancaster	Alcoa Lancaster Works Red Rose Commons	Lancaster City	W	SC
Lancaster	AMP Bldg 129 Strasburg	Strasburg Borough	W	SC
Lancaster	Armstrong World Industries	Lancaster City	W	SC
Lancaster	Burle Industrial Inc	Lancaster City	W	SC
Lancaster	CBS Playskool Facility Lagoon	East Lampeter Twp	S	SC
Lancaster	Elbys Big Boy 3331	Manheim Twp	B	SC
Lancaster	Elec Motor Supply Inc	East Hempfield Twp	W	SC
Lancaster	Elizabethtown Waste Water Treatment Plant	Elizabethtown Borough	W	SC
Lancaster	Filling Cleaners Inc	West Hempfield Twp	W	SC
Lancaster	Funk Bros Inc	Washington Borough	W	SC
Lancaster	Golden Triangle Shopping Center	Manheim Twp	W	SC
Lancaster	Goods Poultry Service	West Hempfield Twp	W	SC
Lancaster	Haddad Shoe Factory City Xing	Lancaster City	I	SC
Lancaster	Kerr Group	Lancaster City	S	SC
Lancaster	Lancaster Airport	Manheim Twp	W	SC
Lancaster	Lancaster County Firemans Assoc Training School	West Lampeter Twp	W	SC
Lancaster	Lancaster County Motors	East Petersburg Borough	W	SC
Lancaster	Lancaster Leaf Tobacco Co of PA Inc	Lancaster City	W	SC
Lancaster	Leola Exxon	Upper Leacock Twp	W	SC
Lancaster	Moats Service Center	Providence Twp	W	SC
Lancaster	Morris Motors	Lancaster City	W	SC
Lancaster	Nelson Weaver and Sons Inc	Penn Twp	W	SC
Lancaster	New Holland North America	New Holland Borough	W	SC
Lancaster	Novelty Mfg Co	Manheim Twp	W	SC
Lancaster	Pennfield Corp	East Hempfield Twp	W	SC
Lancaster	Playskool Facility (Formerly)	East Lampeter Twp	W	SC
Lancaster	PP&L	Columbia Borough	W	SC
Lancaster	PP&L	East Donegal Twp	W	SC
Lancaster	PP&L	Lancaster City	W	SC
Lancaster	PP&L	Penn Twp	W	SC
Lancaster	PP&L Franklin Lehigh Substation	Lancaster City	W	SC
Lancaster	Reese Metal Prod Corp	East Lampeter Twp	S	SC
Lancaster	Rhoads Service Center	Leacock Twp	W	SC
Lancaster	Rohrerstown Lawn Mower Service	East Hempfield Twp	W	SC
Lancaster	Sholmartin's Garage	West Cocalico Twp	W	SC
Lancaster	Steffy Florists	East Hempfield Twp	W	SC

Land Recycling Program Sites

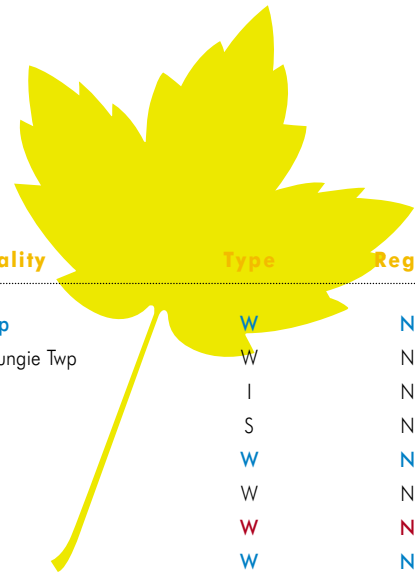
County	Name	Municipality	Type	Region
Lancaster	Stetler Auto (Formerly)	Manheim Twp	W	SC
Lancaster	Taylor's Auto Repair	East Lampeter Twp	W	SC
Lancaster	Topstar Columbia Mobil	West Hempfield Twp	W	SC
Lancaster	Trailer Vlg Mobile Home Park	East Hempfield Twp	W	SC
Lancaster	United Plastic Inc	Manheim Borough	W	SC
Lawrence	Affiliated Metals and Minerals and Johnson Bronze II	New Castle	I	NW
Lawrence	Double R Enterprises	New Castle	I	NW
Lawrence	Ellwood City (Ellwood City Industrial Park)	Ellwood City Borough	I	NW
Lawrence	Frenz Petroleum (Spill State Route 422)	Slippery Rock Twp	W	NW
Lawrence	Industrial Equipment Fabricators	Ellwood City Borough	I	NW
Lawrence	Johnson Bronze	New Castle	I	NW
Lawrence	New Castle Commerce Park Extension Parcel 1, 3	New Castle	I	NW
Lawrence	Rockwell Facility (Formerly)	New Castle	S	NW
Lawrence	Scullion Trucking	New Beaver Borough	W	NW
Lawrence	Tic Toc Food Mart 104	North Beaver Twp	S	NW
Lawrence	USX (Formerly)	Ellwood City Borough	I	NW
Lebanon	Aqua Chemical Inc Cleaver Brooks Division	West Lebanon Twp	S	SC
Lebanon	Atlantic A Plus 0364 0679 (Formerly)	Lebanon City	W	SC
Lebanon	Carmeuse PA Inc	North Londonderry Twp	W	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	Mario Beneito Estate	East Hanover Twp	W	SC
Lebanon	Mt Gretna Borough	Mt Gretna Borough	W	SC
Lebanon	ONO Service Center	East Hanover Twp	W	SC
Lebanon	Progress Parking Lot 4	Lebanon City	I	SC
Lebanon	Progress Parking Lot 5	Lebanon City	I	SC
Lebanon	Progress Parking Lot 7	Lebanon City	I	SC
Lebanon	Progress Parking Lots 9, 10, 12	Lebanon City	I	SC
Lebanon	Roy E Miller Inc	Palmyra Borough	W	SC
Lebanon	Sun Quenten	West Cornwall Twp	S	SC
Lehigh	1801 East Tremont Street	Allentown	W	NE
Lehigh	Air Prod and Chemical Engineering Systems Welding Prod	Allentown	S	NE
Lehigh	Allentown Bar and Restaurant Supply	Allentown	W	NE
Lehigh	Bethlehem Iron Works	Salisbury Twp	W	NE
Lehigh	Conewago Equities	Hanover Twp	W	NE

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Lehigh	Graner Property Remediation	Lowhill Twp	W	NE
Lehigh	Hook-Up Inc Facility (Formerly)	Lower Macungie Twp	W	NE
Lehigh	Lehigh Landing Project	Allentown	I	NE
Lehigh	Luning Prak Ltd Liability Co and Bosman Ltd	Allentown	S	NE
Lehigh	Paris Accessories Facility	Allentown	W	NE
Lehigh	Penn Linen and Uniform Service Inc	Bethlehem	W	NE
Lehigh	PP&L	Allentown	W	NE
Lehigh	PP&L	Allentown	W	NE
Lehigh	PP&L	Allentown	W	NE
Lehigh	PP&L	Allentown	W	NE
Lehigh	PP&L	Allentown	W	NE
Lehigh	PP&L	Bethlehem	W	NE
Lehigh	PP&L	Bethlehem	W	NE
Lehigh	PP&L	Emmaus Borough	W	NE
Lehigh	PP&L	Emmaus Borough	W	NE
Lehigh	PP&L	Lower Macungie Twp	W	NE
Lehigh	PP&L	South Whitehall Twp	W	NE
Lehigh	PP&L	South Whitehall Twp	W	NE
Lehigh	PP&L	South Whitehall Twp	W	NE
Lehigh	PP&L	Upper Macungie Twp	W	NE
Lehigh	PP&L	Upper Milford Twp	W	NE
Lehigh	PP&L	Whitehall Twp	W	NE
Lehigh	PP&L	Whitehall Twp	W	NE
Lehigh	PP&L	Whitehall Twp	W	NE
Lehigh	PP&L	Whitehall Twp	W	NE
Lehigh	PP&L Jasper Substation	Allentown	W	NE
Lehigh	Primages	Coopersburg Borough	W	NE
Lehigh	Queen City Business Center	Allentown	S	NE
Lehigh	Solarek Property	Allentown	W	NE
Luzerne	Addy Asphalt Co	Wilkes-Barre	W	NE
Luzerne	Crown American (Wyoming Valley Mall)	Wilkes-Barre Twp	B	NE
Luzerne	James Lawrence Brown Property	Kingston Twp	W	NE
Luzerne	Nicholson Steam Trap	Wilkes-Barre	B	NE
Luzerne	PP&L	Hazleton	W	NE
Luzerne	PP&L	West Hazleton Borough	W	NE
Luzerne	PP&L	West Pittston Borough	W	NE
Luzerne	PP&L	Wilkes-Barre	W	NE
Luzerne	PP&L	Wilkes-Barre	W	NE

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Luzerne	PP&L Avoca Substation	Avoca Borough	W	NE
Luzerne	PP&L Beekman Substation	Wilkes-Barre	W	NE
Luzerne	PP&L Buttonwood Substation	Hazleton	W	NE
Luzerne	PP&L Harwood Steam Electric Station	Hazle Twp	W	NE
Luzerne	PP&L Sullivan Trail Substation	Exeter Twp	W	NE
Luzerne	Sandusky Lewis Facility	West Hazleton Borough	W	NE
Luzerne	Turner Residence	Franklin Twp	W	NE
Luzerne	Wilkes-Barre General Hospital	Wilkes-Barre	W	NE
Luzerne	Wilkes-Barre Public Works Garage Property (Formerly)	Wilkes-Barre	I	NE
Lycoming	Anchor-Darling Valve Co	Williamsport	S	NC
Lycoming	Andritz Sprout Bauer Inc	Muncy Borough	B	NC
Lycoming	Coley's Auto Salvage	Loyalsock Twp	W	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	Penn Garment	Old Lycoming Twp	S	NC
Lycoming	PP&L	Muncy Twp	W	NC
Lycoming	PP&L	Woodward Twp	W	NC
Lycoming	Sterile Services Inc	Williamsport	S	NC
Lycoming	Stroehmann Bakeries Roll Plant	Old Lycoming Twp	W	NC
Lycoming	Susquehanna Supply	Williamsport	S	NC
Lycoming	Textron-Lycoming Service Center	Montoursville Borough	W	NC
Lycoming	Vanderlin Cleaners	Williamsport	I	NC
Lycoming	Williamsport National Bank (Paul Welch)	Williamsport	I	NC
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	Keystone Powdered Metal Co	Lewis Run Borough	I	NW
Mercer	City of Farrell (Sharon Steel Coil Yard 1 Acre)	Farrell	I	NW
Mercer	Roemer Industries	Sharon	B	NW
Mercer	Shenango Valley IDC (Caparo Finishing Division B)	Farrell	W	NW
Mercer	SVIDC (Sharon Steel Billet Yard 17 Acres)	Farrell	I	NW
Mifflin	Hilltop Laundry	Lewistown Borough	W	SC
Mifflin	Kilgore Facility (Formerly)	Armagh Twp	W	SC
Mifflin	Lemac Foundry (Formerly)	Decatur Twp	W	SC
Mifflin	Masland Lewistown	Granville Twp	W	SC

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Mifflin	Mifflin County Subaru Motors (Formerly)	Armagh Twp	W	SC
Mifflin	Oil Terminal (Formerly)	Lewistown Borough	W	SC
Monroe	PP&L	Paradise Twp	W	NE
Montgomery	111th Fighter Wing PA National Guard	Horsham Twp	W	SE
Montgomery	Annex Mfg	Pennsburg Borough	W	SE
Montgomery	ARTCO Corp	Hatfield Twp	S	SE
Montgomery	Auto National USA Corp	Plymouth Twp	B	SE
Montgomery	AVO International Inc	Plymouth Twp	W	SE
Montgomery	Benson East Apt Facility	Abington Twp	W	SE
Montgomery	Braun Iron Works	Upper Moreland Twp	B	SE
Montgomery	Collegeville Assoc LP	Collegeville Borough	W	SE
Montgomery	Commonwealth Corp Center	Horsham Twp	B	SE
Montgomery	Dallas Miller Service Station	Douglass Twp	W	SE
Montgomery	Domino Salvage Inc	Plymouth Twp	B	SE
Montgomery	East Norriton Shopping Center	East Norriton Twp	B	SE
Montgomery	Elf Atochem North America (Technical Center)	Upper Merion Twp	B	SE
Montgomery	Estate of George Hutt Jr	Worcester Twp	W	SE
Montgomery	Exxon RS 2 2423	Souderton Borough	W	SE
Montgomery	Hostrander Residence	East Norriton Twp	W	SE
Montgomery	Jade Holdings Inc	Lower Moreland Twp	W	SE
Montgomery	James A Stimmler Inc Loading Rack	Worcester Twp	W	SE
Montgomery	Korman Co	West Norriton Twp	W	SE
Montgomery	MB Land Co	Horsham Twp	B	SE
Montgomery	Melody Dry Cleaners	Cheltenham Twp	S	SE
Montgomery	Metroplex Corp Center	Plymouth Twp	S	SE
Montgomery	Metroplex Shopping Center	Plymouth Twp	S	SE
Montgomery	Montgomery Equities Inc	Plymouth Twp	W	SE
Montgomery	Murata Wiedemann Inc	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	W	SE
Montgomery	Pleasant Valley Business Center	Conshohocken Borough	I	SE
Montgomery	PP&L	East Greenville Borough	W	SE
Montgomery	PP&L	Souderton Borough	W	SE
Montgomery	PP&L	Souderton Borough	W	SE

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Montgomery	Preferred Real Estate Investments	Plymouth Twp	W	SE
Montgomery	Proietto Residence	Conshohocken Borough	W	SE
Montgomery	Reiniger Brothers Inc	Upper Moreland Twp	W	SE
Montgomery	Rhoads Metals Fabrication and Maintenance Service Inc	Lower Moreland Twp	W	SE
Montgomery	SGS Thomson Microelectronics	Montgomery Twp	W	SE
Montgomery	South Ardmore Redevelopment Project	Lower Merion Twp	S	SE
Montgomery	Spring Mill Development Inc	Plymouth Twp	W	SE
Montgomery	Spring Mill Estates North Parcel	Upper Providence Twp	W	SE
Montgomery	Station Sq Parcel	Whitemarsh 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	Vilsmeier Auction Co	Horsham Twp	W	SE
Montour	Doug Hawkins Residence	Mayberry Twp	W	NC
Montour	Svedala (Kennedy Van Saun)	Danville Borough	W	NC
Northampton	Bethlehem Steel Corp	Bethlehem	S	NE
Northampton	Bethlehem Works	Bethlehem	S	NE
Northampton	Blue Ridge Winkler	Bangor Borough	I	NE
Northampton	Chrin Brothers 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	Edward Hill Property	Lower Saucon Twp	W	NE
Northampton	Fred J Wirth Residence	Wilson Borough	W	NE
Northampton	Industrial Engraving Corp	Wilson Borough	S	NE
Northampton	James Meilinger Property	Bethlehem Twp	W	NE
Northampton	John E Brensinger Jr Residence	Moore Twp	W	NE
Northampton	Kevin Bendzlowicz Residence	East Allen Twp	W	NE
Northampton	Lafarge Corp (Lot 3)	Northampton Borough	W	NE
Northampton	Peter J Behrens Residence	Bethlehem	W	NE
Northampton	Petrilla Fuel (Bedco)	Bethlehem	W	NE
Northampton	PP&L	Allen Twp	W	NE
Northampton	PP&L	Allen Twp	W	NE
Northampton	PP&L Madison Avenue Substation	Bethlehem	W	NE
Northampton	PP&L South Catasauqua Substation	North Catasauqua Borough	W	NE
Northampton	Slatebelt Industrial Center	Pen Argyl Borough	S	NE

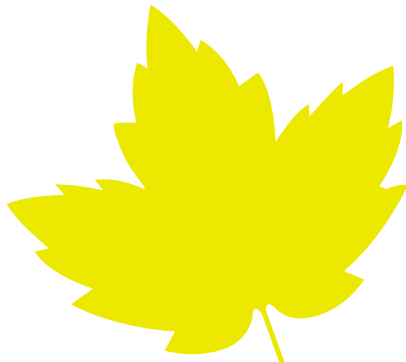
Regions: SE = Southeast SC = Southcentral SW = Southwest NE = Northeast NC = Northcentral NW = Northwest

Cleanup Type: B = Background I = Industrial S = Site-Specific W = Statewide

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

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Northampton	Trenholm Property	Upper Mt Bethel Twp	W	NE
Northampton	Union Station Plaza (Formerly)	Bethlehem	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	Herman Banks Scrapyard	West Chillisquaque Twp	S	NC
Northumberland	PP&L	Mt Carmel Borough	W	NC
Northumberland	PP&L	East Cameron Twp	W	NC
Northumberland	PP&L	Sunbury	W	NC
Northumberland	Scullin Oil Co	Sunbury	S	NC
Northumberland	USA Waste Management	West Chillisquaque 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 Street	Philadelphia	I	SE
Philadelphia	18th and Callowhill Streets	Philadelphia	W	SE
Philadelphia	3600 Reed Street Property	Philadelphia	W	SE
Philadelphia	7500 State Road Property	Philadelphia	S	SE
Philadelphia	Action Arm Ltd	Philadelphia	S	SE
Philadelphia	Blue Ribbon Enterprise Inc	Philadelphia	W	SE
Philadelphia	Bustleton Partners Seamans	Philadelphia	W	SE
Philadelphia	Canada Dry Delaware Valley	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	Flying Carport Inc	Philadelphia	S	SE
Philadelphia	FP Woll and Co Facility	Philadelphia	W	SE
Philadelphia	Globe Industrial Inc Facility	Philadelphia	W	SE
Philadelphia	Greenway Court Apts	Philadelphia	S	SE
Philadelphia	HCA Inc	Philadelphia	W	SE
Philadelphia	Heintz Corp	Philadelphia	S	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	National Brands Distr	Philadelphia	W	SE
Philadelphia	National Publishing Co	Philadelphia	W	SE
Philadelphia	National Railroad Passenger Corp	Philadelphia	W	SE



Land Recycling Program Sites

County	Name	Municipality	Type	Region
Philadelphia	Northeast Fence and Ironworks	Philadelphia	S	SE
Philadelphia	NTL Linen Services	Philadelphia	W	SE
Philadelphia	NTL Publishing Co	Philadelphia	W	SE
Philadelphia	Olney Assoc	Philadelphia	W	SE
Philadelphia	One and Olney Sq Shopping Center	Philadelphia	W	SE
Philadelphia	Orfa Corp of America	Philadelphia	I	SE
Philadelphia	PA College of Optometry	Philadelphia	W	SE
Philadelphia	PECO Energy Germantown Service Facility	Philadelphia	W	SE
Philadelphia	PECO Southwark Service Bldg	Philadelphia	W	SE
Philadelphia	Penn DOT	Philadelphia	I	SE
Philadelphia	Penn Ventilation Inc	Philadelphia	W	SE
Philadelphia	Pennypack Realty Co	Philadelphia	W	SE
Philadelphia	Philadelphia Redevelopment Auth (Stenton Avenue and Haines Street)	Philadelphia	W	SE
Philadelphia	Philadelphia Industrial Correction Center	Philadelphia	W	SE
Philadelphia	PNC Bank National	Philadelphia	S	SE
Philadelphia	Progress Lighting	Philadelphia	S	SE
Philadelphia	Quaker Lace Co	Philadelphia	W	SE
Philadelphia	Scholler Inc	Philadelphia	W	SE
Philadelphia	Sears Logistics Service Inc	Philadelphia	S	SE
Philadelphia	South 71st Street Property	Philadelphia	W	SE
Philadelphia	Sovereign Oil	Philadelphia	I	SE
Philadelphia	SPD Tech	Philadelphia	B	SE
Philadelphia	Transit America Inc	Philadelphia	W	SE
Philadelphia	US Can Co	Philadelphia	B	SE
Philadelphia	Valhal Corp	Philadelphia	W	SE
Philadelphia	Van Waters and Rogers Philadelphia Facility	Philadelphia	W	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	PP&L	Palmyra Twp	W	NE
Potter	Adelphia Communications Inc	Coudersport Borough	W	NC
Potter	Potter Co Industrial Park Northern	Coudersport Borough	I	NC
Potter	Potter Co Industrial Park Southern	Coudersport Borough	I	NC
Potter	Ziegenfus Property	West Branch Twp	W	NC
Schuylkill	Antaloski Property	Frackville Borough	W	NE

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

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Schuylkill	Bud Development Co	Tamaqua Borough	W	NE
Schuylkill	Coleman Residence	Coaldale Borough	W	NE
Schuylkill	Hart Metals	Tamaqua Borough	W	NE
Schuylkill	ICI Explosives USA Inc	Walker Twp	S	NE
Schuylkill	ICI Explosives (Wakefield Property)	Walker Twp	S	NE
Schuylkill	Lois Bennick Residence	Hegins Twp	W	NE
Schuylkill	Moen of PA	Pine Grove Twp	S	NE
Schuylkill	PP&L	Pottsville	W	NE
Schuylkill	PP&L Tamaqua (Decommissioned) Gas Plant	Tamaqua Borough	S	NE
Schuylkill	PP&L (Oneida Substation) (Formerly)	East Union Twp	W	NE
Schuylkill	Ray Brady Residence	St Clair Borough	W	NE
Somerset	Bald Knob Relay Tower	Shade Twp	W	SW
Somerset	Koch Materials	Windber Borough	W	SW
Tioga	Costy's Used Truck and Auto Parts Inc	Putnam Twp	W	NC
Tioga	Lawrenceville Exxon	Lawrenceville Borough	I	NC
Union	Penn Fuel Gas (Lewisburg)	Lewisburg Borough	S	NC
Union	Playworld Systems	New Berlin Borough	S	NC
Union	Smartbuys Store	Mifflinburg Borough	W	NC
Venango	Brown Boiler and Tanks Works Facility	Franklin	I	NW
Venango	Franklin Industries Co	Franklin	I	NW
Venango	Graham Packaging Facility	Oil City	W	NW
Warren	National Forge	Brokenstraw Twp	W	NW
Warren	Struthers Wells Facility (Formerly)	Warren Borough	I	NW
Washington	Amcast/Flagg Brass Superior Valve Facility	Chartiers Twp	S	SW
Washington	BP Oil 07237	Canonsburg Borough	W	SW
Washington	Columbia Gas Transmission (Washington Operation Center)	South Strabane Twp	S	SW
Washington	Combustion Engineering Inc	Cecil Twp	W	SW
Washington	Corning Consumer Prod Co	Charleroi Borough	W	SW
Washington	Dean's Water Service Inc	Canton Twp	W	SW
Washington	Dyno Nobel Inc	Donora Borough	S	SW
Washington	Mon Valley Lincoln Mercury Dealership (Formerly)	Monongahela	S	SW
Washington	National Granulating Corp Inc Facility (Formerly)	Washington City	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	Bruner Residence	South Canaan Twp	W	NE
Wayne	Haas Property	South Canaan Twp	W	NE

Land Recycling Program Sites

County	Name	Municipality	Type	Region
Wayne	PP&L	Berlin Twp	W	NE
Wayne	PP&L	Canaan Twp	W	NE
Wayne	PP&L	Salem Twp	W	NE
Wayne	PP&L Honesdale Gas Plant	Honesdale Borough	S	NE
Westmoreland	Alcoa Pilot Atomizer	Upper Burrell Twp	W	SW
Westmoreland	Bell Atlantic Material Reclamation Center	Youngwood Borough	W	SW
Westmoreland	Jack Strange Residence (Chris Suchko Property)	West Newton Borough	W	SW
Westmoreland	Jeannette Industrial Redevelopment Project	Jeannette	I	SW
Westmoreland	Latrobe Plastic Co	Derry Twp	S	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	W	SW
Westmoreland	O'Donnell's Ambulance Service (Formerly)	North Huntingdon Twp	W	SW
Westmoreland	Powerex Inc	Hempfield Twp	W	SW
Westmoreland	St George Crystal Ltd	Jeannette	S	SW
Westmoreland	Unipack Inc (Chemlawn Bldg)	Murrysville Borough	W	SW
Wyoming	Linda Shoemaker Residence	Lemon Twp	W	NE
Wyoming	PP&L	Overfield Twp	W	NE
York	ACCO	York City	I	SC
York	American Insulator Co	New Freedom Borough	W	SC
York	American Insulator Property (Formerly)	New Freedom Borough	W	SC
York	AMP Larue Bldg 31	Codorus Twp	W	SC
York	Capitol City Airport	Fairview Twp	W	SC
York	Cole Division Litton Business Systems Inc	Springettsbury Twp	B	SC
York	Columbia Gas Grant Street	York City	S	SC
York	Conrads Delicatessen	York City	I	SC
York	Defense Distribution East Region	Fairview Twp	S	SC
York	Electrochem	York City	I	SC
York	Emeco Lagoon (Formerly)	Hanover Borough	W	SC
York	Esab Welding and Cutting Prod	Penn Twp	W	SC
York	Godfreys Texaco Station aka AM Strickler Inc	West Manchester Twp	I	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	Kens Service Station	East Prospect Borough	W	SC

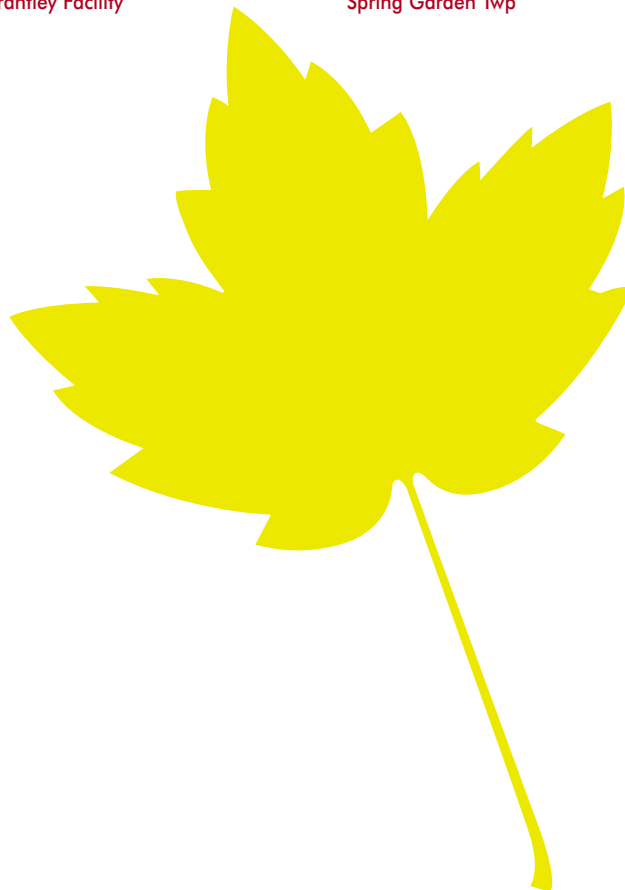
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Cleanup Status: Cleanup in progress Cleanup completed this year Cleanup completed previous years

Land Recycling Program Sites

County	Name	Municipality	Type	Region
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 and Sons Inc Property	West Manchester Twp	S	SC
York	Martin Dubbs Residence	Dover Twp	W	SC
York	Morris Residence	Dover Twp	W	SC
York	Osram Sylvania Prod Inc	West Manchester Twp	S	SC
York	Pepsi Cola Operating Co	Spring Garden Twp	W	SC
York	PP&L	Fairview Twp	W	SC
York	Schmucks Tailors and Cleaners	York Twp	W	SC
York	Shultz Enterprises Property Lot 3	Hanover Borough	W	SC
York	Smokestack	York City	I	SC
York	Teledyne Readco	Spring Garden Twp	W	SC
York	Thonet	York City	I	SC
York	WR Meadows	West Manchester Twp	S	SC
York	Woodmaster Prod	Dallastown Borough	W	SC
York	York International Grantley Facility	Spring Garden Twp	W	SC



Financial Assistance

Appendix 3

Over the past four years, municipalities, non-profit organizations and private companies have received nearly \$17 million to assess and clean up contaminated sites. This year, 39 grants and one loan were issued by DCED. The grants totaled \$5,274,374 and the loan was for \$112,500. A total of 113 grants and eight loans have been issued under Act 2 and Act 4 and administered by DCED.

County	Project	Applicant	Type	Amount	Assessment	Remediation	Region
Adams	Service Station (Formerly)	Al Prueitt	L	22,500	✓		SC
Allegheny	Gas Station Lysle Blvd (Formerly)	City of McKeesport Redevelopment Auth	G	11,925	✓		SW
Allegheny	Gasoline Service Station (Formerly)	Mt Lebanon Borough	G	11,047	✓		SW
Allegheny	Hayes Ammunition Plant (Formerly)	Pittsburgh Economic and IDC	G	993,750		✓	SW
Allegheny	Kerotest Facility (Formerly)	Urban Redevelopment Auth of Pittsburgh	G	45,750	✓		SW
Allegheny	Kerotest Facility (Formerly)	Urban Redevelopment Auth of Pittsburgh	G	208,875		✓	SW
Allegheny	Lectromelt Facility (Formerly)	Urban Redevelopment Auth of Pittsburgh	G	418,710		✓	SW
Allegheny	Malitovsky Drum Co (Formerly)	Phoenix Land Recycling	G	108,000	✓		SW
Allegheny	National Tube Works Riverplace	RIDC of Southwestern Pennsylvania Growth Fund	G	37,500	✓		SW
Allegheny	Oakmont Steel (Formerly)	RIDC of Southwestern Pennsylvania Growth Fund	G	42,000	✓	✓	SW
Allegheny	Seamless Pipe	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	89,355	✓		SW
Allegheny	Westinghouse Keystone Commons (Formerly)	RIDC of Southwestern Pennsylvania Growth Fund	G	79,507	✓		SW
Armstrong	Metal Services and Babcock Apollo (Formerly)	Armstrong County Industrial Development Council	G	200,000	✓		SW
Armstrong	Phoenix Materials (Formerly)	Armstrong County Industrial Development Council	G	48,000	✓		SW
Beaver	Aliquippa Forge (Formerly)	Beaver County Corp Economic Development	G	37,500	✓		SW
Beaver	Bollinger Steel (Formerly)	Ambridge Borough	G	147,180		✓	SW
Beaver	Hydril Co (Formerly)	Beaver County Corp Economic Development	G	75,000	✓		SW
Beaver	Marino Brothers Inc Scrapyard	Beaver County Corp Economic Development	G	129,303	✓		SW

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Financial Assistance: Awarded this year Awarded previous years

Financial Assistance



County	Project	Applicant	Type	Amount	Assessment	Remediation	Region
Beaver	Morini Market (Formerly)	Koppel Borough	G	3,037	✓		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 Area	Greater Berks Industrial Area Development Fund	G	150,000	✓		SC
Berks	Camp Hosierey Bldg (Formerly)	Greater Berks Industrial Area Development Fund	G	71,470	✓		SC
Blair	Conrail (Powell) (Formerly)	Altoona-Blair County Development Corp	G	67,500	✓		SC
Blair	Conrail Storehouse (Formerly)	Altoona-Blair County Development Corp	G	44,100	✓		SC
Bucks	North American Technology Center	Federal Land Reuse Auth	G	176,179		✓	SE
Bucks	Oil and Chemical Co (Formerly)	Bristol Borough	G	74,000		✓	SE
Bucks	Riverfront North	Bucks County Redevelopment Auth	G	87,356		✓	SE
Butler	Pullman Standard (Formerly)	Community Development Corp of Butler County	G	55,000		✓	NW
Cambria	Cambria Iron Works (Formerly)	Johnstown Redevelopment Auth	G	150,000	✓		SW
Cambria	Coal Mine (Formerly)	Cambria County Conservation and Recreation Auth	G	200,000	✓		SW
Cambria	HIG Management Capital	Johnstown Redevelopment Auth	G	200,000	✓		SW
Centre	Northern Counties Coal Co (Formerly)	Moshannon Valley Economic Development Association Inc	G	1,425	✓		NC
Chester	Coatesville Sewing Facilities (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
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	Spaulding's Bldg (Formerly)	Crawford County Properties	G	15,000	✓		NW

Financial Assistance

County	Project	Applicant	Type	Amount	Assessment	Remediation	Region
Dauphin	Whitaker	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 Redevelopment Auth	G	200,000	✓		SE
Erie	City Auto Parts (Formerly)	Greater Erie Industrial Development Corp	G	30,000	✓		NW
Erie	City Auto Parts (Formerly)	Greater Erie Industrial Development Corp	G	193,358		✓	NW
Erie	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
Fayette	Gas Station Labelle Road (Formerly)	Fayette County Redevelopment Auth	G	5,017	✓		SW
Franklin	Loewengart Tannery (Formerly)	Mercersburg Borough	G	39,788	✓		SC
Franklin	Loewengart Tannery (Formerly)	Mercersburg Borough	G	196,527		✓	SC
Greene	Mathers Refuse (Formerly)	Greene County IDA	G	16,500	✓		SW
Lackawanna	Carbondale Yards	Carbondale IDA (SJ Bailey and Sons)	G	41,625		✓	NE
Lackawanna	Carbondale Yards	Carbondale IDA (SJ Bailey and Sons)	G	87,391	✓		NE
Lancaster	Heritage Trading Co (Formerly)	Redevelopment Auth of Lancaster City	G	280,500		✓	SC
Lawrence	Lockley Mfg Co (Formerly)	Lawrence County EDC	G	13,500	✓		NW
Lebanon	Foundry (Keenan Project) (Formerly)	Lebanon Valley EDC	G	59,925	✓		SC
Lebanon	Property A&B	Curry Flour Mills Inc	L	53,062	✓		SC
Lehigh	Lehigh Landing	Allentown Commercial and Industrial Development Auth (Lehigh Landing)	G	200,000	✓		NE
Lehigh	Lehigh Landing	Allentown Commercial and Industrial Development Auth (Lehigh Landing)	G	1,000,000		✓	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		✓	NC
Lycoming	Herman Rynveld's and Son (Formerly)	R Radar Industrial Complex Inc	G	103,072		✓	NC
Lycoming	Newberry Yard	SEDA-COG Joint Rail Auth	G	45,000	✓		NC
McKean	Habgood Business Development Center	City of Bradford	G	29,454		✓	NW

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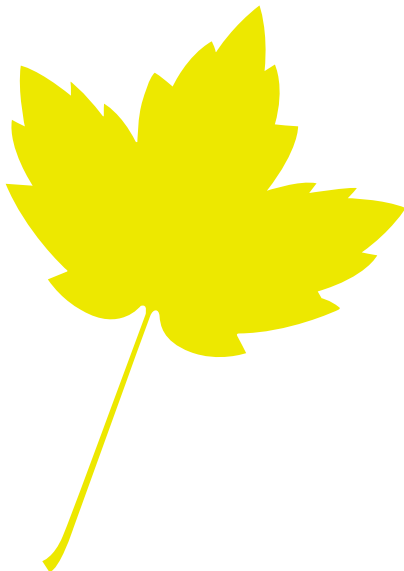
Financial Assistance: Awarded this year Awarded previous years

Financial Assistance

County	Project	Applicant	Type	Amount	Assessment	Remediation	Region
McKean	Municipal Dump (Glass Factory) (Formerly)	Hamlin Twp	G	5,325	✓		NW
Mercer	Caparo Steel (Formerly)	Shenango Valley Industrial Development Corp	G	52,160	✓		NW
Mercer	Caparo Steel (Formerly)	Shenango Valley Industrial Development Corp	G	378,562		✓	NW
Mercer	Sharon Steel (1 acre) (Formerly)	City of Farrell	G	8,685	✓		NW
Mercer	Sharon Steel (17 acres) (Formerly)	City of Farrell	G	17,351	✓		NW
Montgomery	Ardmore Redevelopment	Redevelopment Auth of the County of Montgomery	G	75,000	✓		SE
Montgomery	GKI Bldg	Johnstown Redevelopment Auth	G	4,493	✓		SE
Northampton	Blue Ridge Winkler (Formerly)	Northampton County	G	75,262	✓		NE
Northampton	New Jobs Corp	Northampton County	G	57,399	✓		NE
Northampton	Union Station Railroad Property	Bethlehem Economic Development Corp (Union Station Railroad)	G	21,293		✓	NE
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	Gas Station (Formerly)	Philadelphia Redevelopment Auth	G	616,260		✓	SE
Philadelphia	Gould Batteries (Formerly)	City of Philadelphia	G	38,287	✓		SE
Philadelphia	Gould Batteries (Formerly)	City of Philadelphia	G	186,652		✓	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	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	City of Philadelphia	G	900,000		✓	SE
Philadelphia	Summerdale Avenue (Langdon)	City of Philadelphia	G	11,850	✓		SE
Philadelphia	West Girard and Merion Avenues	City of Philadelphia	G	8,985	✓		SE
Potter	Damascus Tanning (Formerly)	Potter County Redevelopment Auth	G	43,451	✓		NC
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
Warren	National Forge Co AOC-2	Warren County Development Association	G	6,645	✓		NW
Warren	Struthers Wells (Formerly)	SPEDD Inc	G	63,464		✓	NW
Warren	Warren Industrial	SPEDD Inc	G	60,046		✓	NW
Washington	Clyde Mine Preparation (Formerly)	Middle Monongahela Industrial Development Association Inc	G	175,629	✓		SW

Financial Assistance

County	Project	Applicant	Type	Amount	Assessment	Remediation	Region
Washington	Iron and Metal (Formerly)	New Eagle Borough Municipal Auth	G	56,402	✓		SW
Washington	North Union Avenue and Robinson Street	New Eagle Borough Municipal Auth	G	605,250		✓	SW
Westmoreland	Westinghouse Electric (Formerly)	Development Strategies	G	161,250	✓		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	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 Gas Station (Formerly)	Franklintown Borough	G	30,000	✓		SC
York	Jomex Co (Formerly)	York County Industrial	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	PillowTex (Formerly)	York County Redevelopment Auth	G	531,000	✓	✓	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



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

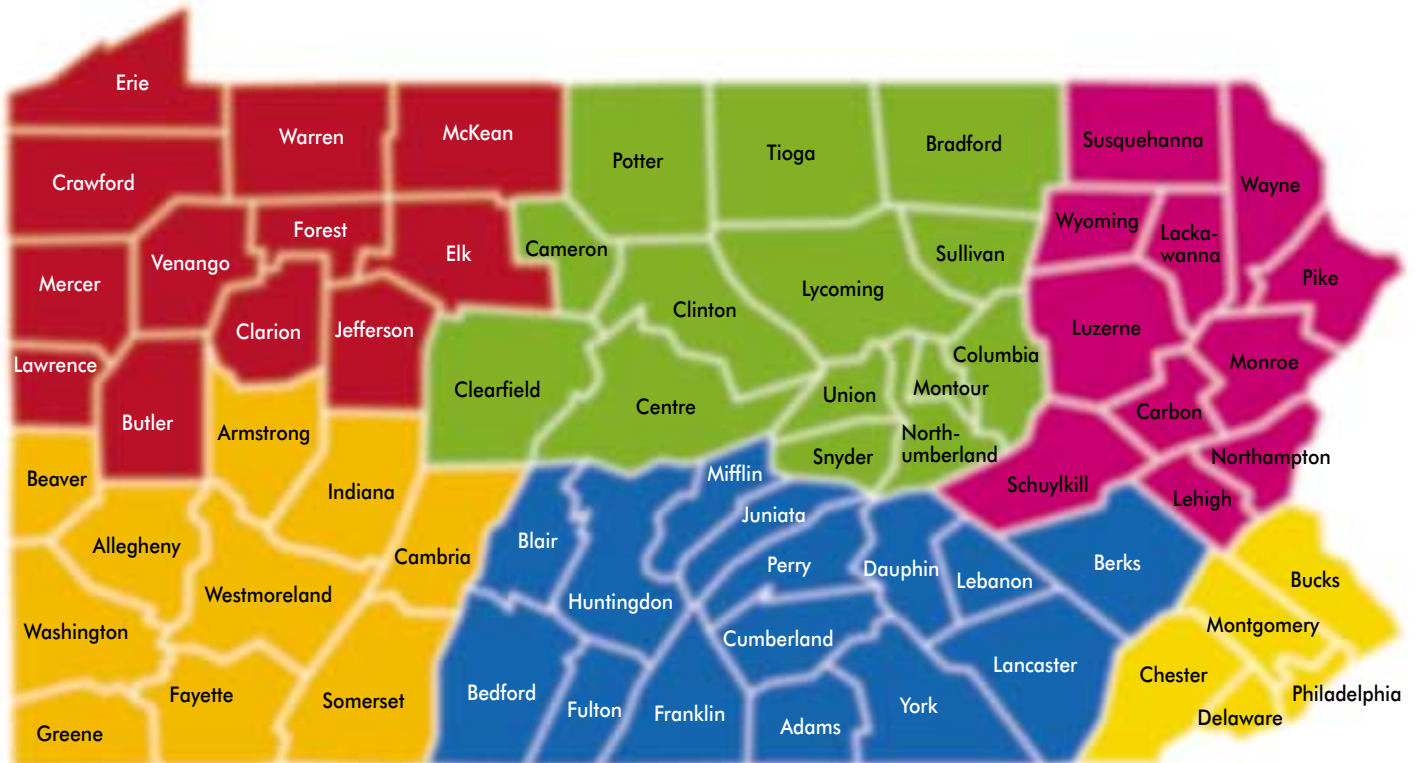
Financial Assistance: Awarded this year Awarded previous years

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



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Discuss your new cleanup options with our staff

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Central Office



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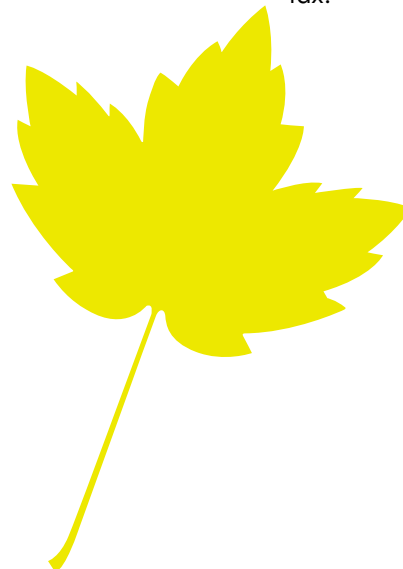
Northcentral Regional Office



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A photograph of a tree with pink blossoms in a forest setting. The tree is the central focus, with its branches extending across the frame. The blossoms are a vibrant pink color, contrasting with the darker, bare branches and the green foliage in the background. The lighting is bright, suggesting a sunny day. The overall scene is a natural, outdoor setting.

greenspace

value

sustainability