



Annual Report 2005



Bob Taft, Governor
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Bob Taft, Governor



Joseph Koncelik, Director

Improving Water Quality

Another Milestone Reached Water Quality in East Branch of Black River Continues to Improve

On Earth Day in April 2004, Gov. Bob Taft announced that the Black River had reached two milestones. Once identified as one of Lake Erie's most contaminated tributaries, a 21-year-old contact advisory on the lower five miles of the river was lifted and U.S. EPA declared the river to be in recovery for fish tumors and deformities. Sixteen months later, the river marked yet another milestone in its journey to recovery.

In 2005, U.S. EPA's Great Lakes National Program Office determined that benthic macro invertebrates, or the community of organisms that live at the bottom of streams, have fully recovered in the East Branch of the Black River. This is an important indicator that water and habitat quality continue to improve.

After reviewing the latest benthos sampling results submitted by Ohio EPA and the Black River Remedial Action Plan (RAP) coordinating committee, U.S. EPA agreed to change the status of benthos in the East Branch sub-watershed from impaired to not impaired.

The announcement that benthos populations in the East Branch are no longer considered impaired is the first delisting of any kind on the U.S. side of the Great Lakes.

The remarkable recovery of benthos is proof that pollution control efforts are working in the East Branch of the Black River, which flows through Medina and Lorain counties. Improvements to Elyria's wastewater collection system and upgrades at the Grafton wastewater treatment plant are credited for the cleaner water.

While the Black River watershed still faces a number of impairments, the return of a healthy benthos population is expected to result in a better environment for fish. Measurements of benthos populations is just one method Ohio EPA uses to characterize the current status and to track or predict significant changes in the quality of water resources. Ohio EPA has been recognized as one of the leaders in the use of biological indicators and has integrated biological criteria into the state's water quality standard regulations.

U.S. EPA's announcement was welcome news to Ohio EPA and the 25 public and private partners that make up the Black River RAP coordinating committee. Together, the Agency and RAP members are taking on the remaining impairments by identifying pollution problems and implementing solutions. The long-term goal is full restoration and protection of water quality throughout the Black River watershed.



Recovering from Natural Disasters

When Natural Disasters Strike, Ohio EPA Helps Survivors Strike Back The Agency is a Key Player on the Ohio Emergency Operations Team

While hurricanes don't come far enough inland to wreak direct havoc in the Midwest, the weather patterns they influence often bring heavy rain and flooding. The damage that ensues is far-reaching – sometimes destroying homes more than a thousand miles from the coast. During and after a natural disaster, Ohio EPA plays a large role as a member of the Ohio Emergency Management Agency's (OEMA) team.

The [Division of Emergency and Remedial Response](#) (DERR) has the primary responsibility for providing Ohio EPA staffing at the State Emergency Operations Center (EOC).

The EOC, located in Columbus, is a self-contained command post. It has an emergency operations room with 52 work stations, its own power supply, communications facilities and air filtration system.

Ohio EPA's divisions of Emergency and Remedial Response (DERR), [Drinking and Ground Waters](#) (DDAGW), [Surface Water](#) (DSW), [Hazardous Waste Management](#) (DHWM), [Air Pollution Control](#) (DAPC) and [Solid and Infectious Waste Management](#) (DSIWM) are heavily involved in helping communities recover from natural disasters.

In addition to staffing the EOC, DERR's Emergency Response (ER) Unit staff provide continuous coverage for the Agency's emergency response hotline number, where individuals can report any spills that might occur. DAPC may need to respond to open burning issues and other potential contaminant releases to the air. Infectious waste may also become a problem when hospitals or clinics suffer damage.

All natural disasters pose a significant recovery obstacle: debris. Ohio EPA provides education and assistance to local emergency management teams before a crisis occurs. In order to assist local officials with decision-making, DSIWM has worked closely with OEMA to develop a debris management fact sheet, as well as a sample debris management plan.

Ohio EPA and OEMA also present a debris management class to teach emergency, county and municipal officials how to respond to natural disasters by providing information and asking vital questions such as: Who will do what? Who needs to be brought in to respond? Who will lead the response? What resources do we have or need to respond to an event? How will we collect debris and where will we take it? Developing a plan before a disaster occurs can help communities respond more effectively and recover more quickly.

Revitalizing Communities

Ohio EPA Celebrates 10th Anniversary of First Cleanup Covenant

In the 10 years since Ohio EPA issued the first liability release for a voluntary environmental cleanup, at least 2,500 acres of blighted land have been revitalized at more than 150 sites in Ohio.

The Voluntary Action Program (VAP) allows people to investigate possible environmental contamination, clean it up if necessary and receive a promise from the State of Ohio that no more cleanup is needed. This document, known as a covenant not to sue, is often the tool communities need to remove legal barriers and help bring about redevelopment.

By the end of the fiscal year, Ohio EPA had issued 154 covenants for sites successfully cleaned up, and 25 projects were pending approval. Even more important, the VAP established the first cleanup standards in Ohio, so a property owner has a formula to follow to be recognized for proper cleanup.

Because the program is voluntary, Ohio EPA does not have data on how many sites have been cleaned using the standards that did not seek a formal covenant, but reports from certified professionals who use the standards indicate there could be as many as 2,000 to 3,000 undocumented locations that have benefited from VAP cleanup standards.

The City of Toledo is just one of the communities that have benefited from the Voluntary Action Program in the last decade. The city received a covenant not to sue for the Toledo Prison Facility shown below. Construction and operation of the facility has created jobs and a reliable tax revenue for the city.

Ohio's VAP is privatized, meaning a company does not have to notify the state about a cleanup effort unless they elect to apply for a covenant not to sue or seek technical assistance. Some participants wanted federal comfort as well, so in 2001, Ohio EPA and U.S. EPA introduced a Memorandum of Agreement (MOA) program to allow that option. During SFY 2005, one site successfully followed the MOA track and received a state covenant and federal approval.



Restoring the Cuyahoga

Dam Project Restores Cuyahoga's Flow through Kent

The Cuyahoga River Restoration Project reached a milestone on May 20, 2005, with the dedication of the Kent Heritage Park, marking the successful completion of the project. Hundreds gathered to watch as the waterfall was turned on at the Kent Dam during the dedication ceremony. The park was built on land formerly covered by a stagnant dam pool.

Although dams have been on the Cuyahoga River in Kent since 1836, the most recent dam created a backwater pool that extended a mile upstream. The pool contributed to the river's stagnation during summer months, limiting the aquatic life associated with a healthy river. The dam blocked the passage of fish to certain portions of the river system.

The project, funded by two \$1.2 million Ohio EPA [Water Resource Restoration Sponsor Program](#) (WRRSP) grants, a \$500,000 Nonpoint Source Pollution Grant from Ohio EPA and U.S. EPA and a \$636,000 grant from the Clean Ohio Fund, routed the river around the dam by means of a bypass channel, thus remediating the habitat in the former dam pool. This created the natural flow regime, restored the aquatic habitat, allowed fish passage and eliminated low dissolved oxygen concentrations.

Reattainment of fish standards for that portion of the Cuyahoga River has been documented, and the project is expected to serve as a model for dam modifications across the country. Additional photos and details about the Cuyahoga River Restoration Project in Kent can be found by clicking on the special reports tab on the City of Kent Web site at <http://www.kentohio.org>.



Improving Compliance

Ohio EPA Opens New Office of Compliance Assistance and Pollution Prevention

On October 1, 2004, Ohio EPA opened a new [Office of Compliance Assistance and Pollution Prevention](#) (OCAPP) to provide a one-stop location for businesses seeking information about environmental regulations, compliance concerns and pollution prevention.

The office provides free and confidential compliance and pollution prevention assistance on environmental issues related to air, land and water. Services include a toll-free hotline (800-329-7518), Web site, environmental workshops and publications that explain environmental requirements in plain English. Ohio businesses with fewer than 100 employees are eligible for compliance assistance services including on-site compliance assessments. Businesses of all sizes are eligible for advice and on-site assessments regarding pollution prevention.

Staff from the Small Business Assistance Office (previously focused on Central Ohio), the Small Business Assistance Program (previously dealing only with air issues) and the Office of Pollution Prevention were combined to form the new office. Combining resources enabled Ohio EPA to expand its services without new funding.



Protecting the Great Lakes

Great Lakes Regional Collaboration Strives to Protect Great Lakes

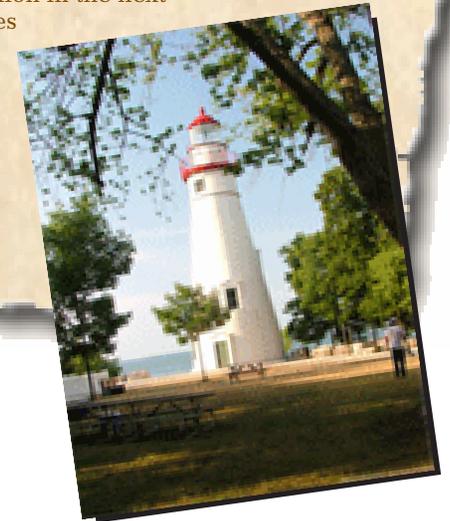
Created by a Presidential Executive Order, the Great Lakes Regional Collaboration (GLRC) is directed by an Executive Committee whose members represent the federal government, the eight Great Lakes States, tribal nations and the region's cities and Congressional delegation.

Since its inception, Ohio EPA has played a key role in the Collaboration. Director Joe Koncelik represents Ohio on the Executive Committee, and also served as co-chair of the team that wrote the chapter on Areas of Concern. Ohio EPA staff also participated on teams addressing toxic pollutants and nonpoint source pollution.

In all, there were eight strategy teams, each of which wrote a chapter of the final report. They included: aquatic invasive species; areas of concern; coastal health; habitat and species; nonpoint source pollution; toxic pollutants; indicators and information; and sustainable development. Participation in the teams was open to all interested parties, and more than 1,500 people from all levels of government, agriculture, business, environmental groups and academia volunteered to help develop the strategy.

Because of this broad participation, the Collaboration's report can be viewed as a blueprint for future actions to protect the Great Lakes, and attention can now turn to implementing the actions recommended in the plan. As a start, some members of the Executive Committee have submitted a request for federal funding totaling \$300 million in the next federal budget. The Collaboration's report is based on priorities for the Great Lakes developed by the eight Great Lakes governors, under the leadership of Governor Bob Taft in his role as chair of the Council of Great Lakes Governors.

For more information, visit the GLRC Web site at:
<http://www.glrc.us>.



Ensuring Safe Drinking Water

Inter-Agency Probe Reveals Source of South Bass Island Outbreak

During the summer of 2004, 1,450 cases of gastrointestinal illness in residents and visitors to South Bass Island were reported.

The Village of Put-In-Bay has a population of 350 people on a year-round basis, and up to 25,000 people per day on a seasonal basis. Drinking water on the island is provided through a number of public and private water systems. Ohio EPA regulates public water systems, however residential wells and smaller businesses are regulated by the Ottawa County Health Department. The village is served by a community public water system that uses Lake Erie as its source of water.

Following the outbreak, multiple organizations, including Ohio EPA, Ohio Department of Health, Centers for Disease Control and Prevention (CDC) and Ottawa County Health Department, were called in to investigate the cause.

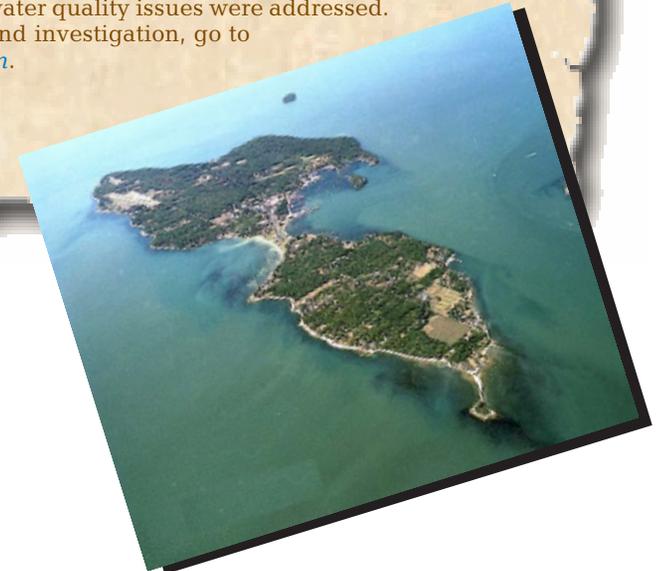
The probe identified widespread ground water contamination as the most likely source of the illnesses. This came about through exhaustive studies of ill persons who fit the case definition; extensive testing of many water systems on the island; a review of past hydrological studies of the island and the aquifers; and a case-control study that compared sick persons with their unaffected traveling companions.

After examining the findings, the investigating agencies determined that the illness was caused by microbiological organisms, including 16 cases of *Campylobacter* species, nine cases of norovirus, three cases of *Giardia* species and one case of *Salmonella typhimurium*.

Establishments with contaminated ground water sources were instructed to clean their supplies or connect to municipal water systems.

Prompt investigation and action by Ohio EPA and local and State health officials led to a measurable drop in reported illnesses after the water quality issues were addressed.

For more information about the South Bass Island investigation, go to <http://www.epa.oh.us/ddagw/SBIweb/SBImain.htm>.



Division of Air Pollution Control



- Operated one of the country's most extensive air pollution monitoring networks, comprised of 245 ambient air monitors, including 49 ozone monitors.
- Developed and implemented new permit-by-rule and general permit programs designed to improve the efficiency of the air permitting program by streamlining the permitting process while maintaining rigorous pollution control standards.
- Developed the 2002 point, area and mobile source inventory which will be used as the basis for plans to bring Ohio's nonattainment areas into attainment.
- Reviewed and issued more than 1,000 permits for new air pollution sources. Of these permits, 94 percent were issued within the 180-day performance standard. In all, Ohio has as many as 80,000 sources of air pollution in the permit system, including 743 major facilities that require comprehensive state and federal operating permits.
- In November 2004, issued all of the remaining initial Title V air permits which ranged in size from 25 to more than 2,500 pages. Ohio was the first state in Region V to reach this goal.
- Resolved 115 enforcement cases during the 2004 calendar year, including 67 through administrative orders for a total of \$1,398,924 in administrative penalties. That is the most cases resolved with administrative orders by the division in the past nine years. In cooperation with the Ohio Attorney General's Office, resolved 11 air enforcement cases and assessed \$2,550,348 in civil penalties.
- Administered the automobile inspection and maintenance program known as E-Check which required vehicles in 14 Ohio counties to be tested biennially to ensure that the emission control systems on their vehicles are operating correctly.
- Worked with U.S. EPA to facilitate the redesignation of the Cincinnati area for the 1-hour ozone standard. This change in attainment, which became effective on June 14, 2005, results in less stringent requirements for new facilities and for the expansion of existing facilities and provides additional flexibility in developing the control strategy for the 8-hour ozone standard.
- Conducted 1,188 facility-wide inspections for compliance with air pollution rules; 2,050 inspections of gasoline-dispensing facilities; and monitored 948 facility emissions tests.
- Conducted specialized air toxic monitoring studies in Fayette County Schools in Fulton County, Conneaut Dock in Ashtabula County, Addyston in Hamilton County, Warren Landfill in Trumbull County and Eramet in Washington County.
- Completed multiple air pollution modeling studies for new sources and extensive modeling in order to understand the ramifications of various proposed control strategies.

Division of Drinking & Ground Waters



- Through mailing reminders and site inspections, staff in the Underground Injection Control Unit located and closed 98 motor vehicle Class 5 disposal wells.
- Developed a new Web page to provide timely, understandable information for the general public on health-related drinking water advisories for public water systems. Advisories are issued by water systems when a concern about the safety of the water supply is present. Each advisory on the site contains information on the reason for the advisory, where it is located, who is affected, when the advisory began, what is being done to correct the situation and where to get additional information.
- To ensure a consistent and effective approach to protecting Ohio's ground water, completed 2,866 projects in support of the Office of Federal Facilities Oversight (113); Division of Hazardous Waste Management (786); Division of Surface Water (59); Division of Solid and Infectious Waste Management (1,469); and Division of Emergency and Remedial Response (439).
- With assistance from staff in the Division of Hazardous Waste Management and Division of Emergency and Remedial Response, issued new guidance related to the use of direct push technology to characterize waste sites. This technology involves driving or pushing small-diameter rods and tools to collect soil or ground water samples or measure onsite physical or chemical conditions.
- Completed more than 1,500 source water assessment reports for public water systems and distributed more than 3,000 *Developing a Drinking Water Source Protection Plan* training CDs to public water system operators.
- Improved customer service through the timely review of engineering plans. Central Office plan review staff completed initial reviews for 36 out of 37 submitted plans within the established goal and met subsequent review goals for 54 out of 56 plan reviews.
- Issued "*Guidance on Total Coliform Bacteria Monitoring for Small Public Water Systems (Population Less Than 3,301 Persons)*," to assist small public water systems with their total coliform bacteria monitoring.
- Began using new software to develop the operator certification exams and changed the format and grading of exams. The test development software allows staff to store all exam questions, input references for the individual questions, designate exams on which the questions will appear and automatically reshuffle the order of the questions for new exams. The new system has also improved the distribution of test results – they can now be provided within two to three weeks after the exam date. Previously, it may have taken up to two to three months to provide exam results.
- Issued 41 enforcement orders, with associated civil penalties of \$435,950, the most in one year in the division's history. At 182 days, the division maintains the lowest average case age for administrative cases of any program.

Division of Emergency & Remedial Response



- Received 10,529 calls on the toll-free spill hotline.
- Recorded 5,338 incident reports and 338 additional reports on previously reported incidents.
- Responded to the scene of 1,262 incidents and provided technical assistance by phone to an additional 427 incidents.
- Recorded 284 reports regarding mercury, responded to the scene of 195 of these incidents and provided technical assistance by phone in 38 more.
- Investigated 166 reports of orphan drum sites, of which 66 required cleanup.
- Since 2002, \$79,555,992 in Clean Ohio Revitalization funds have been awarded by the 13-member Clean Ohio Council to 34 brownfield clean-up projects, involving more than 660 acres.
- Since 2002, \$18,088,120 in Clean Ohio Assistance funds have been awarded by the Ohio Department of Development (ODOD) to approximately 60 projects, totaling more than 1,053 acres. Of these projects, six were Phase I Environmental Assessments, 40 were Phase II Environmental Assessments and 14 were clean-up projects. Ohio EPA reviews the environmental aspects of applications for these funds.
- Conducted site assessments at 12 federal-lead sites to evaluate whether they were eligible for cleanup by U.S. EPA under Superfund.
- Conducted five targeted brownfield assessments to determine if contamination exists and to aid communities in planning for the cleanup and redevelopment of brownfield properties. At the request of local governments and at no cost to the communities, Ohio EPA has assessed more than 508 acres through these assessments to date.
- Updated *Use of Risk-Based Numbers in the Remedial Response Program Overview* to clarify how site-specific preliminary remediation goals are calculated and to better describe the process of developing site-specific remediation goals for a site.
- Developed data verification procedures, guidance and checklists to use when data packages are received to ensure the quality of data used to make technical decisions and evaluate whether laboratory and field analytical procedures were properly followed.
- Reached a consensual agreement with The Goodyear Tire and Rubber Company and several landowners to determine the nature and extent of contamination at the former Jackson County Landfill and to develop and evaluate potential remedial alternatives for cleanup of the site.
- Through the Voluntary Action Program (VAP), provided technical assistance for 26 municipally owned or operated properties at no charge through a pass-through brownfields grant from U.S. EPA. The assistance allowed the communities to make significant progress with site assessment and cleanup.
- Provided technical assistance to 46 property owners or volunteers to facilitate voluntary action activities.
- Issued 20 covenants-not-to-sue resulting in 384 acres of land across Ohio being deemed protective of human health and the environment and available for productive reuse. Since the inception of the VAP, at least 2,500 acres of Ohio land have been made available for reuse.
- Enforcement efforts will result in cleanups at three sites at an estimated cost to responsible parties of \$7.5 million.

Division of Environmental & Financial Assistance



- Through the Water Supply Revolving Loan Account (WSRLA), made 18 loans for more than \$65.6 million, saving recipients more than \$12.2 million. Of this amount, \$16.9 million was for water transmission and distribution lines, \$45 million was for treatment facilities and \$3.8 million was for storage tanks and development of water sources.
- Provided small community loans of \$3.7 million to the Village of Covington for construction of a new wellfield and water treatment plant to avoid existing bacterial contamination and provide a safer, more reliable and higher quality drinking water supply and \$1.7 million to the Lakengren Water Authority for construction of a new water treatment plant to replace facilities which were built in 1969. The new plant will provide additional iron and manganese removal, allowing the water authority to provide a safer and more reliable source of drinking water.
- Through the Water Pollution Control Loan Fund (WPCLF), saved communities more than \$137 million and allowed implementation of 71 projects costing more than \$566 million that directly addressed sources of impairment for Ohio water resources.
- Awarded \$592.3 million through the WPCLF, the highest annual total since the Fund's inception, and exceeded the \$3.6 billion mark for total loans awarded.
- Through the WPCLF, awarded \$91.7 million to the City of Columbus for the second phase of the Big Walnut/Rickenbacker Interceptor, which will relieve overloaded sewers in the southern section of Franklin County and provide for future service in this portion of the metropolitan area. Also awarded \$129.9 million to the City of Toledo for six projects to control combined sewer overflows, enabling it to meet the requirements of a federal consent decree and improve water quality in Maumee Bay and Lake Erie.
- Through the Water Resource Restoration Sponsor Program (WRRSP), financed 12 projects for more than \$21 million to protect and restore stream and wetland aquatic habitats in the Olentangy, Darby Creek, Little Miami, Cuyahoga, Silver Creek, Tinkers Creek and Maumee watersheds.
- Through the WRRSP, provided \$124,000 for the restoration of Powderlick Run, a channelized stream in the Bokes Creek / Mill Creek watershed in Union County and \$1 million for the Conneaut Creek Riparian Habitat Protection project, allowing ODNR Division of Natural Areas and Preserves to acquire and permanently protect streamside habitat along this state scenic river.
- Devoted more than \$26 million of assistance to reducing nonpoint sources of water pollution including \$4 million provided to 109 farmers in the Maumee River watershed to improve agricultural practices which will reduce nonpoint source pollution to Lake Erie.
- Provided a \$747,000 zero-interest-rate hardship community loan to the Village of Morristown to build badly needed sewers to eliminate the public health risks posed by failing septic systems.
- Provided wastewater technical assistance to 23 small, economically challenged communities for a total savings of more than \$38.4 million on \$73.9 million in facilities planning, design and construction projects.
- Through the WPCLF linked deposit program, provided interest rate reductions for 119 loans totaling \$4.9 million to private agricultural producers for implementation of best management practices to control nonpoint water source water pollution. These farmers saved more than \$900,000 when compared to the cost of conventional financing.
- Participated in the development of national environmental measures of accomplishment for the Clean Water Act state revolving fund programs and began applying those measures to funded projects.

Division of Environmental Services



- Analyzed 9,560 samples, including samples for surface water (5,991), bioassays and chlorophyll (174), drinking water (689), ground water (551), air (660), fish tissue (1,144), solid and hazardous waste (89) and other miscellaneous programs.
- Reported 144,484 inorganic and 103,260 organic test results.
- Added or amended six analytical methods to improve laboratory services.
- Initiated method changes for extraction of semivolatile organic samples resulting in a 10 percent price reduction for customers.
- In conjunction with the Division of Surface Water, implemented the CyberIntern project for sample receiving. This sample bar coding system allows field staff to create, via computer, labels and sample submission forms for sample containers, eliminates tedious hand-labeling of containers and forms, increases accuracy of site and collector information, and allows this information to be uploaded directly to the lab's database.
- Reviewed 113 laboratory documents, audited five laboratories and issued 24 certification actions and seven suspensions or revocations for the Voluntary Action Program laboratory certification program.
- Conducted 323 chemistry and 130 microbiology lab surveys and reviewed 289 applications, 31 plans and 131 correction statements for the drinking water laboratory certification program. Issued two newsletters on drinking water laboratory policies and procedures.
- Responded to 3,412 technical assistance requests from individuals outside Ohio EPA, 1,451 technical assistance requests from Ohio EPA staff and 1,247 sample submission coordination calls. Provided training or made presentations at 12 non-Ohio EPA events.
- Reviewed three technical documents and six policies for the Division of Emergency and Remedial Response.
- Provided input on rule development to implement the credible data bill, particularly in the areas of laboratory methods and requirements.
- Continued normal business operations while monitoring construction of the new laboratory facility located in Reynoldsburg. The 77,000-square-foot, state-of-the-art facility will house Ohio EPA's laboratory as well as the laboratories of the Ohio Department of Health. By the end of June 2005, the basic structure of the building was complete and installation of mechanical systems and laboratory furnishings was underway.

Division of Hazardous Waste Management



- Determined human exposures are under control at The Scotts Company, Cytec, Diamond Hard Chrome, Owens Corning and Clean Harbors; determined migration of contaminated ground water is under control at AK Steel Cambridge and Meritor Heavy Vehicles.
- Provided technical assistance/educational outreach including more than 1,500 phone calls; nearly 500 faxes/e-mails/documents and letters; 15 presentations; 19 newsletter articles; and 13 guidance documents and fact sheets.
- Conducted compliance evaluation inspections at 117 hazardous waste treatment, storage and disposal facilities and 161 large quantity generators.
- Through Ohio's Cessation of Regulated Operations program, inspected 47 facilities and approved 14 extensions.
- Issued 20 enforcement orders, exceeding the division's goal of 17. At the end of 2004, the division had the second lowest average case age for all enforcement programs at 192 days, or about six months.
- Made 11 enforcement referrals to the Attorney General's Office (AGO). Issued 18 final director's enforcement orders including \$490,220 in civil penalties, of which \$105,102 was directed toward four supplemental environmental projects. Executed four judicial consent orders through the AGO including \$287,500 in civil penalties, of which \$245,000 was directed toward supplemental environmental projects.
- Approved 22 closure cleanup plans and accepted 10 final certifications documenting that facilities completed closure in accordance with their approved closure plans.
- Achieved proper off-site treatment or disposal of 1,000 tons of hazardous waste contaminated media and debris and proper on-site disposal of 280,000 tons of hazardous waste contaminated media and debris as a result of approved closure activities.
- Processed 174 Class 1, 50 Class 1A, 27 Class 2 and five Class 3 permit modifications. The class numbers refer to the complexity and administrative oversight of the proposed modifications. Class 1 modifications are generally simple and routine changes; Class 2 modifications are generally proposed to maintain safety or conformance with regulations; and Class 3 modifications cover major changes that substantially alter the facility or its operations.
- Issued hazardous waste operating permit renewals for three treatment, storage and/or disposal facilities.
- Completed review of more than 1,300 Annual Hazardous Waste Reports for 2003 and forwarded that data to U.S. EPA who used it in compiling a national report. Conducted three annual report-training sessions for more than 200 handlers required to submit them. Received and began review of more than 1,100 Annual Hazardous Waste Reports, including 565 electronically.
- Approximately 24 percent of the handlers were first time notifiers – seven percent of which were for temporary, short-term hazardous waste handling activities.

Division of Solid & Infectious Waste Management



The Kirby site has undergone a dramatic change since Ohio EPA began site cleanup in 1999. In the past six years, the equivalent of more than 16 million passenger tires have been removed from the site. This is more than the scrap tires from all the other 14 sites during the same period.

- Provided oversight of 58 operating landfills; 59 transfer facilities; 470 compost facilities; 35 scrap tire facilities; 73 scrap tire transporters; 68 construction and demolition debris landfills; 52 solid waste management districts; and 84 approved local health district programs.
- Regulated the management and treatment of infectious waste involving more than 3,199 generators; 71 transporters; and 112 Ohio treatment facilities.
- Assessed \$3.7 million in civil penalties (\$2.9 by the Attorney General's Office and \$854,524 in administrative penalties).
- Through the scrap tire abatement program, contracted for cleanup of the worst illegal tire dumps in Ohio and removed more than five million passenger tire equivalents (PTEs) from seven sites during SFY 2005. A passenger tire equivalent is 20 pounds of tire material, so this represents more than 50,000 tons of material. More than 80 percent of this material was recycled for use in civil engineering projects and as tire-derived-fuel. Projects included the removal of more than 3,680,000 PTEs from the Kirby site in Wyandot County; 539,000 PTEs from the Parker site in Summit County; 504,000 PTEs from the Rader site in Morrow County; 176,000 PTEs from the Adriatic site in Mahoning County; 147,000 PTEs from the Benedict-Woosley site in Morrow County; 21,000 PTEs from the Harr site in Scioto County; and an additional 8,600 PTEs from the McMasters site in Portage County. The Harr site also include the removal of almost 13,000 tons of fire residuals from a fire that consumed more than 500,000 tires in January 1998.
- Continued to address compliance issues and potential environmental and health concerns at a number of construction and demolition facilities and to support legislative proposals to increase the environmental monitoring and regulation of these facilities to ensure they are environmentally protective.
- Partnered with U.S. EPA to begin multi-million dollar remedial action for hydrogen sulfide produced at a Warren, Ohio, construction and demolition debris disposal facility while pursuing enforcement against the facility.
- Continued efforts to monitor and pursue enforcement against the acceptance of pulverized and highly processed construction and demolition debris, which has been linked to generation of hydrogen sulfide.
- Published the *Geotechnical and Stability Analyses for Ohio Waste Containment Facilities* manual. This manual has been characterized in a technical journal as what may be the most definitive free work available about the specific geotechnical issues facing landfills. The manual discusses slope stability issues and detailed analysis for landfills and other waste containment structures.

Division of Surface Water



- With the Division of Environmental Services (DES), developed CyberIntern, a computer application that electronically tracks and labels water samples collected in streams and rivers throughout the state. In addition to ensuring accuracy in the chain of custody of field samples, CyberIntern saves significant staff and time in the field.
- Drafted credible data rules to implement a new program which will allow interested citizens to participate in monitoring and assessment of Ohio streams. The rules establish the requirements for eligibility and sampling plans for three levels of data collection based on varying degrees of scientific rigor.
- Completed the Big Darby Creek Watershed Total Maximum Daily Load (TMDL) project. Among the many TMDL projects completed by the division to date, the Big Darby was unique due to its highly sensitive and diverse ecosystem. The project also wove together a particularly in-depth analysis of the watershed, brought together local planning interests, piloted an innovative use of authority over storm water runoff and integrated different water planning forums.
- Filed permit-to-install (PTI) rules that created a procedure for issuing general PTIs and added the first technical PTI rules. These rules represent a significant step forward for the PTI program in streamlining and program efficiency.
- Issued the first general permit for discharges from concentrated animal feeding operations.
- Successfully lobbied for a new Section 401 fee in the state's budget. The fee increase will provide meaningful monetary support and application requirements to strengthen the program.
- For the first time, received direct support for Section 401 program implementation in the form of a \$900,000 grant from U.S. EPA to provide support and improve wetland mitigation in Ohio.
- Settled a U.S. Army Corps of Engineers appeal of a Section 401 permit regarding the dredging of Toledo Harbor. As a result of the settlement, steps will be initiated that could ultimately eliminate the open lake disposal of Toledo Ship Channel dredged material.
- Issued 56 enforcement orders, the highest number of cases resolved by the division since 1992. The division also assessed total penalties of more than \$11 million, the highest for the division since the Agency started compiling these statistics in 1990.

Office of Compliance Assistance & Pollution Prevention

- Helped more than 1,024 Ohio businesses and 474 other external customers with their pollution prevention and compliance needs.
- Conducted 148 site visits to help Ohio companies with compliance and pollution prevention projects.
- Conducted more than 33 presentations and training events to help educate Ohio businesses and organizations about pollution prevention and environmental compliance.
- Distributed more than 22,000 publications to external customers.
- Developed 45 new publications to show companies how to prevent pollution.
- Compiled Ohio EPA's *Guide to Environmental Permitting*, a resource for businesses seeking more information on the Agency's various permitting requirements.
- Participated in the Ohio Mercury Reduction Group with Ohio EPA's Division of Surface Water to share information and help coordinate mercury reduction efforts at Ohio EPA and with other state agencies and organizations.

Office of Federal Facilities Oversight

- Began remediation work at River Valley Schools (former Marion Engineer Depot Operable Unit 1). Through May 2005, 27,867 tons of TCE-contaminated soil were removed from the site. Prior to June 30, 2005, all backfilling had been completed.
- At the U.S. DOE Fernald site, initiated treatment and off-site disposal operations for the K-65 silo waste and Silo 3 waste. These activities are expected to continue well into the next fiscal year. Completed removal of the last buildings in the former production area and continued soil excavations across the site along with placement of soil and debris into the on-site disposal facility. Completed construction of the final cell liner of the on-site disposal. Waste placement activities focused on Cells 7 and 8 will continue into the next fiscal year. Completed waste excavation and continued soil remediation activities at the waste pits.
- At the U.S. DOE Mound site, completed removal of radioactive waste disposal area and remediation on the former plutonium processing area. Removed underground radiological waste lines and sampled trenches to verify cleanup. All buildings have been demolished except those planned for reuse. Tritium levels in the ground water and surface water increased during the demolition of two buildings on the site, but remain below health-based limits. Continued offsite rail and truck waste shipments.
- At the U.S. DOE Portsmouth site, continued remediation activities for multiple ground water contaminant plumes and sources. Initiated cleanup via oxidant injection at the most highly contaminated area. Began construction for the DUF6 conversion facility and transportation of UF6 cylinders from Oak Ridge to Portsmouth.
- At the Ravenna Army Ammunition Plant site, completed remedial investigations at five areas including feasibility studies at two of these areas. Began a removal action to clear munitions and explosives of concern at the former Winklepeck Burning Ground.

Office of Legal Services

- Drafted the first significant changes to the Agency's adjudication and procedural rules since 1981.
- Drafted a uniform template for environmental covenants to implement provisions of Ohio's Uniform Environmental Covenant Act created by House Bill 516.
- Helped negotiate 214 administrative orders; tightened timeframes for resolving enforcement cases; and assisted in resolving all verified complaints older than two years.
- Performed general counsel work for the divisions including generating 49 general counsel opinions and providing informal assistance on a daily basis.
- Implemented changes to public records request distribution to increase the efficiency of responses.
- Implemented changes to the mailing of public notices to document that newspapers are receiving requests for publication in a timely manner.

Office of Information Technology Services

- Implemented a formal training program for Agency network administrators to continue to build competency and professionalism. To date, five individuals have become Certified Novell Administrators.
- Completed 10 electronic business system enhancement projects.
- Developed the software necessary to implement the To Recognize Employee Excellence (TREE) program.
- Continued upgrades and improvements to the computing environment for Agency staff. Installed new network servers at the district offices and a new network server cluster at the Lazarus Government Center.
- Implemented a new storage area network to provide greater storage capacity, faster access and improved data backup and recovery.
- Saved nearly \$26,000 through the coordination and combination of Agency computer purchases to take advantage of volume pricing.

Office of Fiscal Administration

- Worked with Ohio EPA programs and Huntington Bank to begin sorting payments by fee type, resulting in a 72 percent reduction in the number of payments waiting to be processed at Ohio EPA.
- Drew \$35.5 million in federal funds and provided cash management and financial reporting services for 75 grants. Total grant spending, including revolving loan fund disbursements through the Ohio Water Development Authority, totaled \$459.7 million.
- Completed the annual schedule of federal expenditures, semi-annual federal cash transaction reports and 42 final financial status reports to comply with federal grant requirements.
- Completed 41 evaluations to determine a company's ability to pay for pollution control equipment and penalties in environmental enforcement cases.
- Assumed the coordinating role for implementing the Ohio Administrative Knowledge System (OAKS) at Ohio EPA. During the next three years, OAKS will replace Ohio's current financial, payroll and fixed asset information systems.
- Processed 1,077 purchasing documents and 15,050 payments to vendors.
- Reduced the time required to make purchases through the Agency payment card program.
- Managed payroll and issued bi-weekly paychecks and electronic funds payments to 1,260 employees.
- Deposited 37,771 fee payments and other revenues totaling \$158.3 million to the State of Ohio Treasurer.

Office of Environmental Education

- Awarded \$442,884 in 25 grants for the pre-school to university audience; \$334,752.36 in 11 grants for the general public audience; and \$120,402.30 in five grants for regulated community audiences.
- For the first time, awarded grants to entities in Coshocton and Richland counties and removed five counties from the under-served county list.
- Awarded \$50,000 to Ohio Academy of Science for environmental science and engineering scholarship programs. Eight recipients at four institutions received \$2,500 each and three students at two-year institutions received \$1,250 each.

Public Interest Center

- Moderated 135 public meetings attended by more than 3,000 people.
- Provided information to more than 4,400 citizens about Ohio EPA activities.
- Presented public meeting training to several Ohio EPA district offices to help staff members prepare for public meetings and effectively present information and answer public questions.
- Presented training programs on risk communication to a national OSHA conference, a statewide Ohio Water Education Association meeting, the Cuyahoga County Board of Health and at two Ohio universities.
- Presented three sessions of media relations training to Ohio EPA staff.
- Issued 333 news releases to announce Agency activities and actions.
- Responded to 1,949 media inquiries and sent 11 letters to the editor to either correct errors or educate readers about a topic.
- Created six feature stories for the Agency's Web site, wrote and designed 24 issues of the employee newsletter, and updated or edited dozens of publications prepared by the divisions.
- Responded to almost 270 requests for information and assistance sent via the Web page.

Office of Employee Services

- Processed 6,605 applications for 109 vacant positions, and 46 resignations or retirements.
- Hired 77 summer interns for the Division of Surface Water's environmental sampling and storm water compliance programs and various other divisions.
- Provided temporary clerical support to seven divisions, three support offices and Central District Office.
- Created and updated 420 electronic position descriptions.
- Processed 100 disability claims and 129 FMLA requests.

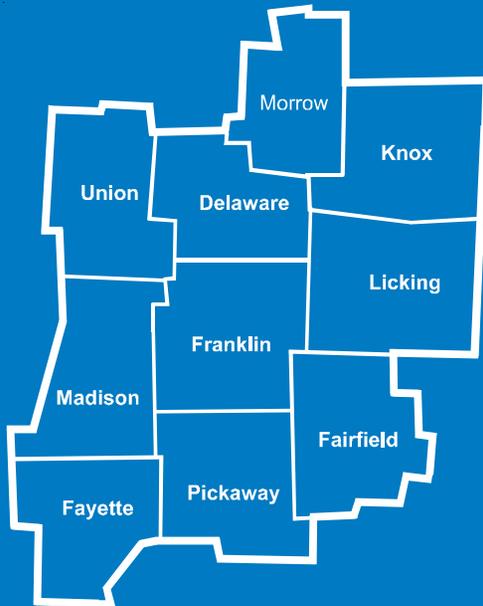
Strategic Management

- Finished the strategic planning process and identified the director's priorities through 2006. Created a strategic "Plan-on-a-Page" to communicate the Agency's vision, mission, values, long-term goals, objectives and priorities.
- Created the TREE (To Recognize Employee Excellence) program so employees can easily recognize and thank each other for demonstrating excellence in their work. As of June 30, 2005, nearly 6,000 recognition "leaves" had been awarded.
- Began revising the format of quarterly reports to better and more simply illustrate how Ohio's environment is improving. A greater focus on outcome-based reporting will help identify progress toward achieving the director's priorities.
- Participated in the Governor's Performance Ohio management system project which allows employees and citizens to see how state agencies are meeting their goals.

Legislative/Regulatory Issues

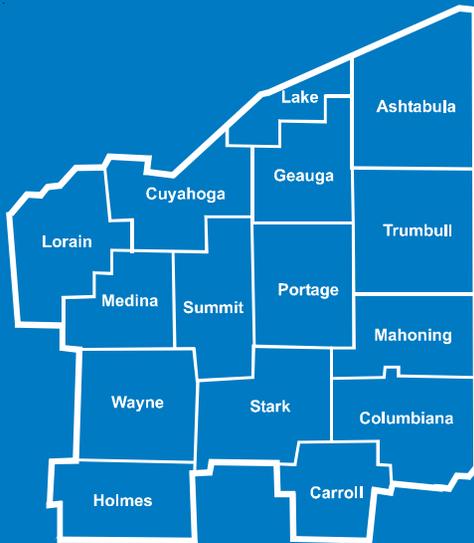
- **House Bill 516 (Uniform Environmental Covenants Act)** — Signed by the Governor and effective on December 21, 2004, H.B. 516 provides a framework for establishing and enforcing future environmental land use restrictions. The bill authorized Ohio EPA and other applicable agencies to enter into environmental covenants for environmental response projects that are subject to the Agency's review and approval in order to minimize the risk of human exposure to pollutants and hazards to the environment through land use restrictions written into property deeds.
- **Diesel Retrofit Legislation** — The Director's Office participated in discussions with Senator Voinovich's office and a diverse coalition of industry and environmental groups to develop language which was included in the federal energy bill (HR 6) to fund a broad range of diesel equipment and retrofit options for both private and publicly owned diesel equipment to reduce air pollution. Separately, Ohio EPA obtained statutory authority in the biennial budget to award grants to some school districts for retrofitting school busses to reduce emissions. Grant funds will come from a portion of penalties collected in environmental enforcement cases.
- **Ethanol Facility Permits** — In support of Governor Taft's commitment to permit and construct an ethanol facility as an alternative fuel producer and additive for gasoline, Ohio EPA worked closely with permit applicants to complete permitting action on Farmers' Ethanol in Harrison County and Greater Ohio Ethanol in Allen County.
- **Electronic Rule-Making Process Manual** — This electronic manual covers the entire Agency rule-making process and contains procedures, policies, templates and examples of applicable documents. The manual, which is available on CD and through the Agency's intranet, has been requested by a number of other State of Ohio agencies who are using it to develop similar manuals or as guidance for their rule-making activities.

Central District Office



- Issued two Voluntary Action Plan (VAP) covenants not to sue for the Former CSX Property in Powell and Superior Fibers, Inc. in Bremen.
- Collected 128 pounds of elemental mercury and mercury-containing devices.
- Received 983 emergency spill reports and responded to 342 initial responses.
- Completed draft Total Maximum Daily Load (TMDL) reports for Big Walnut and Big Darby Creek watersheds.
- Recommended approval of permits to allow construction of sewage systems for the unsewered communities of Alexandria, South Solon, Tarlton, Stoutsville, Darbydale, Hartford and Northwest Pickaway County.
- Continued to assist 10 public water systems with levels of lead or copper above the mandated action level.
- Resolved the Columbus Steel Drum enforcement case ending several years of violations and nuisance issues. The consent order addressed outstanding air, hazardous waste and water pollution violations.
- Completed field oversight for the successful removal and proper disposal of approximately 650,000 tires from two scrap tire dumps in Morrow County.
- Hosted students from Circleville and Teays Valley schools on Earth Day. Information learned during this visit helped them advance from the state-wide Future Problem Solving Student competition to the International Bowl in Kentucky.

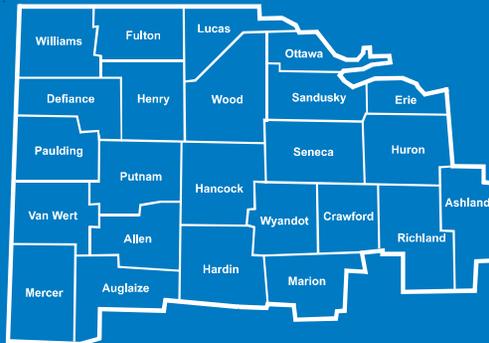
Northeast District Office



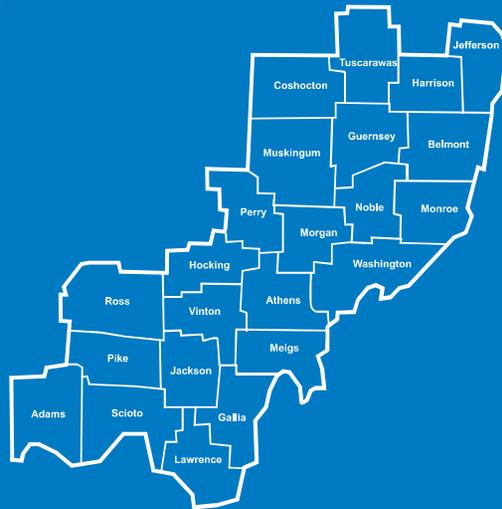
- Conducted more than 600 drinking water system inspections and reviewed more than 500 sets of detailed plans for water system improvements and new water systems.
- Reduced the backlog of ground water review projects by 38 percent.
- Completed the Total Maximum Daily Load (TMDL) reports for Little Beaver Creek and Euclid Creek.
- Completed the *Kent Dam diversion project* enabling this Cuyahoga River segment to meet water quality attainment goals.
- Processed more than 600 permit-to-install (PTI) applications for sewer extensions and wastewater treatment systems with an average Agency processing time of fewer than 30 days.
- Inspected more than 550 construction sites to ensure compliance with general storm water permits.
- Provided more than 3,000 hours of Voluntary Action Program technical assistance and outreach to volunteers including numerous cities and municipalities.
- Responded to 562 spills and collected more than 235 pounds of mercury in the mercury recovery program.
- Successfully oversaw closure of several hazardous waste units at Ross, GM Lordstown, WCI Steel and Revlis.
- Investigated 105 hazardous waste complaints and completed 105 compliance inspections.

Northwest District Office

- Using Ohio EPA sampling equipment, staff took sediment samples to assist the City of Sandusky as they gathered information to complete an application for financing through the Clean Ohio Fund.
- Using Ohio EPA's mobile lab processing facility, staff helped collect approximately 300 samples from more than 120 sediment cores taken by U.S. EPA from the Ottawa River near the location of an extensive PCB cleanup performed in the mid-1990s. Sample results are expected to help determine the extent of sediment removal necessary.
- Worked with local governments, industry and the Federal Emergency Management Agency to address storm debris created by a major ice storm during winter 2004. Because of the massive amount of debris, alternative methods of disposal, such as generating mulch, were not viable. Staff arranged for large amounts of wood debris to be used in a nearby industrial boiler, conserving landfill space and fuel resources and creating a "win-win" situation.
- Worked with the University of Toledo and the Korea Environment Institute (KEI) to provide guidance and answer questions associated with regulating hazardous air pollutants. KEI is in the early stages of developing a national program to regulate hazardous air pollutants and is reviewing Ohio EPA's program as a model.
- Approved the closure of four surface water impoundments and two newly constructed waste disposal cells at BP Chemical in Lima. More than 172,000 cubic yards of stabilized sludge, contaminated soil and debris were placed in the two newly constructed disposal cells.
- Helped to implement the *Give Water a Hand* campaign, aimed at educating residents of northwest Ohio about storm water and other environmental issues, impacts on water quality and how citizens can help make a difference.
- Presented several public information sessions and stream sampling (fish shocking) demonstrations in five of northwest Ohio's Total Maximum Daily Load (TMDL) watersheds. This outreach program is being piloted as a collaboration between the Division of Surface Water and the Public Interest Center to guide local officials and landowners through the three main phases of a TMDL project.

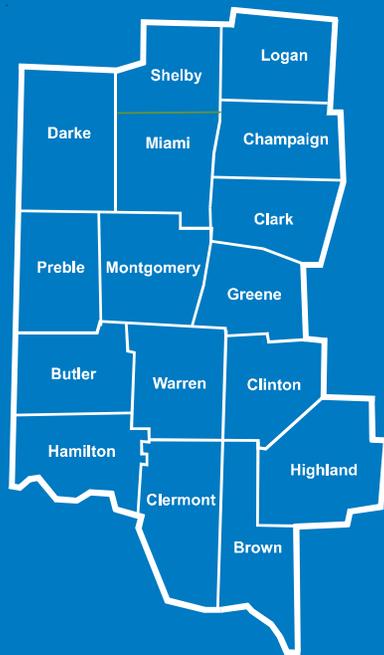


Southeast District Office



- Worked with the Agency for Toxic Substances and Disease Registry (ATSDR) to conduct ambient air sampling for manganese and to evaluate fall-out impacts on local cistern water quality in the Marietta area.
- Two previously unsewered villages, Albany in Athens County and Vinton in Gallia County, completed construction of sewage collection and treatment systems.
- Hocking River sampling results indicate continued water quality improvement primarily due to improvements to and construction of wastewater collection and treatment systems at Lancaster, Logan, Nelsonville, Athens, Rockbridge and Haydenville. Mine reclamation and acid mine drainage projects at several sites in the Sunday and Monday Creek watersheds will also contribute to water quality improvement.
- Worked with local water systems, West Virginia, DuPont and U.S. EPA to help determine the extent of C8 contamination. While all water systems are below the current action level, affected water systems will be provided with treatment to remove C8 while studies are completed to better determine the health significance of C8.
- Completed Source Water Assessment Program (SWAP) reports for almost all public water systems in the district. Concentrated outreach efforts to encourage systems to use SWAP reports to develop and implement protection plans.
- Achieved successful cleanup of 24 open dump sites containing 251,673 tires and 1,466 cubic yards of other solid waste.
- Worked with Attorney General's Office to secure a preliminary injunction for a six-acre, 90-foot tall sawdust pile in Pike County. The action should protect the nearby stream and fish hatchery and eventually eliminate a long-standing problem.
- At the old Tiger Metals site in Ironton, worked with the city, new property owner and U.S. EPA to complete demolition of unsafe buildings, remove hazardous waste and plan for site remediation.
- Near the Village of South Point, performed an emergency removal of 38 drums of hazardous waste discovered near a residential area.
- Successfully implemented all components of the remedy to clean up the Gould Electronics-Bridgeport site. The cleanup included removal of hundreds of tons of impacted soil, drum removal and ground water extraction and treatment. The ground water treatment system will operate for 30 or more years until cleanup levels are attained.

Southwest District Office



- Assisted all 16 counties within the district with debris management following ice storms and floods.
- Assisted in the response to the massive Queen City Barrel fire in Cincinnati, including clean-up efforts.
- Worked with the Clark County Combined Health District to address significant issues at a closed solid waste landfill after the owner declared that there were no financial resources to meet post-closure care requirements.
- At the request of township trustees and in collaboration with the Clark County Combined Health District, initiated a drinking water investigation of private wells in and around a subdivision in Clark County to determine susceptibility to contamination due to the shallow fractured bedrock formation.
- Provided sampling and oversight for several lead contamination clean-up projects at school properties and subdivisions located on former shooting ranges.
- Provided arsenic compliance assistance training to help public water systems prepare for meeting the new lower arsenic standard in drinking water.
- Provided oversight of the Cincinnati Metropolitan Sewer District's work to satisfy requirements of a federal consent decree. Construction is already underway on several projects to address untreated bypasses and to upgrade one of the wastewater treatment plants.
- Coordinated permitting efforts for several proposed wastewater treatment plant expansions in the lower Little Miami River basin to accommodate population growth. Special modeling was used to examine potential cumulative impacts. Phosphorous limits were included in the permits to protect this state and national scenic river.

District Activities

SFY 09

Permitting	
Operation	
Major air sources (draft Title V) _____	149
Wastewater discharge _____	591
Installation and Plan Approvals	
Air PTIs _____	502
Wastewater PTIs _____	2,288
Drinking water plan reviews _____	1,670
Ground water reviews _____	3,557
Solid waste PTIs, certifications, closure plans _____	209
Hazardous waste permit modifications, certifications, closure plans _____	257
Inspections	
Air _____	500
Wastewater and storm water _____	3,757
Drinking water _____	2,299
Solid waste _____	826
Hazardous waste _____	1,747
Spill prevention and control _____	61
Monitoring	
Air monitors checked _____	92
Surface water ambient sites checked _____	944
Surface water survey samples collected _____	3,187
Ground water ambient wells sampled _____	290
Cleanups	
Active sites _____	422
On-scene spill responses _____	1,262

Director's Priorities for 2005-2006

Joe Koncelik was appointed Ohio EPA's director in January 2005, with the realization that he would mostly likely serve only two years – until the end of this administration. He quickly identified priorities for those two years, based on feedback from employees and outside customers.

During SFY 2005, which included the three months after the priorities were announced, items marked with a check were completed (indicated by ✓). Most are long-term or ongoing projects that will be tackled during the remainder of this administration.

Enhance and Protect the Environment and Public Health

Measure and report environmental progress and outcomes

- Implement credible data bill
- Revise/update quarterly reporting to reflect environmental outcomes
- Increase use of outcome reporting

Protect and restore environmental resources

- Develop documentation for 8-hour ozone/particulate attainment plans
- Develop water quality trading program
- ✓ Pursue statutory authority to renegotiate the E-Check contract
- Improve regulation of construction and demolition debris sites
- File Section 401 stream mitigation rules
- Complete source water assessments and close certain Class V injection wells
- Develop action plans for all hazardous waste corrective action sites
- ✓ Increase environmental control/ management of hazardous waste sites falling under U.S. EPA's Government Performance and Results Act

Ensure and assist compliance with environmental requirements

- Develop and conduct annual multimedia compliance seminar
- Improve Agency-wide compliance assistance efforts
- ✓ Develop and implement on-line permitting tutorial
- Encourage OEEF grant applications that support compliance assistance activities

Demonstrate environmental stewardship

- Fund and oversee cleanup of four contaminated sites
- Create/implement school bus diesel retrofit funding program
- Pursue legislation to reduce mercury
- ✓ Take leadership role in Great Lakes Collaboration
- Complete Darby Creek TMDL/208 plan
- Refine process for matching up available funding with impaired water bodies

Ensure Sound Administration of Agency Resources

Recognize and acknowledge the value of employees

- Develop division/office "brag" boards
- ✓ Increase communication from director to staff
- ✓ Enhance employee benefits
- Increase recognition of diversity at Ohio EPA
- ✓ Develop unique employee recognition goals for each office and division

Director's Priorities for 2005-2006

Enhance use and management of information technology

- Restructure information technology coordination and management
- Develop/implement Agency intranet
- Develop on-line permitting wizard and begin building on-line permitting capability
- Evaluate an on-line payment system
- Enhance Web-based information for citizens

Seek and support opportunities to improve employee skills

- Implement new communication development program for employees
- Continue professional development program for senior managers

Seek adequate funding and practice sound fiscal management

- ✓ Secure adequate Agency funding through biennial budget
- ✓ Advocate for increased Section 401 fees in the biennial budget
- Move Central District Office into the Lazarus Government Center

Continually improve the work environment and worker safety, and provide employees with the necessary tools and equipment

- Move DES laboratory to new facility

Provide High Quality Customer Service

Provide timely service and common sense regulation

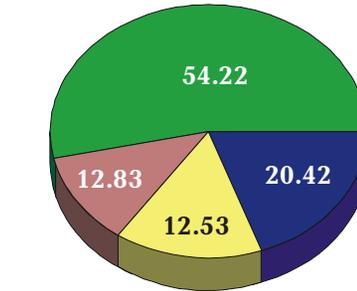
- Improve air permitting via participation in the Permit Process Efficiency Committee
- Develop common-sense regulations for industrial waste
- Enhance surface water permitting efficiency
- Evaluate the Agency's coordinated permitting process
- Combine air permit-to-install and permit-to-operate
- Create/review/meet performance standards
- Emphasize and encourage adherence to Agency's customer service principles

Provide meaningful, useful and understandable information

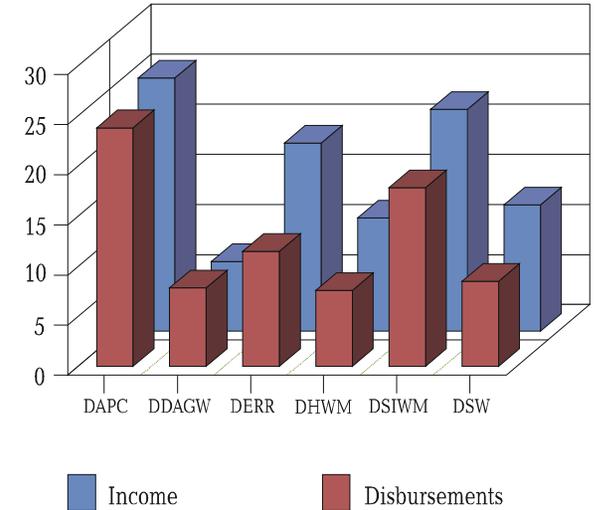
- Increase communication from Director's Office to the districts
- Increase visits from Director's Office staff to districts, divisions and offices
- Establish transition planning for Agency
- Standardize protocol for responsiveness summaries

State Fiscal Year 2005 (July 1, 2004-June 30, 2005)

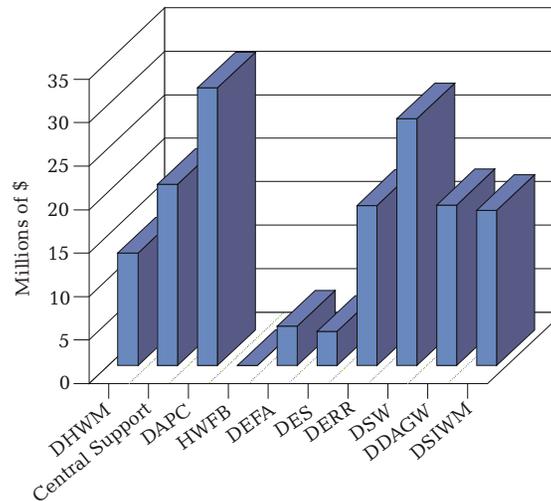
Disbursements by Fund Type



Fee Income and Expenditures



Total Disbursements SFY'05 (All Funding Sources \$157,495,900)



Trends in Funding

