

MD Environment

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Oil spill cleanup continues

Cleanup and emergency response crews well into their second week of work on the Patuxent River oil spill continue to make strides. To date, more than 31,000 gallons of oil have been recovered from the affected waterway.

As of press time, advisories for boat traffic and seafood harvesting on the river had been lifted and shoreline cleanup assessment teams were surveying southern areas of the affected waterway and shorelines.

On Friday, April 7, a ruptured Potomac Electric Power Company (PEPCO) pipeline caused more than 111,000 gallons of fuel oil to spew into the Patuxent River and nearby tributaries, launching one of the largest multi-agency emergency responses in Maryland history.

"I share the concerns and frustrations of the watermen, property owners, and everyone who has been affected by the missteps that led to this serious oil spill," said Governor Parris N. Glendening following a helicopter tour on April 13. "I have directed our Departments of the Environment and Natural Resources to continue to partner with the Environmental Protection Agency so that we can stop the spread and move aggressively to clean up the existing damage. The environmental impact is severe, and it will take some years for these ecosystems to recover. Our state agencies will coordinate an evaluation of the dam-

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PHOTOS BY WALT WISE-GOV.'S PRESS OFC.

Above, Gov. Parris N. Glendening and Sen. President Thomas V. "Mike" Miller Jr. touch fuel oil that has washed up along the Calvert County shoreline. At right, cleanup crewmen lay out bags of absorbent material used to soak up the oil. Turn to Page 7 for more photos.



Assembly OKs environmental legislation

Gas additive, ballast water, lead undergo further scrutiny

By Richard McIntire

This year's legislative session may be over, but the passage of numerous bills begins a series of actions aimed at protecting Marylanders, preserving the precious Chesapeake Bay, better managing land and landfill space and increasing recycling efforts. Several of those new initiatives will be administered by Maryland's Department of the Environment (MDE), pending the governor's signature.

Measures to further safeguard Maryland's water supply from a gasoline additive may come from the Task Force on the Environmental Effects of MTBE (methyl tertiary-butyl ether), created under House Bill 823. MTBE is a volatile organic compound made as a byproduct of petroleum refinery operations by combining methanol derived from natural gas and isobutylene. MTBE is a gasoline additive that has been used as an octane enhancer since the phase out of leaded gas in the late 1970s.

The task force, scheduled to release its initial report before the end of the year, is to determine and assess the environmental health risks associated with ground and surface water contaminated by the gasoline oxygenate. The 16-member task force, made up of state legislators, health and natural resources officials, environmental

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May promotes allergy, asthma awareness

By Angela Jackson

Baltimore City has long been recognized as having one of the worst ozone air pollution problems in the nation. Ozone is a type of air pollution that is formed when emissions from various sources, including cars, smokestacks, industries, and personal care products mix in the presence of sunlight and high temperatures.

Ozone, a key component of smog, is a lung airway irritant and a trigger for asthmatics. Even individuals without respiratory problems can suffer coughing and throat and eye irritation from being exposed to ozone.

A 1996 study by the American Lung Association ranked Baltimore second only to Los Angeles in hospital admissions and emergency visits due to asthma and other respiratory-related disorders. A recent report by the American Lung Association ranked Maryland seventh for unhealthy smog days among 26 states and the District of Columbia.

Asthma is a chronic inflammatory disease of the airways. Symptoms of asthma may include coughing, wheezing, shortness of breath, chest tightness and coughing up phlegm. Not all asthmatics manifest these symptoms. Some may only cough, others may only wheeze. In an asthma attack, hypersensitive airways narrow drastically when exposed to a trigger. External triggers for asthma may include air pollution, cigarette smoke, pet dander, pollen, exercise, cold air, molds, particulate matter and stress.

According to a recent story in *The Sun*, despite the availability of several drugs, many patients don't control their asthma well. The condition is tricky and kills 5,500 Americans annually. One out of every five hospitalizations is asthma-related and it is the number one childhood disease. In addition, asthma prompts 10 million doctor visits each year. About 17 million Americans have asthma, an increase of more than 75 percent since 1980. Currently in Maryland, there are approximately 600,000 people who suffer from respiratory ailments that are agitated by the pollutants such as those in vehicle emissions. Experts advise those with asthma to use common sense and adhere to the following precautions:

Find out what you are actually allergic to and stay away from those allergens as much as possible. Some asthma sufferers are sensitive to aspirin and anti-inflammatory medications and these may need to be avoided. Also, acid reflux or gastro esophageal reflux disease may be an important trigger for some asthmatics and should be treated accordingly.



PHOTO BY RICHARD MCINTIRE

Many children like Detrick Matthews (above), of Baltimore, take inhaler treatments to control their asthma attacks. A new facility in the state is aimed at helping them breathe a lot easier.

New pediatric respiratory center opens in Baltimore

By Bob Maddox

A welcome addition to Maryland's health care community opened Jan. 17 on the grounds of Mount Washington Pediatric Hospital in Baltimore. The Jack and Mae Rosenberg Center for Pediatric Respiratory Medicine is a state-of-the-art outpatient facility for children with asthma and other respiratory problems. The center is a partnership between Mount Washington Pediatric Hospital and the Johns Hopkins Children's Center.

This center is considered very necessary in the Baltimore region. According to health professionals, Baltimore has high rates of asthma, exacerbated by the region's high level of air pollution. Asthma affects more than 90,000 of Maryland's 1.3 million children.

"Asthma is a huge problem in Baltimore, particularly among poor children," said Dr. Gerald M. Loughlin, senior vice president of medical affairs at Mount Washington. "Poor air quality combined with cockroaches and substandard housing put poor children at a high risk for asthma."

A child and family friendly environment, the center is designed and decorated to put its young patients and their parents at ease. The walls are painted in calming pastel blues, greens, and yellows and decorated with the watercolors of young artists. The carpets are woven with large floral and ladybug designs. There are comfortable meeting rooms, free of medical equipment, where doctors and staff can talk with with families about treatment options. Child Life professionals work with children to prepare them for examinations

and procedures.

The Rosenberg Center provides a range of pulmonary services:

- Pulmonary specialists from the Johns Hopkins Children's Center
- Comprehensive asthma management
- Diagnosis and management of acute and chronic lung diseases
- Pulmonary function and stress testing

The Rosenberg Center offers these other comprehensive services:

- Diabetes education and treatment
- Feeding disorders evaluation and treatment
- Lead poisoning treatment program

Mount Washington Pediatric Hospital was chosen as the site for the new facility because the professionals there have the expertise in working with child patients. The center was named after Jack and Mae Rosenberg to honor their significant contribution toward the \$3.5 million facility.

May is Allergy and Asthma Awareness Month. National asthma health goals are aimed at increasing patient education, reducing hospitalizations and activity limitations associated with asthma, and monitoring asthma and other respiratory diseases triggered by environmental factors. Education is essential for motivating patients to manage their disease.

To learn more about the Jack and Mae Rosenberg Center for Pediatric Respiratory Medicine, visit their website at www.mwph.org.

When you're done reading--Recycle this paper!!

Participate in Maryland's Clean Commute Week

By Bob Maddox

Pump up those bicycle tires. Lace up those walking shoes. Drive with a friend. Check that bus schedule. Make plans to commute cleanly during Clean Commute Week, May 21 – 27.

Why a Clean Commute Week? A majority of Maryland workers commute to work alone in their cars each day. Current commuting practices, although convenient, are unhealthy for our health and the environment. Each year, much of Maryland exceeds the Environmental Protection Agency's health-based standard for ground-level ozone. Ground-level ozone is unhealthy to breathe. It can cause eye and throat irritation, coughing, and chest pain. Ozone may also worsen bronchitis, heart disease, emphysema, and asthma. Over one-third of ozone-forming pollutants – nitrogen oxides (NOx) and volatile organic compounds (VOCs) – come from mobile sources, which includes cars, trucks, and buses.

The NOx from tailpipe emissions and VOCs from gasoline vapors are chemicals that cause ozone. NOx also results in acid rain (which damages trees, crops, and soil) and damages the health of the Chesapeake Bay by depositing nitrogen into the Bay and its tributaries. So the fewer cars on the roads, the better the air and water.

Why May? Ground-level ozone gets worse when the weather gets warm. In-

creased sunlight and high temperatures speed the conversion of NOx and VOCs to ozone. May is also when the Maryland Department of the Environment (MDE) begins its ozone forecasting season to help alert citizens when the air quality is unhealthy.

"I strongly encourage clean commuting, whether it's to work during the week or running errands on the weekend," said MDE Secretary Jane Nishida. "It helps us all breathe a little easier."

MDE has several activities planned to encourage its employees to pledge to a clean commute. Activities include a Commuters' Fair on May 10, a bicycling seminar on May 17, presented by Bob Carson from the League of American Bicyclists, and the First Annual MDE Bike to Work Event on May 19.

Those who pledge to a clean commute during Clean Commute Week at MDE's Commuters' Fair will be entered into a drawing for a day off with pay and be eligible for other great prizes.

To learn more about more about commuting alternatives and activities during Clean Commute Week, visit the Baltimore Metropolitan Council's Web site at <http://www.baltometro.org>. To get an air quality forecast during the summer months, call MDE's Air Quality Hotline at (410) 631-3247.

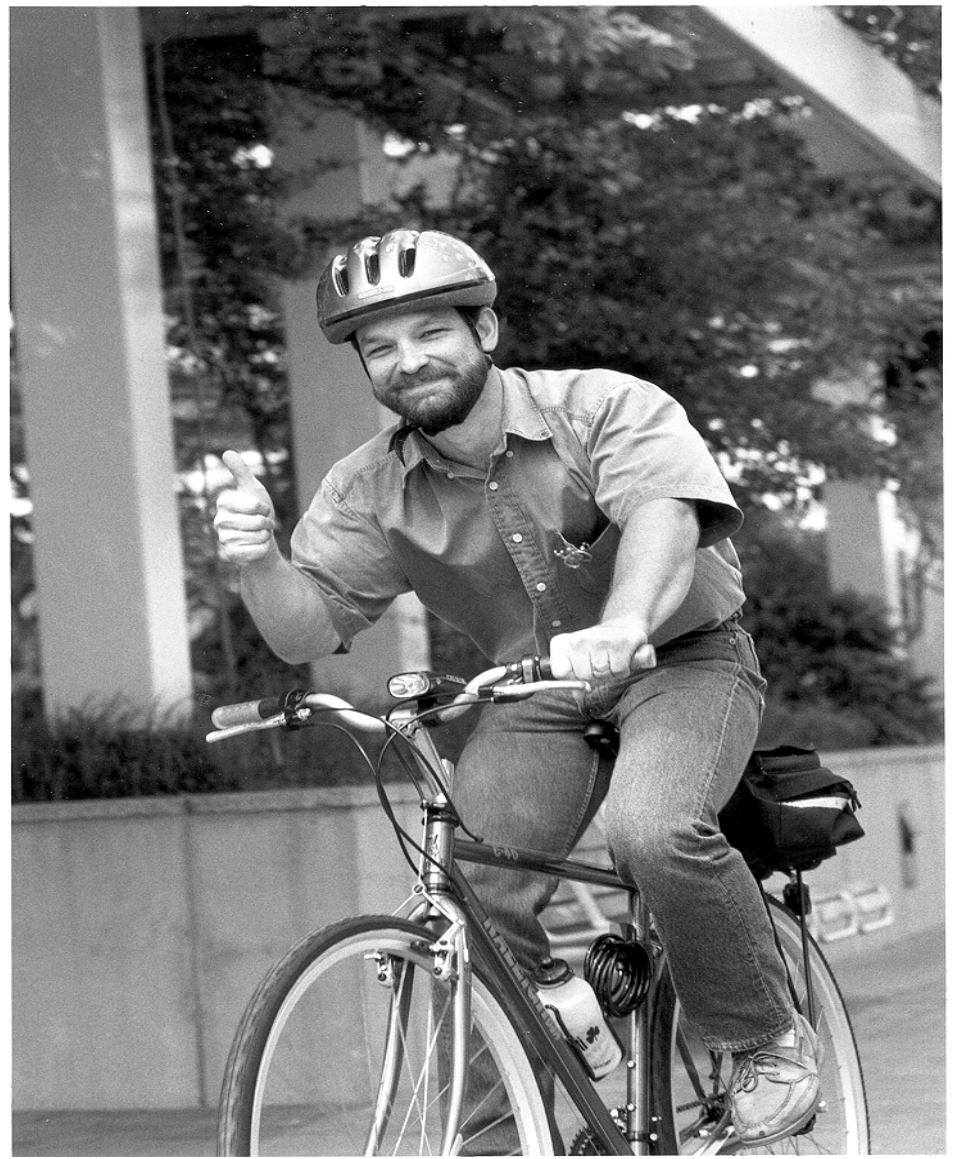


PHOTO COURTESY LEAGUE OF AMERICAN BICYCLISTS

Herman I. May, a Texas resident, is a frequent bike commuter from his home 20 miles away.

Ozone Action Days kick off with conference in district

ENDZONE Partners is holding the 2nd Annual Ozone Action Days Kickoff Conference on Monday, May 8 at the Renaissance Washington Hotel in Washington, D.C.

ENDZONE Partners is a coalition of businesses, environmental organizations, and state and local governments in Maryland, Virginia, and Washington, D.C. that is working to improve air quality by reducing ground-level ozone pollution

through voluntary action.

Ground-level ozone is an invisible gas that can become prevalent during warmer seasons when pollutants from gasoline-powered lawn equipment, automobiles and trucks, solvents, and other sources mix in the presence of intense sunlight. Ozone is harmful to human health, damages crops and vegetation, and degrades buildings, rubbers, and paints.

The conference program will focus on

ozone forecasting, health issues, and implementing an Ozone Action Day program. Featured speakers include Dr. Robert Frank of the Johns Hopkins University, Susan Stone of the U.S. Environmental Protection Agency, and meteorologist Bill Ryan of the University of Maryland. Professional credits are available for members of the Board of Certified Environmental Safety Professionals and the Maryland State Board of Environmental Sanitarians. The

conference and training sessions will run from 9:30 a.m. to 3 p.m.

The conference fee, which includes participation in all sessions, lunch, and refreshments, is \$25 for employees of Ozone Action Days participants and of ENDZONE Partners. The fee is \$50 for others.

To register for the conference, contact Tara Marie Koback of the Metropolitan Washington Council of Governments at (202) 962-3360.

Electric, solar, hybrid car rally rolls into Sandy Pt. on May 17

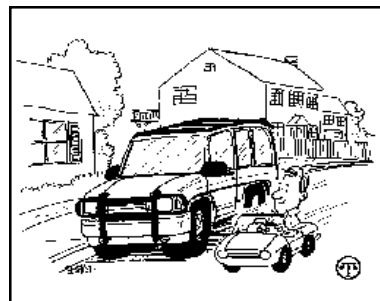
By Tim Shepherd

On May 17, Maryland will play host to the Tour de Sol. Organized by the Northeast Sustainable Energy Association (NESEA), the Tour de Sol is a national road rally for both electric and solar as well as hybrid vehicles. This year's event boasts more than 20 entrants.

The innovative vehicles will begin their competition in New York City and finish in Washington, D.C. The purpose of the Tour de Sol is to promote the development and use of practical, ecologically sound electric and solar transportation. The Tour de Sol also provides other alternative fuels (i.e., compressed natural gas and biodiesel) the opportunity to promote the

latest advances in their technologies. This year, the NESEA American Tour de Sol will stop in Maryland at Sandy Point State Park on May 17.

Maryland's Department of the Environment is proud to be a sponsor and organizer of this event. During the stop at Sandy Point State Park just east of Annapolis, the vehicles will participate in the autocross portion of the competition. The string of road rallyers should arrive in the park between 11 a.m. and Noon. Activities are scheduled



from 10 a.m. to 2 p.m. at the event, which is free and open to all.

Electric-powered vehicles are not a new concept. In the early 1900s, more than 50 manufacturers were building electric-powered vehicles. By the late 1930s, gasoline-powered vehicles had crowded electric vehicles out of the market. It took the energy crisis of the 1970s with its gasoline shortages and warnings of our country's dependence on foreign oil to bring attention back to

electric vehicles. In 1989, NESEA organized the first American Tour de Sol, a national road rally championship for electric and solar vehicles.

This year's event boasts an even greater amount of major car company entries than ever before, demonstrating just how far the industry has come in a few short years. Entries for this year's event are broken up into five different categories: production, commuter, hybrid, solar commuter and one person. Some of the vehicles to be included at the event will be the Ford Th!nk, an all new brand of environmentally responsible vehicle, and the Honda Insight, the first production hybrid vehicle available in the

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ages as well as a plan for the long-term restoration of these precious ecosystems. In the meantime, we will closely communicate with members of the community on the latest conditions and the status of the cleanup.”

The Governor stressed that the spill has not affected the quality of Maryland’s drinking water, adding the state will aggressively monitor the situation and continue to partner with federal authorities to ensure that the clean-up effort is as quick, efficient, and effective as possible.

During his tour of the spill site, Governor Glendening also studied the impact along the river’s shoreline, with Sen. Roy Dyson, Sen. President Thomas V. “Mike” Miller, Jr., Environmental Protection Agency (EPA) Region Administrator Brad Campbell, and other state and local officials.

Ultimately, the Governor declared, PEPCO would be held fully accountable for the oil spill.

The U.S. Environmental Protection Agency (the lead agency coordinating the clean-up effort) is working with the national Oceanographic and Atmospheric Administration, the U.S. Department of the Interior, Maryland Department of the Environment (MDE) and the Department of Natural Resources (DNR) to develop the

clean-up plan. More than 600 people – government agencies, PEPCO workers and contractors - will be working to implement the plan.

Areas being assessed by shoreline cleanup assessment teams include those where booms have been removed from the waterway and placed on the shoreline due to stabilization and significant progress that has been made to date. This review will determine whether a boom can be permanently removed from an area.

The U.S. Fish and Wildlife Service, Maryland Department of Natural Resources and animal rescue organizations, including Tri-State Bird & Rescue Research and Chesapeake Wildlife Sanctuary are picking up animals for rehabilitation. More than 98 birds, turtles, snakes and terrapins have been captured and are going through the process of rehabilitation. The rehabilitation process involves cleaning the animals and providing them with necessary medical attention by veterinarians. The animals are then housed until they are fit to be released.

“This is an incredible, remarkable effort,” said MDE Secretary Jane T. Nishida. “As co-custodians with DNR of Maryland’s precious natural world, we are disappointed by this tragedy. We are all working as hard as possible to ensure the



PHOTO BY MDE

Oil spill cleanup crewmen tend a vacuum hose in fuel oil soaked Swanson Creek.

Patuxent’s return to its rightful place as a model tributary of the Chesapeake Bay.”

During the spill event, the 30th Anniversary of Earth Day was observed by the nation. The Earth Day message hit close to home for students at the Calverton School in Huntingtown (Calvert County), which is located near the site of the oil spill. This year, the school’s Earth Day celebration focused on restoration of bay grasses, wildlife and fisheries habitat and natural areas impacted by the oil.

“Calverton’s students have a deep appreciation for their surrounding natural

resources and understand the consequences of this disaster,” said DNR Secretary Sarah Taylor-Rogers. “Most of these students enjoy fishing, swimming and boating along the Patuxent River. DNR applauds and supports their efforts and encourages citizens to join us.”

Advisories

- **All advisories relating to harvesting, fishing and eating of crabs, shellfish and fish have been lifted.** Individual fish or crabs that have a petroleum smell

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action groups, as well as petroleum industry representatives, will explore other alternatives, including ethanol. The federal government has already acted to begin phasing out the chemical.

In addition, House Bill 457 provides for an increase of the fee assessed on oil transferred in the state to 75 cents and expands the reimbursement program set up to assist with the cleanup of underground storage tanks. A portion of the additional funding will be used to study groundwater contamination by MTBE. Maryland’s Oil Disaster Containment, Cleanup and Contingency Fund was established in 1986 to provide funding for oil pollution prevention programs, enforcement, permitting and emergency oil spill response.

The state’s Used Tire Cleanup and Recycling fee was continued through 2004, but tire buyers will pay less to get rid of their old rubber wheels. Under Senate Bill 136, the scrap tire fee can only be up to 40 cents each, down from \$1. The bill also calls for accelerating expenditures from the fund, which would result in accelerated cleanups, creation of public education programs on scrap tires and market development strategies for scrap tires.

Under current law, it is illegal to store or dispose of scrap tires in a landfill. Scrap tire haulers, collection facilities, and recyclers are required to be licensed by MDE. Enabling laws that created the current fund would have ended collection of the fee on July 1 of this year, if this legislation had not passed.

On the continuing lead paint issue in older homes around the state, legislators passed House Bill 1052, which requires rental property owners in Maryland to include a copy of an inspection report with the “Notice of Tenant Rights” at the start of a lease or tenancy.

In addition, the Children’s Environmental Health and Protection Advisory Council was formed under House Bill 313. The 18-member council, including MDE Secretary Jane T. Nishida, will review and comment on existing and future regulations and standards’ ability to protect the health of children from environmental hazards. The council may give input on legislation and recommend guidelines to reduce and eliminate exposure to those hazards. Environmental hazards include but are not limited to lead, pesticides, air pollutants, contaminated drinking water, toxic waste, second-hand smoke, industrial and home chemicals.

In certain cases, children are at greater risk than adults for exposure to possible illnesses from environmental hazards.

Under House Bill 1305, MDE is required to develop a ballast water management program for the state that is in line with federal stipulations. Ballast water is taken onboard ships to control or maintain the vessel’s trim, draft or stability. Discharge of ballast water has been

linked to ecological damage, degraded water quality, and displacement of native species in waters around the country. The bill was introduced noting that “waters of the state are a precious, irreplaceable, resource essential to the environment, commerce, and recreation of citizens and tourists.”

MDE must adopt ballast water control report forms that are consistent with those of the U.S. Coast Guard (USCG). MDE is to work with the Maryland Port Administration, USCG and industry to distribute the forms, make sure they are completed and filed with the National Ballast Information Clearinghouse at the Smithsonian Environmental Research Center in Edgewater, Maryland.

Del. James Hubbard, of Prince George’s County sponsored House Bills 313 and 1305.

“These two bills put Maryland ahead of the curve on these issues in particular,” Del. Hubbard said. “On children’s health, we had never put that perspective in place before making policy. We wanted to get some progressive ideas from experts in those fields before hand instead of after the fact. On ballast water, that is a major ecological bill. With all the assaults we have challenging the Bay, we don’t need any more.”

Maryland’s Brownfields Revitalization Incentive Program got a boost from the General Assembly. It allows the Department of Business and Economic Development to provide a low interest loan or grant to conduct an environmental assessment of a potential brownfield site. Passage of Senate Bill 513 and House Bill 331 makes it easier for local jurisdictions to participate in the program.

Brownfields are abandoned or underutilized industrial or commercial sites that are contaminated or perceived to be contaminated by hazardous materials. The Brownfield Revitalization Incentive Program provides property tax credits and other financial incentives to those seeking to redevelop such sites. The Brownfield Revitalization Incentive Program is part of Gov. Parris N. Glendening’s Smart Growth initiatives because it focuses growth and resources in areas with established infrastructure.

Senate Joint Resolution 6 establishes a voluntary statewide solid waste diversion goal of 40 percent by 2005. The goal can be achieved through the cooperative efforts of waste generators, state agencies, local governments, the waste and recycling industries, environmental groups, boards of education and others, lawmakers wrote. All Maryland counties have met or exceeded their 15 or 20 percent recycling goals, based on population. Two years ago the state was recycling at about 33 percent. The resolution proposes that all counties must maintain a certain recycling rate, to be determined by MDE, and that they be offered incentives to recycle.

According to the resolution, “Recycling offers a better alternative in terms of extending landfill life, conserving natural resources, saving energy, reducing pollution, and creating jobs and economic development opportunities.”

Rain did not dampen spirits at scrap tire playground site

By Abigail Pascual

Volunteers from several state agencies and the community joined together recently to construct Maryland's eighth scrap tire playground at Elk Neck State Park in Cecil County. Construction began early the morning of Thursday, April 13 and was substantially completed less than two days later.

That Thursday and Friday at least 100 people worked together cutting tires, digging holes, following plans to lay the foundation for the playground. Although a steady rainfall reduced the number of volunteers on Saturday, a hearty and determined team of 75 showed up at 8 a.m. and worked all day to ensure the playground's completion.

"The scrap tire playgrounds have been an excellent way to utilize the Maryland Used Tire Cleanup and Recycling Fund to benefit communities and promote awareness of scrap tire recycling efforts," said MDE's Recycling Systems Section Chief John R. Rist. "It's been a very positive experience for all of our staff to be able to contribute to the construction of these unique playgrounds."

This year's playground at Elk Neck is situated on a bluff overlooking the park's beach on the upper Chesapeake Bay. There is a large wooden ship with a slide, a fireman's pole and a telescope aimed at the Bay. For the smaller kids, there is a wooden ship with a small slide and a sandbox inside. Many of the play structures are made

of whole scrap tires, including an obstacle course, a balance beam, a zip-line and a 10-tire-bouncer that resembles a giant hammock. A sea serpent made of scrap tires winds its way across the playground, separating the tot lot from the bigger kids' play area.

In addition to the 200 whole scrap tires, tire chips were placed under several play structures as a safety surface material. This material was made by processing approximately 2,000 scrap tires into small pieces. The Elk Neck State Park playground is similar to scrap tire playgrounds constructed in prior years at seven other state parks. You can visit those playgrounds on the Maryland Department of the Environment's (MDE) website at www.mde.state.md.us.

The scrap tire playgrounds are made possible by collaborative efforts between MDE, Maryland Environmental Service and the Maryland Department of Natural Resources. Funding for these projects are provided by the MDE's Used Tire Clean Up and Recycling Fund. This fund is used for licensing scrap tire haulers, collection facilities, recycling/processing facilities, scrap tire cleanup, enforcement and compliance activities and projects throughout the state.

MDE's goal in building scrap tire playgrounds throughout the state is to raise awareness and education on the problems and beneficial uses associated with scrap tires.



Fighting phragmites

Students of St. Ignatius-Loyola Academy in Baltimore helped the Living Classrooms Foundation and Maryland Department of the Environment restore the last remaining wetland in Baltimore City on April 14, by pulling phragmites. Phragmites, pronounced frag-my-tees, is a non-native plant that thrives in wetland areas but chokes out other plant species that animals use to survive. After pulling phragmites out from the root, students planted helpful marsh grasses to help stabilize the shore. Students also received other environmental education lessons and conducted a community cleanup that day. Baltimore's last wetland is located on the grounds of the foundation along Caroline Street on the Inner Harbor. The project was supported by the Chesapeake Bay Trust and was a kick-off event promoting the 30th anniversary of Earth Day.

PHOTOS BY RICHARD MCINTIRE, JOAN WEBER, LIVING CLASSROOMS



Above, MDE Secretary Jane T. Nishida, left, and MDE Assistant Secretary Robert Hoyt dig out phragmites roots.

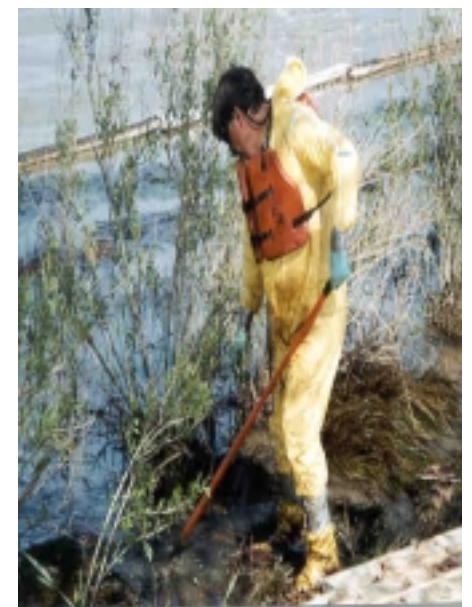


LOOK IN JUNE'S
MDEnvironment
for the Childhood
Lead Poisoning
Prevention Week
calendar of events.
Visit MDE's "Lead
Line" on the web:
www.mde.state.md.us.

Cleanup scenes from the Patuxent

On April 7, 2000, an oil transmission line adjacent to the Patuxent River in Charles County, MD ruptured. The spill spewed more than 111,000 gallons of fuel oil into the river, surrounding creeks, wetlands and shoreline prompting a joint, multi-agency emergency response. These photos stand in tribute to the hard work and dedication of those who toil to preserve and restore our irreplaceable environment.

PHOTOS BY MDE, WALT WISE--GOV.'S PRESS OFC.



Ensuring Maryland's air is safe to breathe

This article is the second in a series of articles focusing on the Maryland Department of the Environment's (MDE) environmental and public health protection goals that form MDE's Managing Maryland for Results (MFR) workplan. The MFR system is a results-based approach to management that includes strategic planning, continuous quality improvement, and performance planning and evaluation. MDE's MFR workplan for state fiscal year 2001 is available at MDE's website: www.mde.state.md.us

What is the goal?

Under both state and federal law, the MDE is charged with ensuring that the air is safe for all Marylanders to breathe.

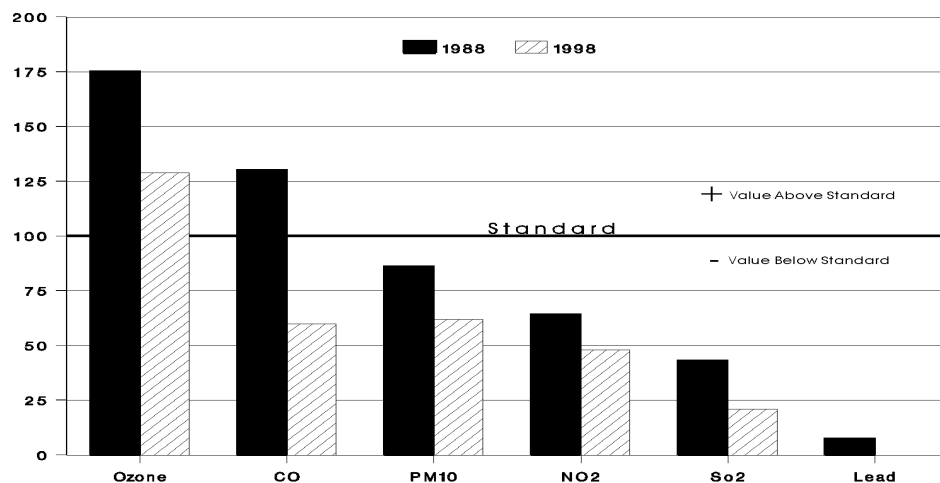
Key areas of emphasis for meeting this goal include:

- (1) Reducing the amount and frequency of high levels of ground-level ozone;
- (2) Reducing the amount of toxic air pollutants discharged into the environment;
- (3) Attaining and maintaining National Ambient (outdoor) Air Quality Standards;
- (4) Reducing the amount of acid rain;
- (5) Ensuring that asbestos removal activities do not endanger human health; and
- (6) Reducing the occurrence of air pollution nuisance conditions, health impacts, and air pollution.

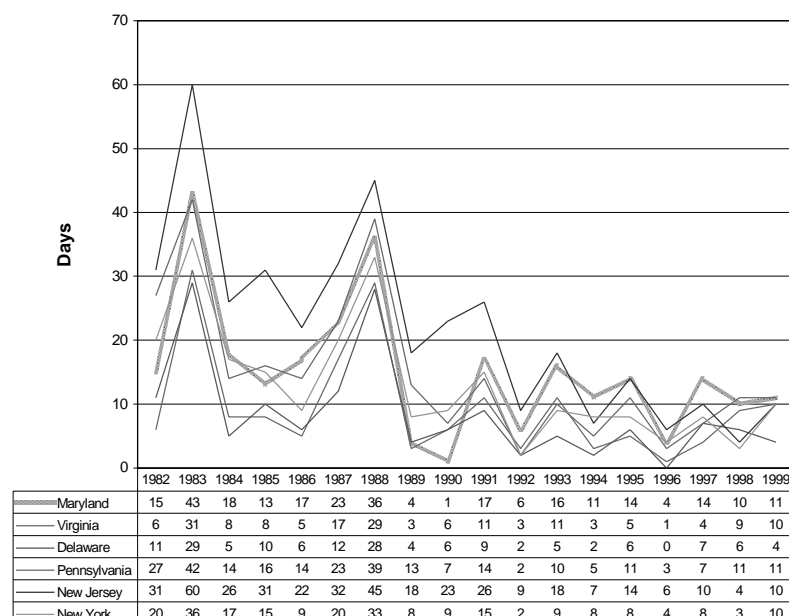
How does Maryland compare to others?

The U.S. Environmental Protection Agency (EPA) has set National Ambient (outdoor) Air Quality Standards for six pollutants: ozone, carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), lead, and particulate matter (PM). The department continuously monitors levels of these pollutants in the atmosphere year-round at air monitoring stations located throughout the state. Maryland currently meets the standards for all the pollutants except for ozone, a pollutant formed when two categories of chemicals [volatile organic compounds (VOCs) and nitrogen oxides (NO_x)] combine in the presence of heat and sunlight.

Maryland does not meet the 1-hour standard and 8-hour standard (which is being challenged in court) for ozone. Although exceedances of the 1-hour health-based ambient air quality standard for ozone continue to be measured throughout much of Maryland, the monitored 1-hour ozone levels show a general downward trend. Generally, the number of ozone exceedances has decreased as well as the severity of the exceedance, i.e., the



Days Ozone Levels Exceeded the 1-Hour Ozone Standard



concentration measured. Similar to Maryland, most other Atlantic seaboard states, including all states from Virginia northward to Maine, have an ozone problem.

Objectives

The key management objectives under the clean air goal are:

- (1) To develop and implement control strategies to eliminate or reduce emissions from pollution sources, so as to enable attainment and maintenance of the health-based air pollution standards; and
- (2) To develop and implement enforcement programs to ensure compliance with air pollution related requirements.

Strategies for meeting the objectives

States that fail to meet the federal ambient air quality standards, including the standards for ozone, must prepare clean air plans demonstrating that the state will meet the standard within a certain timeframe. In fiscal year 1999, the department submitted plans demonstrating that all areas in Maryland will comply with the 1-hour ozone standard by 2005. The plans, which are based on computer modeling and air monitoring data, require the continuing implementation of control programs in Maryland as well as reduction of air pollution being transported into Maryland from other states that are upwind of us. Although the plans focus on measures that reduce emissions of the two ozone-forming pollutants (VOCs and NO_x), they also decrease emissions of acid rain-forming pollutants (NO_x and sulfur oxides) and many toxic air pollutants.

With regard to control programs, a major effort to reduce pollution from all source sectors (manufacturing plants, electric utilities, service-oriented businesses, automobiles, and non-road vehicles and power tools) is being made at the Maryland, regional, and national levels. Electric utilities are being targeted in Maryland and the region. Special emphasis is also being placed on transportation projects to ensure that any emissions increases do not negatively affect Maryland's ability to achieve compliance with federal air quality standards. Cleaner car standards and vehicle emissions inspection programs are in place, as is a federal mandate to produce cleaner fuels.

The department continues to implement its permit and inspection programs to ensure that manufacturers and businesses meet air pollution control requirements, that asbestos is safely removed, and that electric utilities comply with federal acid rain pollution control requirements. Appropriate enforcement action is taken in case of non-compliance. Maryland continues to be a leader in airing the Ozone Pollution Map as part of summertime weather forecasts and promoting Ozone Action Days programs to encourage ordinary citizens to reduce air pollution from activities such as everyday transportation and lawn and garden care.

Challenges/barriers

Increased pressures on air quality, especially from urban sprawl and individual activities (e.g., transportation choices which favor single occupant automobile trips, lawn and garden upkeep, and use of household consumer products), present a huge challenge for achieving clean air.

Additionally, because air pollutants are transported across state boundaries on air currents, clean air in Maryland requires that states upwind (generally west) of Maryland reduce their air pollution. Convincing other states to do this under the existing provisions of the federal Clean Air Act requires special efforts on the part of downwind states, regional bodies such as the Ozone Transport Commission, and the U.S. Environmental Protection Agency.

To ensure that Maryland's clean air goals can be met, the department continues to seek adequate federal and state funding. Sustained funding is needed for air monitoring, development of control measures, permitting programs, and inspection and enforcement activities.

Questions about Goal #1 can be directed to Dorothy Guy at (410) 631-3265 or via email at dguy@mde.state.md.us. Questions about MFR should be directed to John Mitchell at (410) 631-3772 or via e-mail at jmitchell@mde.state.md.us.

Stay tuned...

A special wetlands supplement will be found here in coming months!!!

[MDEnvironment regrets any inconvenience the delay may have caused.]

Maryland prepares capacity development strategies for water systems

By Barry O'Brien

The 1996 Safe Drinking Water Act Amendments recognize that water systems may not have sufficient technical, managerial or financial capacity to comply with state and federal drinking water regulations. As a result, the Act requires states to ensure that all new water systems have sufficient capacity and to develop a strategy for assisting existing water systems to improve their capacity. The new approach represents a major shift in federal policy

from the previous law, which had an after-the-fact, regulatory focus.

The first requirement, ensuring that new community and non-transient non-community water systems demonstrate that they have sufficient technical, managerial and financial capacity, was completed in 1999. Regulations were developed that outline steps that new water systems must take to ensure that they have sufficient capacity. This includes demonstrating at the time of the water construction permit that they

have procedures in place for proper operation, maintenance and financing of the water system.

MDE's Water Supply Program is currently working on the second step, developing a strategy for assisting existing public water systems to acquire and maintain technical, managerial and financial capacity. The strategy describes how the state will identify the most needed capacity improvements, discusses the factors that encourage or impair capacity development

in Maryland, explains the steps the state will take and the resources it will use to improve system capacity, and tells how the state will establish a baseline and measure improvements in system capacity. Maryland's strategy focuses on identifying the areas where training and technical assistance are most likely to produce changes that improve system capacity. Many items outlined in the strategy are technical assistance tools already in place and being used by MDE.

To develop the strategy, the Water Supply Program assembled a steering committee composed of interested stakeholders who have met periodically over the past several months. The steering committee included individuals representing small water systems, local governments, training organizations, and interested professional associations.

Additional stakeholders were also provided an opportunity to comment on the strategy's development. The Water Supply Program is now actively seeking comments on its draft Capacity Development Strategy from consumers, water suppliers, or other interested individuals.

Comments received by **June 15** will be considered for inclusion in the final Capacity Development Strategy, which will be submitted to the U.S. Environmental Protection Agency by August 6, 2000.

Those wishing to obtain a copy and comment on the strategy, please contact the Water Supply Program at (410) 631-3706.

Renewable energies offer a chance to diversify power

By Jeannie Haddaway

This is the second article in a two-part series on renewable energy.

Have you ever wondered where your electricity comes from? While most of Maryland's electricity comes from coal, natural gas, petroleum and nuclear sources, small amounts of electricity also come from renewable energies. Last month's article on renewable energies discussed the use of hydropower and biomass as renewable energy resources. This month's article will focus on the use of solar, wind and geothermal energy.

Renewable energies are energy resources that are constantly renewed, or that never run out. Examples of renewable energies include solar, wind and ocean energy. While most renewable energy resources use the same method for producing electricity as conventional electricity, they are generally less polluting and do not require the use of limited natural resources. Most of Maryland's electricity from renewable energies comes from hydropower and biomass, but a small portion also comes from sources like solar, wind and geothermal energy.

What is Solar Energy?

The sun is a renewable energy source that can produce electricity for a number of applications including heating and cooling. Similar to the way that a car gets hot on the inside during a summer day, solar energy can be captured *passively* by placing south facing windows in homes and buildings. *Active* use of solar energy requires equipment to collect and store solar energy for more extensive use in a home or building. For large-scale electricity generation, such as the generation needed for an electric utility company or for an entire home, solar energy is harnessed using *photovoltaics*. Photovoltaics are a series of mirrors and cells that concentrate sunlight on liquid-filled tubes. The liquid, when heated, produces the steam necessary for turning a turbine that generates electricity. The electricity created by solar energy can also be stored in batteries for long-term use.

What is Wind Energy?

The concept of using the wind for energy has been employed since the ancient Greeks put sails on their boats. Using wind energy to produce electricity, however, came much later in history when windmills were widely used. From 1880 to 1930, the western United States

had six million windmills that generated electric power. Today, *wind turbines* use the same concept as windmills, but they are designed differently to produce electricity more efficiently. With two or three long blades a wind turbine drives a generator that produces electricity. The blades, which can be up to 80 feet long, are designed to change direction with the wind so that electricity is produced no matter which way the wind blows. Wind turbines are used in large groups called *wind farms* to generate large amounts of electricity.

What is Geothermal Energy?

Geothermal energy begins 4,000 miles below the earth's surface at the core of our planet. The core, which can reach temperatures of 9,000 degrees Fahrenheit, heats the surrounding layer of rocks, sometimes causing them to melt. These melted rocks, called *magma*, then begin a journey towards the earth's surface. If the magma reaches the surface, it becomes lava and causes volcanic activity. If it remains be-

See **ENERGY**, Page 16

ASTHMA Continued from Page 2

Other tips include:

- Keeping as healthy as possible by eating right and exercising regularly.
- Learning mental and emotional relaxation exercises.
- Asking your doctor for an "Asthma Management Plan." This plan will detail the purpose of your medicine, as well as tell you when to notify your doctor or go to the emergency room.
- Scheduling regular doctor visits and establishing open communication lines with your health-care professional.
- Taking part in May's Asthma and Allergy Month, Breathe Easy Month and World Asthma Day, to become better educated and informed about asthma.
- Take serious note of "Ozone Action Days," when air quality reaches unhealthy levels. Individuals with respiratory ailments, as well as children and the elderly, should limit their outdoor activities at those times. When air quality is forecasted to reach unhealthy levels, do your part to reduce air pollution by limiting driving, refueling your vehicle after dusk, and using non-gasoline powered

lawn equipment.

May is Allergy and Asthma Awareness Month. The national asthma health goals are aimed at increasing patient education, reducing hospitalizations and activity limitations associated with asthma, and monitoring asthma and other respiratory diseases triggered by environmental factors. Education is essential for motivating patients to manage their disease.

To learn more about asthma, call the Asthma and Allergy Foundation of America at (202) 466-7643, or visit their website at: www.aafa.org; contact the National Asthma Education and Prevention Program at: www.nhlbi.nih.gov; or Allergy and Asthma Network/Mothers of Asthmatics, Inc. at: www.aanma.org.

Although sometimes asthma resolves on its own, there currently is no cure for the illness.

Following the advice of a health-care professional and the suggestions in this article may keep episodic attacks down and enable sufferers to live more comfortably with asthma.

Maryland Department of the Environment presents Multi-Media Environmental Issues Seminar

Coordinated by
Waste Management Administration
Co-sponsored by
Tidewater Environmental Health Association

Date: May 12, 2000
Time: 8:30 am - 4:30 pm
Place: Chesapeake Community College, Wye Mills Campus
Intersection Rts. 50 & 213
1000 College Drive
Wye Mills, MD 21679
Cost: \$12--includes continental breakfast
and hot buffet lunch

This seminar is designed to provide Sanitarians and other environmental health professionals with current information regarding the Maryland Department of the Environment's (MDE) responsibilities. Both overview and breakout sessions will deal with air, water and waste topics of interest.

For further information, please contact:

Bill Schmidt, hscmidt@mde.state.md.us, (410) 758-5020 or Fran Stierstorfer, fstierstorfer@mde.state.md.us, (410) 631-3956, or call toll free (800) 633-6101 x3956.

OIL Continued from Page 4

should be returned to the water.

- **Avoid beaches and waterways affected by the spill.** Pets and livestock should be kept out of contaminated areas.

- **The entire Patuxent River is open to vessel traffic.** However, there are creeks that remain boomed off. A Marine Information Broadcast (MIB) is in effect. An MIB is a U.S. Coast Guard issued radio broadcast that announces the transit conditions of the river. Commercial and recreational craft are not to cross boomed areas. In addition, vessels are asked to keep the wake down where booms or cleanup crews are present. Inquiries from commercial vessels requiring transit into boomed areas can be directed to Coast Guard activities Baltimore Port Safety and Security at (410) 576-2693. Recreational users should contact the on-scene Maryland Natural Resources police officer at (888) 584-3110.

- All advisories relating to beaches and shorelines are still in effect.

Information resources

U.S. Environmental Protection Agency Region III--www.epa.gov/r3hwmd

Maryland Department of Emergency Management--www.mema.state.md.us

Maryland Department of the Environment--www.mde.state.md.us

Maryland Department of Natural Resources--www.dnr.state.md.us

Calvert County Emergency Management--www.co.cal.md.us/pubsafe/oilspill.htm

Charles County--www.govt.co.charles.md.us

St. Mary's County--www.co.saint-marys.md.us

PEPCO--www.pepco.com
Shellfish contact

1-800-541-1210

Prince George's County:
301-883-7681

Charles County:
301-609-6751

Calvert County:
301-535-3922

St. Mary's County:
301-475-4321

Maryland Dept. of the Environment:
1-800-633-6101 x3778 or 410-631-3778

Dept. of Health and Mental Hygiene: 1-888-584-3110

Numbers to Call to Report Incidents Related to the PEPCO Chalk Point Oil Spill
General Reports of Oil Damage:
1-800-553-2509

Oil on Beaches or Shoreline: 301-843-4480

Oil on Fish, and Fishery Related Questions: 410-260-8326

Oil on Birds and Wildlife, and Wildlife Related Questions: 301-855-1295/6 and 301-579-6098

Other Numbers to Call for Information Swanson Creek Marsh Joint Informa-

tion Center 301-579-2023

Department of Natural Resources
Hotline 1-888-584-3110

PEPCO Fuel Oil Spill Information
Hotline 1-800-685-1266

Chesapeake Wildlife Sanctuary 301-390-7010

—Compiled by Richard McIntire from Swanson Creek Joint Information Center releases and other agency sources.



Enforcement & Compliance Notes

Air and Radiation Management Administration

March 22 - April 17

F.O. Day - Montgomery County

MDE has received a penalty payment of \$10,000 from F. O. Day in settlement of an enforcement action brought by MDE to address odor and other air quality violations at F. O. Day's Montgomery County asphalt plant. The Company is constructing a new asphalt plant to replace the existing plant. The new plant is expected to abate odors and other air quality violations.

Status: Case Closed. (Reference # 99-MDE-ARMA-011-268)

Wallace Integrated Graphics - Montgomery County

On March 24, MDE issued a Corrective Order to Wallace Integrated Graphics for failure to report excess emissions and for violating regulatory limits for volatile organic compounds at its Montgomery County printing operation. The violations were uncovered during an MDE inspection. The Corrective Order requires the Company to submit a plan within 30 days to bring the facility into full and continuous compliance with air quality requirements.

Status: The Company has 10 days to appeal the Order. (Reference # 00-01-02)

Phoenix Services L.P. - Baltimore City

On April 13, MDE signed a Consent Order with Phoenix Services to address multiple air quality violations at its medical waste incineration facility in south Baltimore. The Order requires Phoenix to upgrade and improve its air pollution control equipment to ensure consistent compliance with air quality requirements. The Order also requires Phoenix to pay a penalty of \$38,000 to address past air quality violations.

Status: Case Closed. (Reference # ACP 99-03A)

Martel Laboratories - Baltimore County

MDE has issued a Complaint and Administrative Penalty in the amount of \$3,000 against Martel Laboratories for violations of Maryland's radioactive material requirements. An MDE inspection revealed that Martel violated several regulatory and license requirements related to the handling and use of radioactive materials.

Status: The Company has 30 days to request a hearing. (Reference # RHP 99-8)

Waste Management Administration

March 15 - April 14, 2000

Lead Program Enforcement

A total of \$74,120 in penalties were assessed against property owners for failure to register their properties in Baltimore City, Carroll, Kent, Montgomery, Prince George's, Washington and Wicomico Counties. A total of \$7,500 in accreditation violations were assessed in Prince George's County.

Water Management Administration

March 10, 2000 - April 12, 2000

Laser Applications, Inc. - Carroll County

Update - On March 8, 2000, MDE filed a civil complaint in the Carroll County Circuit Court against Laser Applications, Inc. (LAI) alleging unlawful wastewater discharges since 1979 to an unnamed tributary of the West Branch Patapsco River from LAI's facility in Westminster, Maryland. MDE is seeking a civil penalty of up to \$10,000 per day for each day LAI discharged wastewater to waters of the state without a State Discharge Permit. LAI has filed an appeal of the complaint and civil penalty.

Status: Case Pending. (Reference #JO-00-0167).

Riva Trace Council, Inc. - Anne Arundel County

Update - On February 23, 2000, MDE issued an administrative complaint and order to Riva Trace Council requiring

corrective actions to repair the pond dam located in the Riva Trace subdivision on Autumn Chase Drive in Annapolis. A negotiated settlement in the matter has been reached between MDE and Riva Trace.

Status: Case closed (Reference #AO-00-0148).

Triumph Industrial Park WWTP - Cecil County

On March 20, 2000, MDE and James E. Waters, owner of the Triumph Industrial Park, finalized an administrative consent order which resolved alleged NPDES permit violations at the Triumph Industrial Park Wastewater Treatment Plant (WWTP) located at 505 Blue Ball Road in Elkton. Under the terms of the Consent Order, Mr. Waters has agreed to implement improvements to the WWTP to address fecal coliform, dissolved oxygen and pH effluent violations. Mr. Waters has also agreed to pay \$3,150 to the Clean Water Fund in settlement of the alleged violations.

Status: Case closed. (Reference #CO-00-0141).

Universal Distribution Services, Inc. - Baltimore County

On April 4, 2000, MDE and Universal Distribution Services finalized an administrative consent order which resolved NPDES storm water permit violations and unlawful discharges to a tributary of Back River at the Universal Distribution Services facility located at 4000 Beachwood Road, Baltimore. Under the terms of the consent order, Universal Distribution has agreed to develop and implement a storm water pollution prevention plan and has also paid \$2,000 to the Clean Water Fund in settlement of alleged violations.

Status: Case closed. (Reference #CO-00-0128).

Erosion and Sediment Control Civil Penalties - Statewide

For the period March 10 through April 12, the Department collected a total of \$15,300 in civil penalties from six construction projects for failing to implement or maintain sediment controls during construction.

For the Record

The following is a list by county of applications received by MDE and other permitting activity between March 16 and April 15, 2000. For more information on these permits, contact MDE's Environmental Permit Service Center at (410) 631-3772.

Allegany

ALLEGANY AGGREGATES, INC. - 21235 National Pike, Cumberland, MD 21502. (TR 5951) Air permit to construct for one portable pug mill

CELANESE ACETATE LLC - AMCELLE SITE - 13850 Hazmat Drive, Southwest, Cumberland, MD 21502. (00DP3141) Groundwater industrial discharge permit

CLAYTON RAY ARNOLD - Mt. Lake Park, MD (51-GO-0132) Renewal of a gas permit

CLISE COAL COMPANY - Lonaconing, MD - Original Coal Permit

MOUNTAINVIEW SANITARY LANDFILL - 13300 New George's Creek Road, Southwest, Frostburg, MD 21532. (S-00-01-2918-BE) Sewage sludge disposal permit at landfill

TRI-STAR MINING - Barton, MD (SM-91-419) Insignificant Modification

UNITED ENERGY COAL - Frostburg, MD (SM-89-414) Full Transfer

Anne Arundel

APPLE SIGNS, INC. - 910 H Bestgate Road, Annapolis, MD 21401. (TR 5941) An air permit to construct for one paint spray booth

BELL ATLANTIC MARYLAND, INC. - 215 Ritchie Lane, Glen Burnie, MD 21061. (TR 5923) An air permit to construct for one emergency generator

CHANEY ENTERPRISES LIMITED PARTNERSHIP - Waldorf, MD (89-SP-0335) Modification of a surface mine permit located on Meyers Station Road and Conway Road

FAT DADDY'S RESTORATIONS - 2545 Mountain Road, Pasadena, MD 21122. (TR 5876) An air permit to construct for one paint spray booth

FORMICA CORPORATION - 8305 Telegraph Road, Odenton, MD 21113. (TR 5906) An air permit to construct for one mixer

HARWOOD LANDFILL INC., AA-155 - 4431 Sands Road, Harwood, MD 20776. Sewage sludge application on marginal land

REDLAND GENSTAR - 7970 Old Jessup Road, Jessup, MD 20794. (2000-OPT-3221) Oil operations permit for above ground storage tank and transportation

ST. LAURENT PACKAGING CORPORATION - 725 Pittman Road, Baltimore, MD 21226. (TR 5898) An air permit to construct for modification to add #2 fuel oil as backup to boiler

Baltimore City

APEX NORTH CORP. - 5101 Erdman Avenue, Baltimore, MD 21205. (2000-OPV-8483) Oil operations permit for transportation

CONDEA VISTA COMPANY - 3441 Fairfield Road, Baltimore, MD 21226. (2000-OPS-3529) Oil contaminated soil facility

DEXT COMPANY OF MARYLAND - 3220 Sun Street, Baltimore, MD 21226. (TR 5892) An air permit to construct for one afterburner

DOWNTOWN PRESS, INC. - 3051 Washington Boulevard, Baltimore, MD 21230. (TR 5918) An air permit to construct for one printing press

JOHN D. LUCAS PRINTING COMPANY - 1820 Portal Street, Baltimore, MD 21224. (TR 5938) An air permit to construct for one heatset printing press and dryers

LEHIGH PORTLAND CEMENT COMPANY - 3100 Mertens Avenue, Baltimore, MD 21224. (TR 5939) An air permit to construct for one baghouse

MERGENTHALER VOCATIONAL TECH. H.S. - 3500 Hillen Road, Baltimore, MD 21218. (TR 5949) An air permit to construct for three boilers > 10 MMBtu

PATAPSCO WASTE WATER TREATMENT PLAN - 3501 Asiatic Avenue, Baltimore, MD 21226. (TR 5891) An air permit to construct for four scrubbers

TRIGEN-ENERGY BALTIMORE - 641 West Saratoga Street, Baltimore, MD 21201. (00DP3066) Surface industrial discharge permit

Baltimore County

AERO HEATING CO., INC. - 2003 Orem Road, Baltimore, MD 21220. (2000-OPT-2113) Oil operations permit for above ground storage tank and transportation

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS - 111 W. Chesapeake Avenue, Towson, MD 21204. (00-1043) Sewerage permit to construct a force main along MD 702 and MD 150 east to Back River Neck Road south to Poles Road to Sidewell Court

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS - 111 W. Chesapeake Avenue, Towson, MD 21204. (00-1053) Sewerage permit to construct gravity sewers, a force main and the Stemmers Run Relief Wastewater Pumping Station at the southeast quadrant of the intersection of Race Road and Golden Ring Road

BARTON-COTTON, INC. - 1405 Parker Road, Baltimore, MD 21227. (TR 5940) An air permit to construct for one printing press

BECTON-DICKINSON MICROBIOLOGY SYSTEMS - 52 Loveton Circle, Sparks, MD 21152. (TR 5917) An air permit to construct for DNA Synthesis & HPLC Purification for ProbTec Diagnostic

BERMAN'S AUTOMOTIVE - 5720 Reisterstown Road, Baltimore, MD 21215. (TR 5904) An air permit to construct for two paint spray booths

BETHLEHEM STEEL CORP. - 5111 North Point Boulevard, Sparrows Point, MD 21219. (2000-03-00147C) Air quality permit to operate

BETHLEHEM STEEL CORP. - 5111 North Point Boulevard, Sparrows Point, MD 21219. (TR 5911) An air permit to construct for one slab cutting and scarfing line

C.P. CRANE AQUACULTURE FACILITY - 1001 Carroll Island Road, Chase, MD 21220. (00DP2043) Surface industrial discharge permit

COSENTINO CONTRACTING COMPANY, INC. - 8505 Contractors Road, Rosedale, MD 21237. (2000-OPT-2255) Oil operations permit for above ground storage tank and transportation

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (TR 5900) An air permit to construct for one 440 gallon mixer

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (TR 5901) An air permit to construct for one 440 gallon mixer

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (TR 5902) An air permit to construct for one 550 gallon mixer

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (TR 5942) An air permit to construct for modification to a mixer to manufacture adhesives

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (TR 5943) An air permit to construct for modification to Mixer #5 to manufacture adhesives

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (TR 5944) An air permit to construct for modification to Mixer #10 to manufacture adhesives

REDLAND GENSTAR D/B/A LAFARGE - Towson, MD (77-SP-0055-F) Modification of a surface mine permit located on Padonia Road

SIENA DEVELOPMENT CORPORATION, 12011 Guilford Road, Suite 101, Annapolis Junction, MD 20701. Voluntary Cleanup Program application for the Baltimore Goodwill Industries property located at 4001 Southwestern Boulevard, Baltimore, MD 21229

UNIVERSITY OF MARYLAND-BALTIMORE COUNTY - 1000 Hilltop Circle, Catonsville, MD 21250. (00DP1300) Surface industrial discharge permit

WENDELL TEXTILES, INC. - 8803 Kelso Drive, Baltimore, MD 21221. (00DP2209) Surface industrial discharge permit

Calvert

ESTATE OF LOUIS L. GOLDSTEIN. - Prince Frederick, MD (95-SP-0480) Modification of a surface mine permit located on Route 2 and 4

UNIVERSITY OF MARYLAND - CHESAPEAKE BIOLOGICAL LABORATORY - Farren Avenue, Solomons, MD 20688. (00DP2187) Surface industrial discharge permit

Carroll

BLACK & DECKER (U.S.), INC. - 626 Hanover Pike, Hampstead, MD 21074. (TR 5914) An air permit to construct for one 18" continuous selt sintering furnace

CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS - 225 North Center Street,

Westminster, MD 21157. (00-1047) Water permit to construct a water booster station at Pleasant Valley Road and Halter Road

FREEDOM DISTRICT WWTP - 1301 Raincliff Road, Sykesville, MD 21784. Sewage sludge transportation permit

LEHIGH PORTLAND CEMENT - MD Route 31, New Windsor, MD 21776. (00DP2448) Surface industrial discharge permit

RITTENHOUSE FUEL COMPANY - 3821 Hampstead Mexico Road, Hampstead, MD 21074. (2000-OPT-4403) Oil operations permit for above ground storage tank and transportation

SOIL SAFE, INC. - Kabik Court, Hoods Mill, MD 21797. (00DP3337) Surface industrial discharge permit

Cecil

CECIL COUNTY DEPARTMENT OF PUBLIC WORKS - 129 East Main Street, Elkton, MD 21921. (00-1046) Sewerage permit to upgrade the Cherry Hill Wastewater Treatment Plant, south of the intersection of Route 213 and Route 277 on Beauchamp Road

CECIL SAND & GRAVEL, INC. - Capitol Heights, MD (80-SP-0353-F) Modification of a surface mine permit located north side of Route 275

ELKTON STRIPED BASS HATCHERY - Meadow Park East, Delaware Avenue, Elkton, MD 21921. (00DP1626) Surface industrial discharge permit

MEADOWVIEW WWTP - 246 Fletchwood Road, Elkton, MD 21921. (S-00-07-2928-T) Sewage sludge transportation permit

MID STATES OIL REFINING CO. - 606 Lewisville Road, Elkton, MD 19351. (99-OPT-2513A) Oil operations permit for above ground storage tank and transportation

NORTHEAST RIVER ADVANCED WWTP - 123 Carpenters Point Road, Charlestown, MD 21914. (S-00-07-3845-E) Sewage sludge transportation permit

YORK BUILDING PRODUCTS CO., INC. - Perryville, MD (79-SP-0027) Modification of a surface mine permit located on US Route 40 and MD Route 7 near Perryville

Charles

CHARLES COUNTY SAND & GRAVEL HOWARD PIT, CH-86 - 1 Mile north of Route 488 on Route 5, Waldorf, MD 20604. (S-00-08-2472-M) Sewage sludge application on marginal land

J. EDWARD LANGLEY - LaPlata, MD (00-SP-0569) Permit for a surface mine permit located on MD Route 6

JEROME JAMESON PROPERTY, CH-156 - 7395 Olivers Shop Road, Hughsville, MD 20637. Sewage sludge application on agricultural land

RICHARDS INHERITANCE PARTNERSHIP, CH-157 - 7900 Richards Inheritance Place, La Plata, MD 20646. Sewage sludge application on agricultural land

Continued next Page

For the Record

SEVEN STAR AGGREGATES INC. - LaPlata, MD (94-SP-0458) Renewal of a surface mine permit located on New Market

THUNDERBIRD MOTEL WWTP - 11050 Crain Highway, Newburg, MD 20654. (00DP1239) Surface municipal discharge permit

Dorchester

SCHAEFER AND STROHMINGER DELMARVA AUTO PARK - 3132 Aireys Road Spur, Cambridge, MD 21613. (00DP2451) Groundwater industrial discharge permit

SOIL SAFE, INC. - Baltimore, MD (77-SP-0105) Renewal of a surface mine permit located on Bobtown Road and Railroad Tracks

Frederick

BORAL BRICKS, INC. - 9801 Rocky Ridge Road, Rocky Ridge, MD 21778. (00DP1112) Surface industrial discharge permit

BRUNSWICK WWTP - Chesapeake and Ohio Canal Road, Brunswick, MD 21716. (00DP0106) Surface municipal discharge permit

CONCORD TRAILER PARK - 4828 Jefferson Pike, at Pioneer Circle, Jefferson, MD 21755. (00DP0784) Surface municipal discharge permit

EASTALCO ALUMINUM COMPANY - 5601 Manor Woods Road, Frederick, MD 21703. (00DP0137) Major surface industrial discharge permit

FESTIVAL AT GREEN VALLEY - Route 80 & 75, Monrovia, MD 21770. (00DP2673) Surface municipal discharge permit

FORT DETRICK - AREA B - 810 Schreider Street, Frederick, MD 21702. (2000-WSF-0327-0) Solid waste municipal landfill permit

FRALL DEVELOPERS - 13992 Penn Shop Road, Mount Airy, MD 21771. (00-1057) Water permit to develop groundwater source for Samhill Estates - Well Nos. 4 and 5 at Lomar Drive off of Penn Shop Road between Larson Lane and Samhill Drive

FRANKLIN WILLIAMS FARM - 15210-C Motters Station Road, Rocky Ridge, MD 21778. Sewage sludge application on agricultural land

GLEN RICKARD FARM - off Motters Station Road, Rocky Ridge, MD 21757. Sewage sludge application on agricultural land

HARVEY MILLER FARM - 15500 Motters Station Road, Emmitsburg, MD 21727. Sewage sludge application on agricultural land

HUNTING CREEK FISHERIES - 6916 Blacks Mill Road, Thurmont, MD 21788. (00DP2637) Surface industrial discharge permit

LAUREL SAND & GRAVEL, INC. - Legore Bridge Road, Woodsboro, MD 21798. (TR 5915) An air permit to construct for one portable stone crushing plant

MOUNT SAINT MARY'S COLLEGE & SEM. - 16300 Old Emmitsburg Road, Emmitsburg, MD 21727. (TR 5916) An air permit to construct for one boiler rated at 25 MMBtu/hr

RUTH LONG I FARM - 15634 Motters Station Road, Emmitsburg, MD 21727. Sewage sludge application on agricultural land

RUTH LONG II FARM - 10539 Taneytown Pike, Emmitsburg, MD 21727. Sewage sludge application on agricultural land

RUTH LONG III FARM - 15296 Block of Frederick Road, Emmitsburg, MD 21727. Sewage sludge application on agricultural land

Garrett

GEORGE CREEK INC - Westernport, MD - Original

METTIKI COAL CO. - Oakland, MD (DM-84-101) Significant Modification

PINE MOUNTAIN COAL - Lonaconing, MD (SM-95-0424) Insignificant Modification

TEXAS EASTERN TRANSMISSION CORP. - Houston, TX (60-GO-0033) Renewal of a gas storage well

TEXAS EASTERN TRANSMISSION CORP. - Houston, TX (64-GO-0046) Renewal of a gas storage well

TEXAS EASTERN TRANSMISSION CORP. - Houston, TX (65-GO-0056) Renewal of a gas storage well

TEXAS EASTERN TRANSMISSION CORP. - Houston, TX (78-GO-0116) Renewal of a gas storage well

TEXAS EASTERN TRANSMISSION CORP. - Houston, TX (79-GO-0117) Renewal of a gas storage well.

Harford

ATLANTIC ENVIRONMENTAL SERVICES - 506 Pulaski Highway, Joppa, MD 21085. (2000-OPT-8480) Oil operations permit for above ground storage tank and transportation

MARYLAND REDI-MIX INC. - 810 Pulaski Highway, Joppa, MD 21085. (2000-OPT-4278) Oil operations permit for above ground storage tank and transportation

MILLION E DANEKER, SR - Bel Air, MD (79-SP-0119) Renewal of a surface mine permit located on Old Mountain Road

POTTS AND CALLAHAN, INC. - Baltimore, MD (85-SP-0196) Renewal of a surface mine permit located on Trimble Road

RITTENHOUSE FUEL CO., THE - 3636 Anderson Lane, Jarrettsville, MD 21084. (2000-OPT-4401) Oil operations permit for above ground storage tank and transportation

U.S. ARMY ABERDEEN PROVING GROUND - Aberdeen Area, Building 5045, Aberdeen Proving Ground, MD 21005. (TR 5887) An air permit to construct for modification to paint spray booth

U.S. ARMY ABERDEEN PROVING GROUND- ABERDEEN - 2201 Aberdeen Boulevard, Aberdeen Proving Ground, MD 21005. (S-00-12-3950-R) Sewage sludge research project

Howard

ADVANCED FINISHER, INC. - 8844 Washington Boulevard, Unit B, Jessup, MD 20794. (TR 5895) An air permit to construct for one cleaning furnace

COLUMBIA AUTO BODY, INC. - 6465 Dobbin Center Way, Columbia, MD 21045. (TR 5948) An air permit to construct for one paint spray booth

DANIEL G. SCHUSTER, INC. - 7111 Dorsey Run Road, Elkridge, MD 21227. (TR 5945) An air permit to construct for one portable ready mixed concrete plant

Kent

KENNEDYVILLE WWTP - Route 448, Kennedyville Road, Kennedyville, MD 21645. (00DP1142) Surface municipal discharge permit

KENT COUNTY DETENTION CENTER - Vickers Drive, Chestertown, MD 21620. (00DP3240) Surface industrial discharge permit

OWINGS AND SONS INC. - 29782 River Road, Millington, MD 21651. (2000-OPT-8345) Oil operations permit for above ground storage tank and transportation

Montgomery

BARDON, INC. - Greenbelt, MD (77-SP-0061-D) Renewal of a surface mine permit located on Travilah Road

FREESTATE PETROLEUM CORPORATION - 510 Hungerford Drive, Rockville, MD 20850. (TR 5880) An air permit to construct for one soil remediation system

GAITHERSBURG RECYCLING CENTER, LLC - 8701 Snouffer School Road, Gaithersburg, MD 20879. (2000-NWW-GP01) Natural Woodwaste Permit

M & M WELDING & FABRICATORS, INC. - 8100 Cessna Avenue, Gaithersburg, MD 20879. (2000-OPT-2475) Oil operations permit for above ground storage tank and transportation

MCI WORLDCOM - 1201 Seven Locks Road, Rockville, MD 20855. (TR 5922) an air permit to construct for one emergency generator

Prince George's

BARDON, INC. - Greenbelt, MD (77-SP-0038) Transfer of a surface mine permit located on Bevard Road

BARDON, INC. - Greenbelt, MD (77-SP-0571) Permit for a surface mine permit located on Dyson Road

BARDON, INC. - Greenbelt, MD (89-SP-0329) Transfer of a surface mine permit located on Orme Road

CHESAPEAKE CREMATORY - 10771 Tucker Street, Beltsville, MD 20705. (2000-16-02106) Air quality permit to operate

CITY OF BOWIE DEPARTMENT OF PUBLIC WORKS - 16550 Annapolis Road, Bowie, MD 20715. (00-1058) Sewerage permit to upgrade the Bowie Wastewater Treatment Plant at MD Route 3 and MD Route 50 West

CITY OF BOWIE DEPARTMENT OF PUBLIC WORKS - 16550 Annapolis Road, Bowie, MD 20715. (00-1059) Water permit to upgrade the Bowie Water Treatment Plant at MD Route 450 and Superior Lane

DANIEL G. SCHUSTER, INC. - Ammendale Road, Beltsville, MD 20705. (TR 5921) An air permit to construct for one portable concrete plant

ENTZIAN FARM - MD Route 214 & Queen Anne's Bridge, Mitchellville, MD 20772. Sewage sludge application on agricultural land

LAUREL SAND & GRAVEL, INC. - Laurel, MD (84-SP-0246) Renewal of a surface mine permit located on Van Dusen Road

LUSTINE BODY DIVISION - 5323 Baltimore Avenue, Hyattsville, MD 20781. (TR 5903) An air permit to construct for three paint spray booths

PETROLEUM MANAGEMENT, INC. - 11504 East Maple Avenue, Beltsville, MD 20705. (99-OPT-6798A) Oil operations permit for above ground storage tank and transportation

WMATA - LANDOVER METROBUS GARAGE FACILITY - 3433 Pennsy Drive, Landover, MD 20785. (00DP2725) Surface industrial discharge permit

Queen Anne's

FAIR HILL FARMS INC - Chestertown, MD (90-SP-0361-1) Renewal of a surface mine permit located on Glanding Road

Somerset

RICHARD REYNOLDS - Eden, MD (00-SP-0570) Permit for a surface mine permit located on Peggyneck Road

St. Mary's

BOB'S EXCAVATING, INC. - Leonardtown, MD (98-SP-0536-A) Modification for a surface mine permit located on Maryland Route 4

MARYLAND ENVIRONMENTAL SERVICE - 2011 Commerce Park Drive, Annapolis, MD 21401. (00-1048) Sewerage permit to upgrade the Charlotte Hall Veteran Home Wastewater Treatment Plant

US DEPARTMENT OF THE NAVY AT THE PATUXENT RIVER NAVAL AIR STATION - 22445 Peary Road, Patuxent River, MD 20670. (00-1054) Water permit to replace an existing water tower at Fortin Circle and Cedar Point Road

US DEPARTMENT OF THE NAVY AT THE PATUXENT RIVER NAVAL AIR STATION - 22445 Peary Road, Patuxent River, MD 20670. (00-1055) Water permit to replace an existing water tower at Shaw Road and Nickles Road

US DEPARTMENT OF THE NAVY AT THE PATUXENT RIVER NAVAL AIR STATION - 22445 Peary Road, Patuxent River, MD 20670. (00-1056) Water permit to replace an existing water tower at Mandt Road and Liljencrantz Road

Talbot

HOWARD MEREDITH PROPERTY TA-33 - 28957 Queen Anne Highway, Wye Mills, MD 21679. Sewage sludge application on agricultural land

MEADOW FARM JOINT VENTURE LLP, TA-55 - 29046 Collier Lane, Easton, MD 21601. Sewage sludge application on agricultural land

SOUTHERN STATES COOPERATIVE, INC. - 801 Port Street, Easton, MD 21601. (2000-OPS-4465) Oil contaminated soil facility

SOUTHERN STATES COOPERATIVE, INC. - 801 Port Street, Easton, MD 21601. (2000-OPT-4465) Oil operations permit for above ground storage tank and transportation

For the Record

Washington

A. C. & T. CO., INC. - 724 Frederick Street, Hagerstown, MD 21740. (2000-OPT-2102) Oil operations permit for above ground storage tank and transportation

A.C & T CO., INC. - 11564 Hopewell Road, Hagerstown, MD 21740. (2000-OPT-2101) Oil operations permit for above ground storage tank and transportation

CITY OF HAGERSTOWN WATER DEPARTMENT - 51 West Memorial Boulevard, Hagerstown, MD 21740. (00-1044) Water permit to upgrade the R.C. Willson Water Treatment Plant in Williamsport

EWING OIL COMPANY, INC. - 11949 Robin Wood Drive, Hagerstown, MD 21741. (2000-OPT-4126) Oil operations permit for above ground storage tank and transportation

MARYLAND CORRECTIONAL INSTITUTION - 18601 Roxbury Road, Hagerstown, MD 21740. (S-00-21-3922-E) Sewage sludge transportation permit

MILITARY DISTRICT OF WASHINGTON - P. O. Box 485, Cascade, MD 21719. (99-1064) Water permit to upgrade the Fort Ritchie Well # 4 at McAfee Hill Road and Pen Mar Road

R. C. WILLSON WATER FILTRATION PLANT - 10802 Water Works Road, Williamsport, MD 21795. (00DP0626) Surface municipal discharge permit with groundwater option

RESH ROAD II/ WASHINGTON COUNTY LANDFILL - 13300 Greencastle Pike, Hagerstown, MD 21740. Solid waste municipal landfill permit

SANDY HOOK WWTP - Harpers Ferry Road at Sandy Hook, Sandy Hook, MD 21758. (00DP2728) Surface municipal discharge permit

SOLLIDAY OIL COMPANY - 325 East Wilson Boulevard, Hagerstown, MD 21740. (2000-OPT-2665) Oil operations permit for above ground storage tank and transportation

TOWN OF HANCOCK - 126 W. High Street, Hancock, MD 21750. (00-1049) Water permit to install water softener at the Pennsylvania Avenue Water Supply Facilities

TOWN OF HANCOCK - 126 W. High Street, Hancock, MD 21750. (00-1050) Sewerage permit to renovate the Number Two Wastewater Pumping Station and the Center Street Wastewater Pumping Station

WOOD/MAX, INC. - 901 Pope Avenue, P.O. Box 2716, Hagerstown, MD 21741. (TR 5890) An air permit to construct for one paint spray booth

Wicomico

CHERRY HILL CONDOMINIUM ASSOCIATION, INC. - 5418 Cherry Hill Lane, Salisbury, MD 21801. (00DP3161) Groundwater municipal discharge permit

CROWN CORK & SEAL - Crown Road at U.S. Route 13 South, Fruitland, MD 21826. (00DP2503) Surface industrial discharge permit

Worcester

BRADFORD ENTERPRISES, INC. - 10031 Kepler Lane, Bishopville, MD 21813. (TR 5937) An air permit to construct for one temporary crush-

ing plant

CAMBR REALTY - 11017 Manklin Meadows Lane, Berlin, MD 21811. (00-1051) Water permit to construct a water treatment plant at The Pavilions, at the intersection of MD 589 and Beachamp Road

MAYOR AND COUNCIL OF BERLIN - 10 William Street, Berlin, MD 21811. (00-1062) Water permit to lay water mains along MD Route 818 from MD Route 346 to US Route 50

MYSTIC HARBOUR DEVELOPMENT CORPORATION - 9428 Stephen Decatur Highway, Berlin, MD 21811. (00-1052) Sewerage permit to construct the Mystic Harbour Wastewater Pumping Station "F", at the Mystic Harbour Boulevard and Blue Heron Circle

Out of State

ATLAS WASTE OIL CORPORATION - 6801 State Road, Philadelphia, PA 19135. (2000-OPV-8430) Oil operations permit for transportation

Issuances

Allegany

CITY OF FROSTBURG - 37 Broadway, Frostburg, MD 21532. (00-22-1011) Sewerage permit to construct sanitary sewers along Center Street and Bowers Street

DUCKWORTH COAL CO. # 116 - 1.3 Mile Northwest of Westernport, Westernport, MD 21562. (00CM2281) General permit registration for discharge from surface coal mines and related facilities

G & S COAL COMPANY, INC. - #264 - AREA A - 1.6 Mile Northeast Westernport, Stoney Run Road, Westernport, MD 21562. (00CM9604) General permit registration for discharge from surface coal mines and related facilities

JENKINS DEVELOPMENT CO. (SM-87-411) - One Mile Northwest of Lonaconing, MD 21539. (00CM2306) General permit registration for discharge from surface coal mines and related facilities

JOHN A. MILTENBERGER- HI-JA FARM - Canal Ferry Road, Mexico Farms, Cumberland, MD 21502. (S-98-01-4414-A1) Sewage sludge application on agricultural land

JOHN DUCKWORTH COAL CO. (SM-84-372) - 1/2 Mile Northwest of Eckhart Mines, Frostburg, MD 21532. (00CM1729) General permit registration for discharge from surface coal mines and related facilities

LAVALE SANITARY COMMISSION - 1 Roselawn Avenue, Lavale, MD 21504. (99-16-1090) Water permit to upgrade the Red Hill Water Treatment Plant

LOIS B. LOAR PROPERTY - 16014 Rawlings Lane, Rawlings, MD 21557. (S-00-01-4655-A) Sewage sludge application on agricultural land

PATRIOT MINING COMPANY - Lonaconing,

MD (SM-92-423) Insignificant Modification

PINE MOUNTAIN COAL (SM-95-424) - Red Bird Lane, Lonaconing, MD 21539. (00CM2892) General permit registration for discharge from surface coal mines and related facilities

TRI-STAR MINING - Barton, MD (SM-91-419) Insignificant Modification

TRI-STAR MINING - Barton, MD (SM-91-419) Significant Modification

TRI-STAR MINING # 117 - MD Route 36, 0.25 Mile South of Barton, Barton, MD 21521. (00CM2345) General permit registration for discharge from surface coal mines and related facilities

TRI-STAR MINING, INC., SM-91-419 - 1.4 Mile West of Barton, Barton, MD 21521. (00CM2802) General permit registration for discharge from surface coal mines and related facilities

UNITED ENERGY COAL - Lonaconing, MD (SM-92-423) Full Transfer

WIN-MORE MINING - OPA NO. 98-09 - Old Midlothian Road, Midlothian, MD 21543. (99DP3287) Surface industrial discharge permit

WIN-MORE MINING & CONSTRUCTION. CO. - #S 273 & 375 - Pond Creek Road, Midlothian, MD 21543. (00CM1150) General permit registration for discharge from surface coal mines and related facilities

Anne Arundel

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS - 2662 Riva Road, Annapolis, MD 21401. (99-25-1130) Sewerage permit to upgrade the existing Patuxent Water Reclamation Facility

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS - 2662 Riva Road, Annapolis, MD 21401. (00-11-1031) Water permit to construct the Rose Haven water distribution system along MD Route 261

BBSS - Millersville, MD (77-SP-0096-G) Modification issued for a surface mine permit located on Waugh Chapel and Brickhead Roads

BLUE RIBBON CLEANERS - 114 Hillsmere Drive, Annapolis, MD 21403. (02-6-0928 N) Air general permit to construct for one dry cleaning machine

DANIEL G. SCHUSTER, INC. - Park 100 Drive, Glen Burnie, MD 21061. (02-6-0927 N) Air permit to construct for one concrete plant

DORCHESTER ASSOCIATES, LLC - 1746 N Street, NW, Washington D.C. 20036. (00-22-1015) Sewerage permit to construct Dorchester interceptor sewer along Piney Run, south of Dorsey Road, East of Baltimore/Washington Parkway

MAYO LARGE COMMUNAL W.R.F. - 551 Pure Water Way, Edgewater, MD 21032. (98DP2291) Surface municipal discharge permit

PATUXENT WATER RECLAMATION FACILITY - 2513 Conway Road, Crofton, MD 21114. (02-9-0694) Air permit to construct for modification to odor control system

PINEY ORCHARD WWTP - 8791 Piney Orchard Parkway, Odenton, MD 21113. (00DP1936) Surface municipal discharge permit

SOLLEY ROAD SANITARY LANDFILL - 7890

Solley Road, Glen Burnie, MD 21060. (98DP2755) Groundwater industrial discharge permit

TPH RM, INC. - 7948 Fort Smallwood Road, Baltimore, MD 21226. (2000-OPX-1432) Oil operation permit for sludge solidification

XPRESS FUELS INC. - 601 Baltimore Annapolis Boulevard, #210, Severna Park, MD 21146. (2000-OPV-8383) Oil operations permit for transportation

Baltimore City

BAYVIEW CREMATORY, INC. - 5500 O'Donnell Street, Baltimore, MD 21224. (24-1-0470 N) Air permit to construct for one crematory

E. STEWART MITCHELL, INC. - 1400 Ceddox Street, Baltimore, MD 21226. (2000-OPT-2520) Oil operations permit for above ground storage tank and transportation

EFFICIENCY CITGO - 6301 Efficiency Way, Baltimore, MD 21225. (24-9-0897 N) Air general permit to construct for two 12,000 gallon gasoline underground storage tanks

EMJAY ENGINEERING & CONSTRUCTION CO. - 4205 Menlo Drive, Baltimore, MD 21215. (2000-OGR-8475) General permit for treated groundwater from oil contaminated sources

GAF MATERIALS CORPORATION - 1500 South Ponca Street, Baltimore, MD 21224. (24-6-1725 N and 24-4-2957 M) Air permit to construct for one asphalt blowstill

JEFFERSON SMURFIT CORPORATION - 6541 Eastern Avenue, Baltimore, MD 21224. (24-6-1462 M) Air permit to construct for one printing press

JOHNS HOPKINS UNIVERSITY - 725 North Wolfe Street (Ross Building), Baltimore, MD 21205. (9-0895 N & 9-0896 N) Air permit to construct for two emergency generators

KS WYMAN PARK DEVELOPMENT CO. LLC, c/o STRUEVER BROS. ECCLES & ROUSE, 1422 Nicholson Street, Baltimore, MD 21230. No Further Requirements Determination issued by the Voluntary Cleanup Program for the Kirk-Stieff Silver Building property located at 800 Wyman Park Drive, Baltimore, MD 21211

LECATO WASTE OIL SERVICE-BELTWAY TRUCK SERVICE - 3426 Carriage Hill Circle Apt T-4, Randallstown, MD 21133. (2000-OPV-2457) Oil operations permit for transportation

PETROLEUM FUEL & TERMINAL CO. - 1622 South Clinton Street, Baltimore, MD 21224. (24-01923) Air quality permit to operate

PHIPPS CONSTRUCTION CONTRACTORS, - 4300 Shannon Drive, Baltimore, MD 21213. (24-6-1602 N) Air permit to construct for concrete crusher

STRATUS PETROLEUM CORPORATION - 3100 Vera Street, Baltimore, MD 21226. (24-00730) Air quality permit to operate

TOSCO TERMINAL COMPANY - BALTIMORE TERMINAL - 2155 Northbridge Avenue, Baltimore, MD 21226. (99-OPT-3010A) Oil operations permit for above ground storage tank and transportation

TRIGEN-ENERGY BALTIMORE - SPRING GARDENS PLANT - 1500 Leadenhall Street, Baltimore, MD 21230. (2000-OPT-2060) Oil operations permit for above ground storage tank and transpor-

For the Record

tation

U-SAVE-ON-OIL CO. INC. - 3140 Opel Lane, Baltimore, MD 21229. (2000-OPV-5319) Oil operations permit for transportation

Baltimore County

AMERICAN STONE-MIX, INC. - 10300 Pulaski Highway, White Marsh, MD 21162. (03-6-1159 M) Air permit to construct for replacement dryer

BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS - 111 W. Chesapeake Avenue, Towson, MD 21204. (00-22-1043) Sewerage permit to construct a force main along MD 702 and MD 150 east to Back River Neck Road south to Poles Road to Sidewell Court

BETHLEHEM STEEL CORP-SPARROWS POINT - 5111 North Point Boulevard, Sparrows Point, MD 21219. (03-6-0943 M) Air permit to construct for one caster strand

C.J. LANGENFELDER & SON - Blast Furnace Road, Sparrows Point, MD 21219. (2000-OPT-3035) Oil operations permit for above ground storage tank and transportation

EXXON RAS#2-5471 - 3023 Hammonds Ferry Road, Baltimore, MD 21227. (2000-OGR-8376) General permit for treated groundwater from oil contaminated sources

MARK'S AUTO BODY - 5512 Reisterstown Road, Baltimore, MD 21215. (24-6-1723 N) Air permit to construct for one paint spray booth

MIDDLE RIVER AIRCRAFT SYSTEMS, INC - 103 Chesapeake Park Plaza, Baltimore, MD 21230. (03-6-2573 N) Air permit to construct for paint booth and integral dryer

NATIONAL GYPSUM COMPANY - 2301 South Newkirk Street, Baltimore, MD 21244. (24-6-1724 N) Air permit to construct for one waste wall board crusher-grinder

NEW ENGLAND CONTAINER - 4601 North Point Boulevard, Baltimore, MD 212191007. (03-02220) Air quality permit to operate

NORTHROP GRUMMAN CORP ES3-ATL - 1212 Winterson Road, Linthicum, MD 21090. (02-6-0565 M) Air permit to construct for two fume hoods, one laser dep. mach, one etcher

PARTNER RECYCLING, INC. - 1001 68th Street, Baltimore, MD 21237. (03-4-1953 N) Air general permit to construct for one boiler < 10 MMBTU

REGENCY CLEANERS - 1809 Reisterstown Road, Baltimore, MD 21208. (03-6-2591 N) Air general permit to construct for one dry cleaning machine

ROYAL FARM STORE # 104 - 1010 Old Eastern Avenue, Essex, MD 21220. (03-9-1107 N) Air general permit to construct for one 20,000 gallon gasoline underground storage tank

SCHLUMBERGER MALCO, INC. - 9800 Reisterstown Road, Owings Mills, MD 21117. (24-005-00384) Air quality part 70 operating permit

SPARROWS POINT SCRAP PROCESSING LLC (SPSPLLC) - 7th Street (On Bethlehem Steel Prop, Sparrows Point, MD 21219. (2000-OPT-7681) Oil operations permit for above ground storage tank and transportation

THE ARUNDEL CORPORATION - Sparks, MD

(77-SP-0031) Renewal issued for a surface mine permit located Greenspring Avenue

TILLEY CHEMICAL CO., INC. - 501 Chesapeake Park Plaza, Baltimore, MD 21220. (2000-OPT-2699) Oil operations permit for above ground storage tank and transportation

TOWSON UNIVERSITY MILLENNIUM HALL - 8000 York Road, Towson, MD 21204. (03-5-1678 & 1679 N) Air general permit to construct for two boilers < 10 MMBTU

UNITED STATES CAN CO-STEELTIN DIV. - 1101 Todds Lane, Baltimore MD 21237. (03-6-2470 N and 03-6-2471 N) Air permit to construct for U-persede Permit #03-6-2470N & 2471N 7/22/99

VELVETONE CLEANERS - 6001 Liberty Road, Baltimore, MD 21207. (03-6-2590 N) Air general permit to construct for one dry cleaning machine

WARD TRUCKING CORPORATION - 3510 Washington Boulevard, Baltimore, MD 21227. (97SW1358) General permit registration for stormwater associated with industrial activity

Calvert

BOWENS GROCERY - 4300 Hunting Creek Road, Huntingtown, MD 20639. (04-9-0040 N) Air general permit to construct for one 12,000 and one 6,000 gallon gasoline underground storage tank

CHESAPEAKE COLLISION - 2300 Solomons Island Road, Huntingtown, MD 20639. (04-6-0026 N) Air permit to construct for one paint spray booth

GEORGE W. HELFRICH - Baltimore, MD (93-SP-0434) Renewal issued for a surface mine permit located Parkers Creek Road

ST. LEONARD FASTOP - 4990 St. Leonard Road, St. Leonard, MD 20685. (04-9-0041 N) Air general permit to construct for one 12,000 and one 8,000 gallon gasoline underground storage tank

THE GOTT COMPANY, INC. - 201 Bugeye Square, Prince Frederick, MD 20678. (2000-OPT-8347) Oil operations permit for above ground storage tank and transportation

Caroline

DAVID A. BRAMBLE - MID-SHORE - 421 West Bell Street, Ridgely, MD 21660. (05-00056) Air quality permit to operate

MIKE DAVIDSON SAND & GRAVEL, LLC - Centreville, MD (94-SP-0467-C) Renewal and modification issued for a surface mine permit located Routes 312 and 304

MURPHY TRANSPORT INC. - 12637 Ridgely Road, Greensboro, MD 21639. (2000-OPV-8433) Oil operations permit for transportation

Carroll

CITY OF WESTMINSTER DEPARTMENT OF PUBLIC WORKS - 1838 Emerald Hill Lane, Westminster, MD 21157. (00-16-1024) Water permit to construct a water treatment plant in the vicinity of Windsor Drive at Carfaro

LEHIGH PORTLAND CEMENT COMPANY - Union Bridge, MD (87-SP-0265-A) Renewal issued for a surface mine permit located Maryland Route 31

NORTHROP GRUMMAN CORPORATION - 7301 Sykesville Road, Sykesville, MD 21203. (06-

6-0262 M) Air permit to construct for one modification to miscellaneous metal coating operation

THE ARUNDEL CORPORATION - Sparks, MD (98-SP-0533) Permit issued for a surface mine permit located Medford Road

Cecil

AFAB OIL MANAGEMENT SERVICES, LLC. - 171 Childs Road, Elkton, MD 21921. (2000-OGT-7679) General permit for storm/hydrostatic test water from oil terminals

TOWN OF CECILTON WATER DISTRIBUTION SYSTEM - Maryland Routes 213 and 282, Cecilton, MD 21913. (95HT9409) General permit registration for discharge from hydrostatic testing

YORK BUILDING COMPANY, INC - Perryville, MD (79-SP-0027-G) Modification issued for a surface mine permit located on US Route 40

Charles

SEVEN STAR AGGREGATES INC - LaPlata, MD (00-SP-0560) Permit issued for a surface mine permit located on Route 5

W W BOWLING AND SONS - Charlotte Hall, MD (94-SP-0461) Renewal issued for a surface mine permit located on Allen Fresh Road

Dorchester

CITY OF CAMBRIDGE DEPARTMENT OF PUBLIC WORKS - 705 Leonard Lane, Cambridge, MD 21613. (00-25-1004) Sewerage permit to construct biological nitrogen removal process and install odor control facilities at the City of Cambridge Wastewater Treatment Plant

JEROL MOORE LANDSCAPING & EXCAVATING, INC. - Cambridge, MD (90-SP-0355-2) Renewal issued for a surface mine permit located on Airey Road

Frederick

JEFFERSON CLEANERS - 438 Prospect Boulevard, Frederick, MD 21701. (10-6-0486 N) Air general permit to construct for one dry cleaning machine

MILLER ASPHALT - 11421 Woodsboro Pike, Keymar, MD 21757. (2000-OPT-3277) Oil operations permit for above ground storage tank and transportation

SUPERIOR CONCRETE, LLC - 5823 Urbana Pike, Frederick, MD 21704. (10-6-0485 N) Air permit to construct for one concrete batch plant

Garrett

ALLEGHENY MINING CORP. #297 - Foxtown Road, Bittinger, MD 21520. (00CM1184) General permit registration for discharge from surface coal mines and related facilities

DEEP CREEK QUARRY LLC - 554 Crabtree Bottom Road, McHenry, MD 21541. (11-00035) Air quality permit to operate

G & S COAL COMPANY - BLOOMINGTON (SM-84-325) - Chestnut Grove Road, 3.5 Mile Southwest of Bloomington, Bloomington, MD 21523. (00CM1519) General permit registration for discharge from surface coal mines and related facilities

G & S COAL COMPANY # 365 - Mt. Zion Road,

Swanton, MD 21561. (00CM1716) General permit registration for discharge from surface coal mines and related facilities

G & S COAL COMPANY #421 - Mount Zion Road, Swanton, MD 21561. (00CM2905) General permit registration for discharge from surface coal mines and related facilities

TRI-STAR MINE # SM-97-429 - Russell Road, Barton, MD 21521. (00CM9603) General permit registration for discharge from surface coal mines and related facilities

Harford

CACTUS WILLIES STEAK BUFFET - 602 Bel Air Road - Harford Mall, Bel Air, MD 21014. (12-8-0054 N) Air general permit to construct for one charbroiler

DANEKER SAND & GRAVEL - Bel Air, MD (79-SP-0119-A) Renewal issued for a surface mine permit located on Orsburh Lane

HARFORD SANDS, INC. - Joppa, MD (77-SP-0089) Renewal issued for a surface mine permit located on Fort Hoyle Road

HUSKY OIL - 1702 Conowingo Road, Bel Air, MD 21014. (2000-OPT-5314) Oil operations permit for above ground storage tank and transportation

INTERCON TRUCK EQUIPMENT OF BALT. - 1200 Pauls Lane, Joppa, MD 21085. (12-6-0347 N) Air permit to construct for one paint spray booth

SHERWIN WILLIAMS COMPANY - CLEANING SOLUTIONS GROUP - 1354 Old Post Road, Havre De Grace, MD 21078. (97SW1353) General permit registration for stormwater associated with industrial activity

T. C. SIMONS, INC. - 2011 Belair Road, Fallston, MD 21047. (2000-OPT-5298) Oil operations permit for above ground storage tank and transportation

T.C. SIMONS - INDEPENDENCE CONSTRUCTION MATERIALS - 910 Old Philadelphia Road, Aberdeen, MD 21001. (2000-OPT-4055) Oil operations permit for above ground storage tank and transportation

U.S. ARMY ABERDEEN PROVING GROUND- ABERDEEN - 2201 Aberdeen Boulevard, Aberdeen Proving Ground, MD 21005. (24-025-00081) Air quality part 70 operating permit

Howard

CLARKESVILLE SQUARE CLEANERS - 5805 Clarksville Square Drive, Clarksville, MD 21045. (13-6-0294 N) Air general permit to construct for one dry cleaning machine

DAVIS & HEMPHILL, INC. - 5710 Furnace Avenue, Elkridge, MD. 21075 (13-4-0172 N) Air general permit to construct for one boiler < 10 MMBTU

HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING - 3450 Court House Drive, Ellicott City, MD 21043. (00-22-23-1002) Sewerage permit to construct sanitary sewers and a wastewater pumping station northeasterly along Old Frederick Road from the intersection of MD Route 99 and Old Frederick Road to serve the Hollifield Estates

OWENS CORNING - 8235 Patuxent Range Road, Jessup, MD 20794. (13-6-0029 M) Air per-

For the Record

mit to construct for one bulk sealant asphalt storage tank

OWENS CORNING - 8239 Patuxent Range Road, Jessup, MD 20794. (13-9-0098 M) Air permit to construct for two asphalt storage tanks

OWENS CORNING - 8239 Patuxent Range Road, Jessup, MD 20794. (13-9-0225 N) Air permit to construct for one asphalt storage tank

PARKER FUEL CO. INC. - 9319 Baltimore National Pike, Ellicott City, MD 21042. (2000-OPT-2564) Oil operations permit for above ground storage tank and transportation

Kent

CHESTERTOWN BRICK COMPANY, INC. - Chestertown, MD (77-SP-0046-B) Renewal issued for a surface mine permit located on Route 213

DULIN RUBBLE LANDFILL - 23310 Ricards Branch Road, Chestertown, MD 21620. (99-DP-2978) Solid waste groundwater discharge permit for rubble landfill

TOWN OF GALENA WATER DISTRIBUTION SYSTEM - Maryland Routes 213 & 313, Galena, MD 21635. (95HT9410) General permit registration for discharge from tanks, pipes, and other containment structures (hydrostatic testing)

Montgomery

ASBURY METHODIST VILLAGE, INC. - 401 Russell Avenue-Trott Complex, Gaithersburg, MD 20877. (15-9-0615 N) Air permit to construct for one generator

BARDON, INC. DBA MERIT CONCRETE - 13900 Piney Meetinghouse Road, Rockville, MD 20850. (15-6-0607N) Air permit to construct for one portable concrete plant

BETHESDA AVENUE DRY CLEANERS - 4957 Bethesda Avenue, Bethesda, MD 20814. (15-6-0610 N) Air general permit to construct for one dry cleaning machine

BIOQUAL, INC. - 2501 Research Boulevard, Rockville, MD 20850. (15-5-1213 Through 1215 N) Air general permit to construct for three boilers < 10 MMBTU

CELERA GENOMICS - 45 West Gude Drive, Rockville, MD 20850. (15-9-0613 & 9-0614N) Air permit to construct for two emergency generators

FREESTATE PETROLEUM CORPORATION - 510 Hungerford Drive, Rockville, MD 20850. (15-9-0622 N) Air permit to construct for one soil remediation system

J & K DRY CLEANERS - 7607 Maple Avenue, Takoma Park, MD 20912. (15-6-0612 N) Air general permit to construct for one dry cleaning machine

NATIONAL INSTITUTES OF HEALTH - 9000 Rockville Pike, Bethesda, MD 20892. (95DP9408) General permit registration for discharge from tanks, pipes, and other containment structures (hydrostatic testing)

SMITH LITHOGRAPH CORPORATION - 1029 East Gude Drive, Rockville, MD 20850. (15-6-0606 N) Air permit to construct for one printing press

Prince George's

LAPORTE PIGMENTS, INC. - 7011 Muirkirk Road, Beltsville, MD 20705. (16-00581) Air quality permit to operate

LAUREL CITY PUBLIC WORKS FACILITY - 305 First Street, Laurel, MD 20707. (16-9-1067 N) Air general permit to construct for one 3,000 gallon gasoline above ground storage tank

MARYLAND FIRE & RESCUE INSTITUTE - Paint Branch Parkway at Calvert Road, College Park, MD 20740. (99DP1941) Surface industrial discharge permit

METRO RE-UZ-IT COMPANY, INC. - 3401 Kenilworth Avenue, Hyattsville, MD 20781. (97SW1357) General permit registration for stormwater associated with industrial activity

PANDA BRANDYWINE, L.P. - 16400 Mattawoman Drive, Brandywine, MD 20613. (2000-OPT-5299) Oil operations permit for above ground storage tank and transportation

PATUXENT WILDLIFE RESEARCH CENTER - 12311 Beach Forest Road, Laurel, MD 20708. (98DP2538) Surface municipal discharge permit

RIVERTOWN CLEANERS - 6229 Oxon Hill Road, Oxon Hill, MD 20745. (16-6-1072 N) Air general permit to construct for one dry cleaning machine

STAR CLEANERS - 5057 Garrett Avenue, Beltsville, MD 20705. (16-6-1073 N) Air general permit to construct for one dry cleaning machine

STONE INDUSTRIAL PRECISION PRODUCTS - 9207 51st Avenue, College Park, MD 20740. (16-00429) Air quality permit to operate

Somerset

AMERICAN PAVING CORP. - Peggy Neck Road, Princess Anne, MD 21853. (95MM2568) General permit registration for discharge from construction sand and gravel

EWELL WWTP-SMITH ISLAND - 3780 Smith Island Road, Ewell, MD 21824. (98DP1099) Surface municipal discharge permit

RICHARD D REYNOLDS - Eden, MD (78-SP-0436) Renewal issued for surface mining located on Allen Road

TYLERTON WWTP - 3039 Union Church Road, Tylerton, MD 21866. (98DP1100) Surface municipal discharge permit

St. Mary's

FRESH FROM THE SEA - 20840 Olen Mattingly Road, Avenue, MD 20609. (95SE3127) General permit registration for discharge from seafood processing

LEONARDTOWN STATE POLICE BARRACKS - 23200 Leonard Hall Drive, Leonardtown, MD 20650. (2000-OGR-8374) General permit for treated groundwater from oil contaminated sources

WAWA FOOD MARKET - Routes 246 & 237, Great Mills, MD 20634. (18-9-0042 N) Air general permit to construct for three 20,000 gallon gasoline underground storage tanks

Talbot

SOUTHERN STATES COOPERATIVE, INC. - 801 Port Street, Easton, MD 21601. (2000-OGT-4465) General permit for storm/hydrostatic test water from oil terminals

Washington

GARDEN STATE TANNING, INC. - 15717 Clear Spring Road, Williamsport, MD 21795. (99-OPT-4002A) Oil operations permit for above ground storage tank and transportation

MARYLAND CORRECTIONAL INSTITUTION - 18601 Roxbury Road, Hagerstown, MD 21740. (S-00-21-4682-T) Sewage sludge transportation permit

RAYLOC DIVISION OF THE GENUINE PARTS CO. - 100 Rayloc Drive, Hancock, MD 21750. (21-00131) Air quality permit to operate

WASHINGTON COUNTY WATER AND SEWER DEPARTMENT - 16232 Elliott Parkway, Williamsport, MD 21795. (00-22-1023) Sewerage permit to relocate the Sharpsburg Pike force main along MD Route 65 from I-70 south for 1 mile

Wicomico

PITTSVILLE WWTP - 34751 Poplar Neck Road, Pittsville, MD 21850. (99DP2085) Surface municipal discharge permit

VPI MIRREX CORPORATION - 601 Marvel Road, Salisbury, MD 21801. (21-6-0082 M) Air permit to construct for three natural gas dryers

WILLARDS WWTP - Poplar Neck Road, Willards, MD 21874. (99DP1058) Surface municipal discharge permit

Worcester

RANDALL M. AND ANDERSON S. HASTINGS - Berlin, MD (00-SP-0568) Permit issued for surface mining located on Goody Hill Road

TAYLOR CONSTRUCTION - P. O. Box 4986, Woodbridge, VA 22194. (00-25-1034) Sewerage permit to construct the Riddle Farm Wastewater Treatment Plant, east of Route 589 on MD Routes 50 and 707

TOWN OF OCEAN CITY - P. O. Box 158, Ocean City, MD 21842. (00-14-1012) Water permit to construct an elevated water storage tank at the northwest of MD Route 90 and MD Route 528, 64th Street and Sea Bay Drive

Out of State

ATLANTIC INDUSTRIAL SERVICES INC. - 13331 Ramblewood Drive, Chester, VA 23836. (2000-OPV-8373) Oil operations permit for transportation

GUARDIAN ENVIRONMENTAL SERVICES, INC. - 1280 Porter Road, Bear, DE 19701. (2000-OPV-2368) Oil operations permit for transportation

J.F. WAYBRANT & SONS INC - 1894 York Road, Gettysburg, PA 17325. (2000-OPT-2424) Oil operations permit for transportation

KUHN BROS. OIL SERVICE, INC. - 6115 York Road, New Oxford, PA 17350. (2000-OPV-2452) Oil operations permit for transportation

SUPPORT TERMINAL SERVICES, INC. - DUMFRIES VA - 1301 Cherry Hill Road, Dumfries, VA 22026. (2000-ODS-3485) Surface water discharge for oil terminal



12th Annual Conference, Training and Exposition Making Recycling Your Business June 7 and 8, 2000

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To register or for more information contact
Maryland Recyclers Coalition
410/974-4472 or www.marylandrecyclers.org

The Maryland Recyclers Coalition represents a diverse constituency of public and private recyclers and interested citizens in Maryland who believe that recycling is a viable and integral part of solid waste management.



PHOTO BY DON MAULDIN

Parting shot...

Students of St. Ignatius-Loyola Academy in Baltimore pose for a group photo after participating in an Earth Day project at the Living Classrooms Foundation with Maryland Department of the Environment staff, including Captain Cleanup. To find out what they did turn to Page 6.

ENERGY Continued from Page 9

low the surface, as it often does, it heats underground bodies of water, sometimes to 700 degrees Fahrenheit. This hot water may also force its way to the earth's surface in the form of hot springs or geysers, but like magma, the water generally stays underground. There, it forms *geothermal reservoirs*.

Today, we can use geothermal energy without waiting for it to reach the surface by drilling wells into geothermal reservoirs. *Ground source heat pumps* are another method of using geothermal energy that can heat and cool buildings. Water mixed with an anti-freezing solution is pumped through pipes underneath the ground. The solution in the pipes is warmed by the heat from the earth and is re-circulated to the inside of the building.

In the winter, heat is taken from the ground and put into the building in this manner. In the summer, the opposite occurs, allowing heat to be taken from the building and returned to the ground.

Renewable energies have garnered special interest since many states, including Maryland, are restructuring the electric utility industry. In the past, government regulated monopolies have provided electricity for Maryland at rates set by the Public Service Commission. Restructuring the electric utility industry will promote competition among electricity providers and give Maryland consumers a choice in who provides their electricity. This presents an opportunity to increase the use of renewable energies. Increased use will help to reduce pollution in our environment and will reduce the use of limited natural resources that will one day run out.

TOUR

Continued from Page 2

U.S.. Hybrid vehicles are powered by 2 different methods, usually electric motors and a fossil-fuel engine.

The Tour de Sol is more than just a road race, it is a traveling fair that is both educational and entertaining for people of all ages. There will be 10 events held between New York and Washington, D.C. offering an unparalleled opportunity to demonstrate and market electric vehicles and other advanced technology vehicles to both businesses and the general public. People will have the opportunity to see solar and electric vehicles as well as other alternative fuel vehicles in motion, to look under the hood, and have a chance to talk to one of the many experts in attendance.

For more information please call (410) 631-3014, (413) 774-6051 or try the Tour del Sol website found at: www.nesea.org.

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Parks get new reservation system

Improving customer service for citizens who vacation in Maryland's 47 state parks and forests, the Maryland Department of Natural Resources (DNR) State Forest and Park Service (SFPS) today announces that Biospherics, Inc. of Beltsville, Md. will assume responsibilities for the state's toll-free park reservation system, effective May 1. To accomplish a successful roll-over from the existing reservation system, the SFPS will take the system off-line from Thurs., April 27 at 5 p.m. EST until Monday morning, May 1. The new system will be available beginning at 8 a.m. on Mon., May 1, by calling the same toll-free number, 1-888-432-CAMP (2267).

Biospherics will handle reservations for campsites, cabins and shelters for rental May 1 through Sept. 30. Calls for reservations during this season can be made throughout the year.

For both off-season cabins and shelter

reservations only, customers should call the desired park directly. All off-season camping (October 1 - April 30) is first-come, first-served at the park. For more information regarding off-season camping, please call the state park directly.

Biospherics has an established call center in Cumberland to handle the estimated 50,000 reservations that occur throughout the summer. Existing reservations made through the previous vender, Integrated Communications System (ICS) will remain valid.

For new callers to the system operated by Biospherics, there will be changes in the service charges.

To receive a free brochure with rates, services available, site locations, pet accommodations or other camping and rental information, please call toll-free the SFPS during business hours at 1-800-830-3974.

Public hearings & meetings

Waste Management Administration

May 2, 2000—6 p.m. George Howard Building, Bancker Room, 3430 Courthouse Drive, Ellicott City, MD

Annual Lead Paint Abatement Inspectors' Forum
Lee Haskins, (410) 631-3825

May 3, 2000—7 p.m. Joppatowne High School Auditorium, 555 Joppa Farm Road, Joppa, MD

Public hearing to receive comments on tentative determination to reissue a groundwater discharge permit for the Oak Avenue Rubble Landfill
Gail Castleman, (410) 631-3441

May 11, 2000—9 a.m. Maryland Department of the Environment, Chesapeake Conference Room, 2500 Broening Highway, Baltimore, MD Meeting of the Controlled Hazardous Substances Advisory Council

Emmanuel Ofoche, (410) 631-3441

Water Management Administration

May 3, 2000—8:30 a.m. Maryland Department of Transportation, 2nd Floor Conference Room, 10 Elm Road, Linthicum, MD

Public meeting of the State Board of Environmental Sanitarians
Patricia Kratochvil, (410) 631-3167

May 3, 2000—6 p.m. Chesapeake High School, 4798 Mountain Road, Pasadena, MD

Public meeting hosted by Anne Arundel County Legislative Delegation in cooperation with Anne Arundel County Depart-

ment of Planning and Code Enforcement, Maryland Department of the Environment and the Department of Natural Resources to discuss unique non-tidal wetlands of the Mountain Road Peninsula

Gary Setzer, (410) 631-8091

May 4, 2000—6 p.m. Worcester County Library, 307 N. Washington Street, Snow Hill, MD

Public informational meeting regarding State Discharge Permit Application #00-DP-0717 for Town of Snow Hill to renew their discharge permit
Stephen Luckman, (410) 631-3671

May 8, 2000—7 p.m. Department of Emergency Services, Suite 6, 129 E. Main Street, Elkton, MD

Public informational meeting regarding State Discharge Permit Application #00-DP-0671 for the Mayor and Commissioners of the Town of Elkton to renew their discharge permit

Stephen Luckman, (410) 631-3671

May 18, 2000—10 a.m. Frederick City Department of Public Works, Frederick, MD

Public Meeting of Waterworks and Waste System Operators
Patricia Kratochvil, (410) 631-3167

May 24, 2000—9 a.m. Maryland Department of the Environment, TARSA's Conference Room, 2500 Broening Highway, Baltimore Public meeting of the State Board of Well Drillers

Patricia Kratochvil, (410) 631-3167

****Persons needing special accommodation are encouraged to contact MDE's Fair Practices Offices at (410) 631-3964 five days prior to the event.**