

MDE Environment

Maryland Department of the Environment

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State, city unveil new lead awareness campaign

In just a few days Maryland will begin its 13th Annual Lead Poisoning Prevention Week. [Look for details on Pages 6 and 7.] But as a precursor to that, on May 12 Gov. Parris N. Glendening and Baltimore City Mayor Martin O'Malley unveiled a new education and awareness campaign aimed at lead poisoning prevention. The "Runs Better Unleaded" campaign literally got rolling on the streets of Baltimore that day with placards in neighborhoods targeted for lead paint abatement activity.

The "Runs Better Unleaded" and "Protect Your Child from Lead" poster campaigns stress the importance of lead poisoning prevention and the need to make parents aware of the potential child health problems caused by ingestion of lead paint chips and dust.

"Lead paint poisoning is preventable," Governor Glendening said, "and the most effective weapon in our war is increased education and awareness. Working together, the city and state are sponsoring a joint poster campaign to raise parents' awareness of this issue throughout Baltimore. These posters on our busses and trains will send a powerful message to our 370,000 daily transit passengers: 'You can - and must - prevent the devastating effects of lead poisoning.'"

With help from the Maryland Transit Administration (MTA), 570 MTA busses



PHOTO BY DICK TOMLINSON-GOV.'S PRESS OFFICE

Above Gov. Parris N. Glendening, third from right, Baltimore City Mayor Martin O'Malley and EPA Regional Administrator Brad Campbell, right, applaud one of the new "Protect Your Child from Lead Poisoning" bus placards, part of new awareness campaign.

traveling routes in and around the city will display the campaign's signage in their interiors, while 75 more will sport the new placards on the exterior rear panel of the vehicle. Thirty light rail cars will also display the educational signs in their interiors.

The colorful, bright posters center on the key elements of the health hazard: a toddler and damaged lead paint. The signs also include the Coalition to End Childhood Lead Poisoning's toll free telephone number, (800) 370-LEAD, and its website: www.leadsafe.org

In addition, the lead prevention message will be spread on billboards in the city as well as in Baltimore movie theaters as part of previews before feature presentations. The "Runs Better Unleaded" campaign will also show up in doctor's offices and grocery store displays.

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Spill teams begin long term cleanup

The Unified Command for the Swanson Creek Marsh Oil Spill announces that the initial emergency cleanup of the spill near Potomac Electric Power Company's (PEPCO) Chalk Point Generating Station in Southern Maryland is complete and efforts are now focused on long-term restoration. The Patuxent River is open to recreation, boating, fishing, crabbing and shell fishing activities. Several hundred workers are continuing to clean up and restore oil-damaged properties and other affected areas along the Patuxent River.

The Environmental Protection Agency's (EPA) On-Scene Coordinator Colby Stanton, who has been in charge of directing phase one cleanup, said, "This effort is similar to putting out a house fire. The fire is out now, but work to repair the structure continues. The restoration efforts, which are more like rebuilding the damaged property after a fire, will last even longer."

The EPA will continue to be in charge during phase two cleanup of the project. The new On-Scene Coordinator, Debbie Carlson, is expected to remain on-site on a full time basis for at least six more weeks according to EPA officials.

In signaling the end of the emergency, the Unified Command, which includes the U.S. EPA, the Maryland Department of the Environment and PEPCO, ensures that all normal permitting processes and legal protections of the environment are applied to

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<http://www.mde.state.md.us>



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Fluoridation of public water is beneficial

By Terry Ugiansky

Several of Maryland's municipalities have contemplated the use of fluoride in their drinking water recently. After much debate, Frostburg's City Council decided not to fluoridate the city's water supply. On the other hand, Cumberland's citizens have recently voted with an overwhelming margin of 61 percent to 39 percent in favor of repealing the section of the city's charter that prohibits the use of fluoride in their water supply. The balloting clears the way for the city to begin fluoridation of its water supply.

Although misconceptions exist, fluoridation provides substantial health benefits and has been in use in Maryland's largest drinking water systems for years.

Water fluoridation has received the endorsement of virtually every reputable health organization in the United States and in many countries. The Surgeon General of the United States, the American Medical Association, the American Dental Association, the American Academy of Allergy, Asthma, and Immunology, the American Public Health Association, the U.S. Public Health Service, the American Water Works Association, and World Health Organization all support water fluoridation.

The U.S. Centers for Disease Control and Prevention (CDC) recently listed fluoridation of drinking water as one of the ten greatest health achievements of the last century. Over the past 50 years, fluoride has caused a drastic reduction in dental decay. A study conducted by the University of Maryland in 1995 found a 50 percent higher tooth decay rate in non-fluoridated areas in comparison with fluoridated areas. It also found that nearly 65 percent of Western Maryland children have had tooth decay, representing the highest tooth decay rate in the state. Adults, who receive the optimum level of fluoride, also receive dental benefits. Remineralization of enamel, caused by frequent exposure to small amounts of fluoride, can halt or even reverse tooth decay. In addition, fluoride can prevent root decay, which is present in more than 55 percent of older people. Finally, fluoride prevents oral disease, which has been associated with a number of health problems including cardiovascular disease and diabetes.

Nationwide, approximately 70 percent of large drinking water systems provide fluoridation. This year's CDC goal is to have 75 percent of the U.S. population served by community water systems, provided with optimally-fluorinated water. Maryland exceeds that goal.

Community water fluoridation is considered a safe and effective public health measure. The National Cancer Institute has stated, "optimal fluoridation of the drinking water does not pose a detectable risk to humans as evidenced by extensive human epidemiological data." In Maryland,

treatment must be designed by licensed professional engineers and reviewed and permitted by the Maryland Department of the Environment (MDE). Operators are required to be licensed which requires experience and training. In addition, the concentration of adjusted and natural fluoride in Maryland's public water supplies is continually monitored and analyzed by MDE.

State regulations require that chemicals used in the water treatment process be certified by an independent agency as meeting standards established by the National Sanitation Foundation (NSF). It is a part of MDE's drinking water inspection program to ensure that water utilities use only NSF-certified fluoride compounds. A major part of the NSF standards certification program is to ensure that water treatment chemicals do not result in the introduction of contaminants at levels of public health concern. In addition to the regulations and inspections identified above, MDE's on-going chemical monitoring of water supplies further ensures that quality standards are met.

The constitutionality of water fluoridation has been challenged and upheld. According to the American Dental Association, "the U.S. Supreme Court has denied

review of fluoridation cases 13 times, citing that no substantial federal or constitutional questions were involved."

Because approximately 50 percent of tooth decay in children from low-income families is not treated, it is especially critical that tooth decay be prevented in low-income communities. The lifetime cost of receiving fluoridated water from a community water system is typically less than the cost of one dental filling.

MDE and Maryland's Department of Health and Mental Hygiene (DHMH) support water fluoridation as a cost-effective means of improving the oral health of children and adults over a lifetime. As a promoter of fluoridation, DHMH's Office of Oral Health offers limited funding to offset some of the costs associated with initiating fluoridation at public drinking water systems.

For further information, call MDE's Water Supply Program (410) 631-3702 or try the American Dental Association website at: www.ada.org, which has an exhaustive amount of information on fluoridation including answers to commonly asked questions and references. CDC's website, www.cdc.gov, is another good source of information.

Region's water conditions continue to improve in April

Substantially above-normal precipitation in April resulted in generally high ground-water levels and full reservoirs in the Maryland-Delaware-D.C. region, according to hydrologists at the U.S. Geological Survey (USGS) in Baltimore, Maryland. Ground-water levels at the end of April increased throughout most of the area and are in either the normal or above-normal range throughout the entire bi-state area. Monthly updates of ground-water conditions for 32 key observation wells located throughout Maryland and Delaware may be found at <http://md.water.usgs.gov/groundwater/>. Water storage in the Baltimore reservoir system increased by 20 billion gallons since the end of January to 80.7 billion gallons near the end of April, which is 100 percent of average and 12 percent above last year at this time.

The average streamflow into the Chesapeake Bay during April 2000 was 96.3 billion gallons per day, which is 3 percent above the long-term average for April. In western Maryland and on the upper Potomac River, streamflow decreased but

continued to remain in the normal range for the month of April. Streamflows on the Eastern Shore in April were generally lower than those measured in March, but were, nevertheless, above normal for this time of year. Throughout the rest of the bi-state area, increased streamflow in local streams resulted in flows in the normal to above-normal range for April. Streamflow at the Potomac River near Washington, D.C., for April averaged 10.7 billion gallons per day, which is about 103 percent of normal for April.

As the nation's largest water, earth and biological science, and civilian mapping agency, the USGS works in cooperation with more than 2,000 organizations across the country to provide reliable, impartial scientific information to resource managers, planners,

and other customers. This information is gathered in every state by USGS scientists to minimize the loss of life and property from natural disasters, contribute to the sound conservation and the economic and physical development of the nation's natural resources, and enhance the quality of life by monitoring water, biological, energy, and mineral resources.

'The average streamflow into the Chesapeake Bay during April 2000 was 96.3 billion gallons per day, which is 3 percent above the long-term average...'



MDE Secretary Jane T. Nishida, left, and Maryland Petroleum Council Executive Director Drew Cobbs, right, congratulate members of the Herring Run Watershed Association, who accepted the Tawes Award on behalf of the group's founder Lynn Kramer.



PHOTOS BY RICHARD MCINTIRE

MDE Secretary Jane T. Nishida, left, and Maryland Petroleum Council Executive Director Drew Cobbs, right, congratulate Vienna Elementary School representatives Debbie Humphreys, second from right, and Phyllis Murphy.

Vienna Elementary, watershed activist earn 24th Tawes Awards

An Eastern Shore elementary school and the founder of a Baltimore watershed association took top honors in the 24th annual Tawes Awards for a Clean Environment, presented May 17 in the Blue Heron Center at Quiet Waters Park in Annapolis.

Vienna Elementary School and Lynn Kramer, founder of Baltimore City's Herring Run Watershed Association, won in the youth and adult categories respectively.

The Tawes Award, a unique environmental recognition program, is sponsored by the Maryland Department of the Environment (MDE) and the Maryland Petroleum Council (MPC) in the name of late Maryland governor J. Millard Tawes, who was also the state's first secretary of the Department of Natural Resources. The award is open to any individual, civic, community, or non-profit entity that has demonstrated outstanding efforts to enhance Maryland's environment over a period of time or with a single project.

"While reviewing the entries for this year's Tawes Award, I was struck by the continuing interest and work of so many

people who are so committed to making sure that Maryland's land, water and air are healthy. Your stewardship and contributions are valued," MDE Secretary Jane T. Nishida told the awardees.

Through its 13-year old "Just Say No" to Drugs Club, Vienna Elementary School teaches students environmental education, stewardship of the land and Chesapeake Bay enhancement projects as alternatives to drug use. For example, students created a six-acre schoolyard ecology study area. The club also maintains a large composting area, has built bird nesting boxes and been recognized for their tree planting efforts. On hand to accept the award were teachers Debbie Humphreys and Phyllis Murphy.

The Runner-up in the youth category was the Harbour School in Annapolis, a designated Governor's "Green School" awardee. Students of the non-public special education facility help clean Sandy Point State Park and Lake Claire in Anne Arundel County, monitor the school's electric use, conservation of water and recycling.

cling.

Lynn Kramer, a resident of the Lauraville neighborhood of the city, has been a leading force in cleaning Baltimore's most scenic bodies of water. Since 1992, she has championed land stewardship, stream cleanings, tree plantings and raising environmental awareness of school children as well as adults. She has been described as a "spark plug" for others to emulate in the drive to protect and restore our natural resources.

"This by far is the highest honor," Kramer said. "It makes me feel so great. Not only am I cleaning the environment, this has developed into an area where a community of people are living together in harmony with the environment and each other, working for the greater good. People are now thinking holistically about the stream and their connection to it, where before the association came along they may not have. I am proud to have helped that develop."

The Runner-up in the adult category was the conservation department of the Charles

County Women's Club, who opened their "Re-Use Barn" in 1997. The club's "Re-Use Barn," located along Renner Road in Waldorf, is a drop-off point for all sorts of re-useable goods. The club then sells the re-useable items, like bikes, glassware, and furniture, which helps reduce the county's waste stream and saves space in the local landfill. Funds generated from the sale of the items are returned to the community via club service projects and scholarships.

Tawes Award nominees were named for their community clean up, school ecology or beautification projects, recycling, pollution prevention, waste reduction, hazardous materials control or other innovative environmental ideas or work.

A panel of judges chooses Tawes Award winners and runners-up.

Last year's winners included the Builders' Club of North East Middle School and the Nanticoke Watershed Alliance.

For more information on the Tawes Award for a Clean Environment, please call (410) 269-1850 or MDE's Office of Communications at (410) 631-3012.

New car gives worker 'Insight'

By Bob Maddox

One Maryland Department of the Environment (MDE) employee has taken her work in the agency into her personal life by purchasing a model year 2000 Honda Insight.

Mary Jane Rutkowski works in MDE's Inspection and Maintenance Division of the Mobile Sources Control Program. The program, which is part of the Air and Radiation Management Administration, promotes clean air quality through its work with alternative and clean fuels, alternative-fuel vehicles, and vehicle inspection and maintenance programs.

The Honda Insight Rutkowski purchased is a gasoline-electric hybrid car known in the automotive and environmental arenas as a ULEV, or ultra-low emissions vehicle. Honda advertises the Insight as getting 61 miles per gallon (mpg) in city driving and 70 mpg on highways. With the recent rises in the price of gasoline, the Insight's mileage efficiency alone would seem like incentive enough to consider buying a ULEV. Mary Jane, however, considered other important factors when she chose the Insight.

"The cost of fuel is one thing I considered when I chose the Insight," Rutkowski explained, "but I love new technology. It takes us closer to a pure electric engine and



PHOTO BY BOB MADDOX

Mary Jane Rutkowski waves from her new Insight, a gas-electric hybrid vehicle.

closer to technology that doesn't pollute our air."

So what makes the Insight so unique? The Insight is a gasoline-electric hybrid that

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Above, Chesapeake Wildlife Sanctuary volunteers, the media, PEPCO and MDE staff release rehabilitated waterfowl back into the Patuxent River.



Cleanup crews above wait to load more bags of absorbent material soaked with oil onto trucks for proper disposal. MDE PHOTOS

OIL Continued from Page 1

further actions in response to the spill. The long-term cleanup effort will be carefully monitored by state and federal agencies to ensure that response activities do not cause greater damage than the oil itself. Environmental assessment teams will determine what methods are most appropriate for each area. In some environmentally sensitive areas, manual recovery methods, such as excavation, may be more damaging to the environment than allowing nature to remove the oil through natural processes such as evaporation and bioremediation. Cleanup crews will work to aid these natural processes.

Alan Williams, Program Manager of Field Operations for the Maryland Department of the Environment said, "We are pleased with the extensive, collaborative effort to return the waters of the Patuxent River to their natural state of beauty, however we still have a lot more to do."

"We are extremely pleased that the cleanup has reached this point and that the river is on its way to recovery," said Billy Moore, PEPCO's Manager of Natural Resources Management. "While tremendous progress has been made, we want to assure our neighbors in Southern Maryland that PEPCO will continue to commit people and resources to the long-term cleanup of areas affected by this spill."

In another sign of progress, the Chesapeake Wildlife Sanctuary recently released 32 waterfowl back into the environment. The waterfowl were oiled after the spill and have since been rehabilitated.

"The Patuxent River area has been sufficiently cleaned to safely release animals, and the birds who were released are doing well. They appear very happy to be back home," said Dianne Pearce of the Chesapeake Wildlife Sanctuary.

To date, more than 45,000 gallons of oil and more than 3 million pounds of solid waste and other oil-soaked materials have been collected.

On April 7, an oil leak occurred in an underground pipeline near PEPCO's Chalk Point Generating Station. That night, PEPCO placed booms in the water that contained the oil in Swanson Creek, where the leak occurred. On the night of April 8, a storm with winds up to 50 miles per hour blew oil over the containment booms into the river. The cause of the leak remains under investigation by the National Transportation Safety Board.

Advisories

The Maryland Department of the Environment (MDE), in cooperation with the Maryland Department of Health and Mental Hygiene, the Maryland Department of Natural Resources and local health departments received the results of laboratory analyses of fish, crab and shellfish samples taken from the Patuxent River following the spill. Samples from the affected area and surrounding waters were analyzed for substances that might indicate exposure to petroleum. Test results were similar to fish from other areas of the Chesapeake Bay that have not been affected by the oil spill. The agencies are confident that fish, crabs and shellfish harvested from the Patuxent River are safe to eat. It should be noted that common sense and individual judgment should always be exercised in determining whether, crabs, fish or any other food source is safe to eat.

The Patuxent River is open to normal recreational, fishing, crabbing and shell fishing vessel traffic. While some small areas remain boomed, Swanson Creek is the only creek that remains entirely boomed off. A Marine Information Broadcast (MIB) is in effect. The 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 the remaining 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. Recre-

ational users should contact the Maryland Natural Resources Police at (301) 888-1601.

Agency provides records to public via information act

By Joane Mueller

Maryland's Public Information Act (PIA), enacted in 1970, grants the public a broad right of access to public records while protecting legitimate governmental interests and the privacy rights of individual citizens. The PIA covers public agencies and officials in Maryland and includes all branches of state government (legislative, judicial, and executive). The PIA is similar in purpose to the federal Freedom of Information Act (FOIA).

Maryland's Department of the Environment (MDE) receives thousands of requests each year from citizens, special interest groups, environmental consultants, engineers, attorneys and students. Over the last several years, MDE has witnessed a rapid and dramatic increase in the number of PIA requests. Between 1996 and 1997 MDE experienced a 59 percent increase in the number of requests. It is anticipated that MDE will handle approximately 4,600 PIA requests this year alone.

Recognizing the growth of the PIA function and reinforcing the department's commitment to providing as much information as possible to the public, MDE Secretary Jane T. Nishida established the PIA Workgroup, comprised of representatives from all key MDE administrations.

The primary goal of the workgroup was to improve customer service. The first step was to re-engineer a new process that would ensure consistency agency-wide. The group has worked diligently over the last two years reviewing the existing processes and documenting requirements for a multi-media tracking system. A new da-

tabase tracking system was built to specifications of the workgroup.

A few of the advantages of the new database include linking all administrations, tracking time requirements, integration with the Environmental Permits Service Center database, and uniformity of process. The new database more than cut in half the time necessary to register each request, allowing more time to be spent on accurate file searches and timely responses. Another element of the database was the addition of the PIA homepage on MDE's website (www.mde.state.md.us), which allows MDE to accept PIA requests electronically. The electronic requests are integrated with the database automatically.

The workgroup also identified areas for regulation changes, solicited and received input from its stakeholders, updated the regulations and held a public hearing. The regulations were ultimately adopted and became effective on October 4, 1999. The highlights include a uniform fee schedule for search time, the increase to a 30 cents per page photocopy charge (the first increase since 1992), and the conditions by which this agency may aggregate similar requests.

The final, and perhaps most important, objective of the workgroup was to provide training to all MDE employees. To date, approximately 700 of the approximately 1,000 employees have successfully completed the mandatory two-hour training session. The presentation provides employees with an overview of the group's

See PIA, Page 11

Lead poisoning: still a threat

(NAPSI)-There's a good chance that at least one child in every classroom is lead poisoned.

Imagine it's your child.

Nationwide, about one out of 11 children has dangerous levels of lead in the bloodstream, according to the Centers for Disease Control and Prevention. And while some think that lead poisoning is exclusively an inner-city problem, it is a hazard that cannot be ignored by anyone. The Department of Housing and Urban Development's (HUD) Campaign for a Lead-Safe America will be increasing awareness nationwide about some of the health risks associated with lead poisoning.

Lead dust can form when lead-based paint is dry scraped, dry sanded or heated. Lead chips and dust can get on surfaces and objects that people touch, while settled lead dust can reenter the air when people vacuum, sweep or walk through it. Although participating federal agencies state that lead-based paint in good condition is usually not a hazard, peeling, chipping, chalking or cracking lead-based paint needs immediate attention.

It's also important to pay close attention to surfaces with lead-based paint that children can chew or that get a lot of wear and tear. Windows and windowsills; doors and door frames; stairs, railings and banisters; and porches and fences could be potential breeding grounds for lead poisoning, according to lead experts.

Lead can also be found outside the home. Lead in soil can be a hazard when children play in soil or when people bring soil into the house on their shoes.

Lead poisoning can be a serious problem. Federal groups working in lead hazard awareness say that, if not detected early, lead can cause damage to the brain and nervous system, behavior and learning problems, slowed growth, hearing problems and headaches. Once parents are aware of the hazards, they can take steps to protect their children.

The first step is to clean up paint chips immediately to deter small children from putting them into their mouths. Then, clean window frames, windowsills, floors and other surfaces weekly to avoid build-up. After cleaning dirty or dusty areas, thoroughly rinse sponges and mop heads.

Small children are more prone to lead poisoning because they often put their hands and other objects in their mouths. To help avoid the toxin, wash children's hands often, especially before they eat and before nap time and bed time. Play areas should be clean; wash bottles, pacifiers, toys and stuffed animals regularly. Also, keep children away from windowsills or other painted surfaces.



Enforcement & Compliance Notes

Air and Radiation Management Administration

April 18 - May 16

BGE Wagner Station - Anne Arundel County

MDE has received payment of a \$55,000 penalty to settle MDE's enforcement action with BGE for visible emission violations at BGE's Wagner electric generating station. Under the terms of a previously reported Consent Order signed between BGE and the Department, BGE is proceeding to implement measures to achieve compliance with the visible emissions requirements by Oct 1, 2000.

Status: Case Closed. (Reference # ARMA-CO-00-03-09)

PEPCO Dickerson Station -Montgomery County

On April 24, MDE signed a Consent Order with PEPCO to resolve visible emission violations at PEPCO's Dickerson electric generating facility. The agreement requires PEPCO to pay a \$200,000 civil penalty in settlement of past visible emission violations. The Order further requires PEPCO to phase in controls on each of the facility's three generating units over the next three years in order to achieve full and continuous compliance with visible emission requirements by July 1, 2003

Status: Case Closed. (Reference # ARMA-CO-00-04-21)

Baltimore Aggregate Recycling - Baltimore City

On May 3, MDE signed a Consent Order with this Company to resolve permitting violations. Specifically the Company installed and operated aggregate crushing and screening equipment without first obtaining the required air quality permits. The Company has applied for and obtained the permits. The Order requires Baltimore Aggregate to pay the Department a \$10,000 penalty to settle the case.

Status: Case Closed. (Reference # MDE-ARMA-0112-00000001)

Phoenix Color Corporation - Washington County

On May 10, MDE issued a Corrective Order to Phoenix Color Corporation for installing and operating two printing presses without first obtaining

the required air quality permit to construct. The violation was discovered during an MDE inspection. The Corrective Order requires the Company to submit a plan outlining the steps that will be taken by the Company to prevent further permitting violations because Phoenix has been previously penalized by MDE for installing equipment without permits.

Status: The Company has ten days to appeal the Order. (Reference # 00-03-01)

Waste Management Administration

April 15 - May 12, 2000

Lead Program Enforcement

A total of \$13,090 in penalties were assessed against three property owners for failure to register their properties and \$207,800 for lead risk reduction violations involving three properties. A total of \$2,000 was assessed against a worker for accreditation violations. The Lead Program enforcement activities occurred in Baltimore City, Montgomery, Prince George's and Wicomico Counties.

Water Management Administration

April 13, 2000 - May 12, 2000

Allen Family Foods, Inc. - Talbot County

On April 27, MDE and Allen Family Foods, Inc. entered into a settlement agreement to resolve a previous suit against Allen for alleged violations of its discharge permit and Maryland's water pollution control laws at Allen's poultry processing facility located on 12041 Cordova Road in Cordova. Under the terms of the settlement agreement Allen has agreed to convey to the Maryland Agricultural Land Preservation Foundation a ten-acre conservation easement along the Marshhope Creek in Dorchester County. Allen has also agreed to pay \$25,000 to the Clean Water Fund in settlement of the alleged violations.

Status: Case Closed (Reference # 20-C-98-003515)

Kevin and Jodi Green - Wicomico County

On May 5, the MDE issued an administrative penalty to the Greens for sediment control and sediment pollution violations on land located at 6678 Cherry Walk Road in Hebron, Maryland. The Green's construction activities resulted in sediment being placed directly into waters of the State and in positions likely to pollute waters of the State. MDE is seeking an administrative penalty of \$8,000.

Status: Case Pending (Reference # AP-00-0194).

Maryland Department of Transportation - Baltimore City

On April 14, MDE and the Mass Transit Administration entered into a Consent Agreement to resolve effluent violations of the NPDES permit for the facility located at 1515 Washington Boulevard in Baltimore City. The consent agreement requires MTA to develop and implement a Stormwater Pollution Prevention Plan and implement additional improvements to ensure compliance with requirements of the facility's NPDES permit.

Status: Case Closed (Reference Number CO-00-0156)

Anne Arundel County Department of Public Works - Anne Arundel

On May 11, MDE and the Anne Arundel County DPW entered into a consent agreement to implement BNR improvements at the Cox Creek Water Reclamation Facility located at Wagner Station Road in Pasadena. The consent agreement establishes interim performance standards for the total suspended solids and biological oxygen demand effluent limitations specified in the NPDES permit. The consent agreement also includes stipulated penalties for failure to complete construction in accordance with an approved schedule and for violations of the interim performance standards.

Status: Case Closed (Reference Number CO-00-155)

Erosion and Sediment Control Civil Penalties - Statewide

For the period April 13 through May 12, the Department collected a total of \$2,810 in civil penalties from two construction projects for failing to implement or maintain sediment controls during construction.

Finally, clean or remove shoes before entering a home to avoid track-

ing in lead from soil, and make sure children eat nutritious, low-fat meals

high in iron and calcium. Children

See THREAT, Page 16

Be lead poisoning prevention literate

The 13th Annual Lead Poisoning Prevention Week theme, *Protect Your Child From Lead Poisoning*, emphasizes the importance of preventing childhood lead poisoning before it can cause long-term damage. The theme's picture represents the most common cause of childhood lead poisoning: a young toddler and chipping, peeling lead paint.

Children are healthier if they do not have lead exposure. Lead poisoning affects a child's developing neurological system. Among other noticeable symptoms, on a day-to-day basis, lead poisoning makes children tired or irritable, and reduces their attention span. In the long run, lead poisoning reduces a child's ability to learn, understand, and retain what they learn.

Prevention is the best treatment. MDE is actively participating in many new and on-going prevention efforts.

Governor's Lead Initiative

In January 2000, Governor Parris N. Glendening announced a new initiative to reduce childhood lead poisoning. The three-year initiative with \$15 Million in new funding builds on existing efforts, and adds resources to increase effectiveness in high risk areas such as Baltimore City. The main components are:

Strengthen enforcement (\$3.0M) by more than doubling the number of inspectors and attorneys for lead cases at both MDE and Baltimore City Health Department;

Expand prevention (\$1.5M) by expanding State Laboratory capacity, and expanding the availability of temporary relocation while lead risk reduction work is in progress;

Increase abatement efforts (\$10.5 M) by distributing grants for lead risk reduction for landlords or private owners in the highest risk areas.

Lead Poisoning Prevention Commission

As part of his Lead Initiative, Governor Glendening asked the Lead Poisoning Prevention Commission to make recommendations regarding specific problems. The Commission is now investigating issues such as how to enhance blood lead testing in high risk areas, and explore the possibility of tax incentives for lead risk reduction. The Commission will submit its report to the Governor by July 30, 2000.

New Legislation

Two new laws to improve lead poisoning prevention go into effect July 1, 2000.

Baltimore Kick-off Event Wednesday June 7, 2000

Franklin Square Park
W. Fayette and N. Carey Streets
Baltimore City

Presentations at 12 NOON

Hosted by
WBAL-TV 11's Lisa Robinson

**FREE Entertainment
Health Screenings
for lead, blood pressure, cholesterol,
diabetes, prostate, pregnancy**



MDE Maryland Department of the Environment

800-776-2706
www.mde.state.md.us

U.S. Environmental Protection Agency

HB 1221 "Lead Poisoning Tests" requires that all children in an "at risk area" as identified by the Department of Health and Mental Hygiene receive a blood lead test at age 1 and 2 years. Children in other areas may be screened with a questionnaire and receive blood testing as needed. Beginning September 2003, evidence of lead screening will be required for first entry into school, similar to immunization records.

HB 1052 "Notice of Inspection" requires rental property owners of affected property under "Reduction of Lead Risk in Housing," to provide a copy of the inspection certificate to the tenant at time of rental, along with the Maryland "Notice of Tenants' Rights."

Coordination With Local Agencies

Outreach--

Twenty-two local health departments, including Baltimore City, are in their second year of MDE-funded locally-based outreach programs. These outreach programs include activities such as integrating efforts with immunization or WIC programs, outreach to local property owners, and office visits to local health care providers to encourage an increase in blood lead testing.

Enforcement--

MDE and Baltimore City Health Department are coordinating on a new enforcement initiative. Enforcement for non-compliance under the City's code for abatement orders will be coordinated with MDE's enforcement for registration and risk reduction treatments. This will allow the agencies to reach more non-compliant properties. Both agencies are also coordinating with EPA, which will initiate an intensive enforcement of the federal notification requirements.

Enforcement of registration and property treatment requirements is proceeding statewide. Failure to register or perform treatments may result in financial penalties and loss of liability protection.

Go On-line For Registration and Inspection Status

More prospective tenants are now using the Lead Hotline to check on a specific rental unit's registration and inspection status. Tenants are learning that registered, inspected units are often available and offer safer housing options.

Resources/References

For general information about lead health effects, summaries of the

lead law, risk reduction standards and the tenant rights notice visit MDE's website at www.mde.state.md.us/health/lead/index.html or call the numbers listed below:

Registration & General Information (Hotline)

Lead Rental Property Registry (410) 631-4199 or 1(800) 776-2706 (only in MD)

Tenants' Rights Notice Lead Poisoning Prevention Unit (410) 631-3859 or 1(800) 776-2706 (only in MD)

Risk Reduction Treatments or Certified Inspectors and Contractors Environmental Lead Division (410) 631-3825 or 1(800) 633-6101 X3825 (only in MD)

Lead Poisoning Prevention/Health Effects

Lead Poisoning Prevention Unit (410) 631-3859 or 1 (800) 776-2706 (only in MD)

Lead Hazard Reduction Financial Assistance
Baltimore City: Lead Abatement Action Project (410) 396-7225
Statewide: MD Department of Housing & Community Development (410) 514-7565,
1 (800) 492-7127 or www.dhcd.state.md.us.

Things You Can Do

For your child--

Ask your doctor about blood lead testing.
Wash your child's hands and toys frequently.
Keep the child's play area clean, free of dust, and away from damaged paint. Consider lead paint when you rent or buy your next home.

For your home--

Check for lead paint before you do home renovation. Hire trained, accredited contractors.

For your rental property--

Stay in compliance with the Standard of Care under the "Reduction of Lead Risk in Housing" law:

- Register the property and renew annually
- Between tenants, meet the Risk Reduction standard as verified by an independent inspector
- Give the educational materials and copy of the inspection certificate to the new tenant
- Respond to a notice of defect or elevated blood lead

Properties which meet the standard of care are eligible to make Qualified Offers and have liability capped at \$17,000 if a child is poisoned in the unit.

**Visit MDE's
'LEADLINE' on the
Internet at--
www.mde.state.md.us**

Childhood Lead Poisoning Prevention Week

June 5 - 12, 2000 Calendar of Events

Baltimore Area

Monday, June 5, 2000

Baltimore City Health Department, Childhood Lead Poisoning Prevention Program, 1211 Wall Street, Baltimore, will provide an information booth from 10 am–3 pm at the Baltimore Zoo, Druid Hill Park. Also, at 3:30 pm, a presentation to parents at the Pimlico Library, 5001 Park Heights Avenue, “PRAISE” After School Program. Contact: Bobbi Schapiro (410) 396-8596.

Tuesday June 6, 2000

Baltimore City Health Department, Childhood Lead Poisoning Prevention Program, 1211 Wall Street, Baltimore, information booth from 11 am–2 pm at Port Discovery in the Inner Harbor area. Contact: Bobbi Schapiro (410) 396-8596.

Kennedy-Krieger Institute’s Lead Poisoning Prevention Program, 707 N. Broadway, Baltimore, will have room for 60 participants at a presentation at White Marsh Public Library, 8133 Sandpiper Circle, White Marsh, MD from 10:30 am–12:30 pm. RSVP to Jackie Stone (410) 502-8376.

Wednesday June 7, 2000

Childhood Lead Poisoning Prevention Kick-Off Event at Franklin Square Park, W. Fayette and N. Carey Streets in Baltimore City’s “Pigtown” from 10am–3pm. Hosted by the Maryland Department of the Environment and the Coalition to End Childhood Lead Poisoning.

Thursday June 8, 2000

Baltimore City Health Department, Childhood Lead Poisoning Prevention Program, 1211 Wall Street, Baltimore, parent training, “Train the Trainer” at Morgan State University’s Head Start Program from 9 am –2:30 pm. Contact: Bobbi Schapiro (410) 396-8596.

Friday June 9, 2000

Baltimore City Health Department, Childhood Lead Poisoning Prevention Program, 1211 Wall Street, Baltimore, display at Reisterstown Plaza from 11 am–3 pm. The Baltimore City Health Department, Lead Poisoning Prevention Program; is also co-sponsoring, along with The Coalition to End Childhood Lead Poisoning, an information table at the Oriole’s baseball game at Camden Yards beginning at 7:30 pm. Contact Bobbi Schapiro (410) 396-8596 or Terri Carlton (410) 534-6447.

The Coalition to End Childhood Lead Poisoning, and the Baltimore City Health Department, are tentatively planning an information display at the Mondawmin Mall Friday, June 9 in the afternoon. Contact: Carla Bauer (410) 534-6447.

The People’s Community Health Center,

3028 Greenmount Avenue, Baltimore, will hold a Lemonade Stand and Bake Sale featuring Lead Poisoning Prevention Information on their sidewalk from 9 am-1 pm. Contact: Rita Buchanon (410) 464-2421.

Saturday June 10, 2000

Baltimore City Health Department, Childhood Lead Poisoning Prevention Program, 1211 Wall Street, Baltimore, display at Lexington Market, 400 W. Lexington Street, from 11am–3 pm. Contact Bobbi Schapiro (410) 396-8596.

Parent Lead Poisoning Forum at Dr. Rayner Browne Elementary School at 100 N Montford, Baltimore from 9 am–

3 pm. Sponsored by the Coalition to End Childhood Lead Poisoning, Baltimore City Health Department’s “Healthy Start” program and “Safe and Sound,” a non-profit agency. Scheduled speakers tentatively include Lt. Governor Kathleen Kennedy Townsend and Congressman Elijah Cummings. Contact: Terri Carlton (410) 534-6447.

Supporting Agencies and Events

Children’s Medical Group, a private physicians group, 500 Green Street, Cumberland, will distribute flyers and posters in their area. Contact: Cherie Wilson (301) 724-7616.

Department of Health and Mental Hygiene, State of Maryland, Lead Poisoning Prevention Program, 201 W. Preston Street, Baltimore.

- display table 201 W. Preston Street lobby.
- display State Office Building, 301 W. Preston Street cafeteria.

The Environmental Protection Agency (EPA) Region III, Federal Government, 1650 Arch Street, Philadelphia, PA will provide flyers and pamphlets targeted at landlords and contractors and paint stores; to be distributed in Maryland. Contact: Gerallyn Valls at (215) 814-2084.

Kennedy-Krieger Institute

- Lead Poisoning Booth in the lobby of the Kennedy-Krieger Institute located at 707 North Broadway, Baltimore. Monday through Friday. Contact: Char Koller, RN, CRRN at (410) 502-8386.

Mt. Washington Pediatric Hospital

- Lead Poisoning Prevention Booth during Lead Poisoning Prevention Week in the lobby of the Mt. Washington Pediatric Hospital located at 1708 W. Rogers Avenue, Baltimore. Contact: Barbara Moore, CPNP at (410) 578-8600 x5172.

Local Health Departments

Allegany County Health Department

- McDonald’s restaurants will print Lead Poisoning Prevention information on their tray mats.
- Distribution of outreach materials to local ediatricians.
- Will be setting up weeklong billboard displays. Contact: Paulette Kelly (301) 777-5622.

Baltimore City Health Department: Childhood Lead Poisoning Prevention Program (Lead Month)

- Information booth June 1, St. Francis Xavier Head Start Health Fair, 1400 N Caroline Street from 10am–2pm.
- Information booth June 1, Emily Price Jones Head Start Health Fair, Edgecomb Circle, 2835 Virginia Avenue, Park Heights, 10 am-2 pm.
- Information booth June 3, Orchard Garden Apartments Health Fair, Pennsylvania Avenue and MLK Boulevard, noon–4 pm. Contact: Bobby Schapiro (410) 396-8596.

Calvert County Health Department

- Rotating Display of pasteboard and videos at various sites in the county including Calvert Memorial Hospital, the Calvert County Health Department and Calvert County Health

Department, Environmental Program Contact: Nancy Skipworth (410) 535-5400.

Caroline County Health Department

- Information display booth at Caroline County Health Department located at 403 S. 7th Street, Denton.
- Free Blood Lead Screening at the Caroline County Health Department 403 S. 7th Street, Denton, June 6 from 10 am–3 pm. Contact: Yvonne Bartoleomeo (410) 479-2860 x 131.

Carroll County Health Department

- Mailing to all families with children under age 6 who live in pre-1978 homes.
- Children’s Activities and Adult Display at the Pennsylvania Dutch Farmer’s Market, Westminster, MD June 3, 10 am– 3 pm. Contact: Dawn Eldridge at (410) 876-4984.

Dorchester County Health Department

- Free Walk-In Blood Lead Screening, Tuesday, June 6, 10 am–2 pm and Friday, June 9 from 10 am–2 pm at the Dorchester County Health Department located at 503-b Muir Street, Cambridge.
- Conference for Head Start and Daycare Centers at Fassett-Magee Community Health Center June 7.
- Conference for Providers and the nine local Eastern Shore Health Departments June 20, at the Holiday Inn Express, Route 50, Cambridge.
- Distribution of Lead Poisoning prevention information, posters, flyers by the Dorchester County Health Department Lead Outreach workers.
- Dorchester County Health Department’s Health Education Staff will disperse Public Service Announcements (PSA’s) and Press Releases to the local media.
- Bulletin Board Displays. Contact: Lois Young, RN (410) 228-3294.

Kent County Health Department

- Distribution of lead education materials and teaching lectures to the local daycare centers along with environmental testing information during the week of June 5–12. Contact: Nony Howell (410) 778-7042

Somerset County Health Department

- Co-hosting, along with the Worcester County Health Department, an information booth at the Pocomoke WalMart, June 9, from 9 am-4 pm. Contact Jenny Leaf (410) 957-2005.

Wicomico County Health Department

- Seminar sponsored by Wicomico County Health Department, “Building a Community Partnership for the Prevention of Childhood Lead Poisoning” at the Holiday Inn Express, Cambridge, Tuesday, June 20 9 am-3 pm Contact: Deborah Gootie of Behavioral Health Promotions (410) 901-9808 or Contact: Lois Young of Dorchester County Health Department (410) 228-3294.

Worcester County Health Department

- Co-hosting an information booth along with Somerset County Health Department at the Pocomoke WalMart.
- Hosting an information booth at the Berlin/Ocean City WalMart, pending approval, June 9 from 1 pm-4 pm. Contact: Jenny Leaf (410) 957-2005.

Ensuring safe drinking water

By John Mitchell

This article is the third in a series of articles focussing on the Maryland Department of the Environment's (MDE) environmental and public health protection goals that form MDE's Managing 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, MDE is charged with ensuring that all Marylanders have a safe and adequate supply of drinking water.

Key areas of emphasis for meeting this goal are:

1. Protecting sources of drinking water supply for both groundwater and surface sources;
2. Improving treatment at water utilities;
3. Maintaining compliance with safe drinking water standards;
4. Controlling potential contamination sources (e.g., waste discharges, petroleum storage facilities, landfills);
5. Managing the state's waters for the greatest beneficial use of all Marylanders; and,
6. Preventing disease outbreaks.

Where do we obtain our drinking water?

Drinking water is obtained from surface sources such as streams, rivers and reservoirs and groundwater aquifers through wells and springs. In Maryland most residents (about 2/3 of the state's population) obtain their water from surface supplies, while about 1/3 rely on groundwater. Eighty-four percent of Maryland's residents rely on public water systems for their residential needs, while the remaining citizens obtain water from individual wells. In addition, many places of employment, schools, day care facilities, restaurants, churches and campgrounds also rely on groundwater from wells for their water supply needs. Many of us take for granted a safe and abundant supply of drinking water; however, last year's drought and water restrictions brought home the lesson that our water supplies are not limitless and require good stewardship.

There are distinct geographic differences among Maryland's water sources. Areas away from Maryland's major population centers are more likely to rely on groundwater, particularly in Southern Maryland and on the Eastern Shore where groundwater aquifers are very productive. (See map.) In these regions of Maryland groundwater supplies are frequently protected by layers of clay called confining units. About 500,000 residents relying on groundwater from public systems receive their water from deep naturally protected confined aquifers. In the central and western areas of Maryland and the Columbia aquifer on the Eastern Shore, groundwater aquifers are not protected by confining layers, and are more susceptible to contamination from activities on the land surface.

What contaminants may be present in water supplies?

Contaminants can be classified into two major categories to enable a better understanding of the risk they present. Certain contaminants present acute health threats if present in our water supplies. That is, one exposure to such contaminants can create a significant health risk. Contaminants with acute health risks include pathogenic organisms and nitrates.

Other contaminants such as arsenic, lead, pesticides, radionuclides, organic solvents and petroleum compounds pose a health threat when consumed at elevated levels for long periods of time. The Safe Drinking Water Act requires states to regulate public water suppliers to ensure that these contaminants are not present in harmful amounts. Other contaminants, such as iron, manganese and excessive hardness can create nuisance conditions or make water unpalatable if not properly treated.

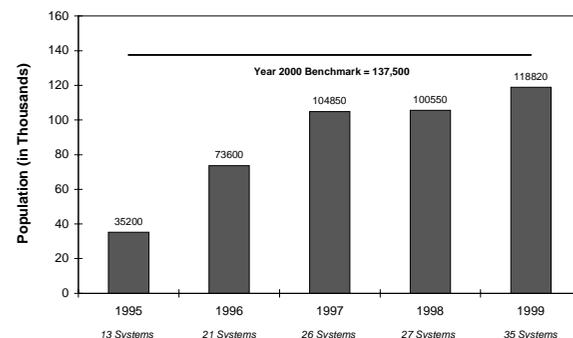
Related charts indicate compliance statistics for Maryland's public water systems for various contaminant groups.

Strategies

Key management strategies:

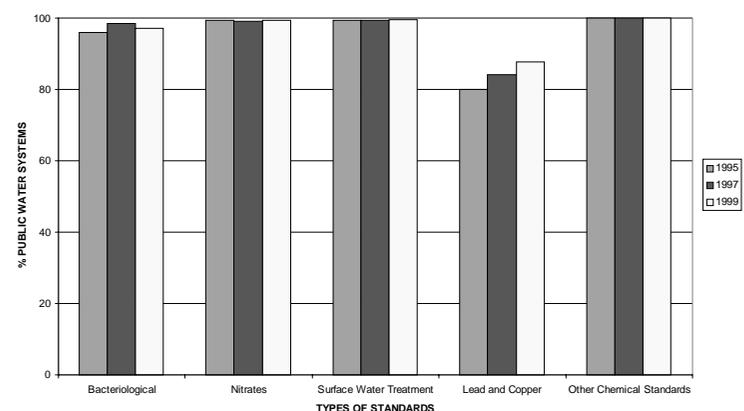
1. Identify the risks from contaminants at each public water source;
2. Implement Source Water Protection Programs in partnership with local governments;
3. Evaluate treatment performance at water plants using surface water;
4. Regularly inspect water treatment facilities;
5. Establish monitoring schedules and review data for all public water systems to ensure compliance with standards;
6. Control, inspect and regulate potential contaminate source to prevent release of contaminants to the environment; and,
7. Provide guidance to local environmental health departments who have the lead authority for oversight of private wells, 2,650 non-community water supplies

Percent of Marylanders Served by Community Water Systems with Active Wellhead Protection



Progress since 1995 in assisting local governments to develop locally based wellhead protection programs is shown in the bar graph above. The quality of water provided by public drinking water systems - which serve approximately 84 percent of Maryland residents - is very good.

PUBLIC WATER SYSTEMS IN COMPLIANCE (Community and Nontransient Systems)



Compliance rates are at 99 percent for all standards (see graph above) except for lead and copper, which is currently at 86.2 percent. New copper and lead regulations were begun in 1995, and treatment improvements are now in progress.

and on-site waste disposal.

Activities for implementing strategies

MDE focuses the state's oversight resources toward the areas of greatest health risk. For public water supplies, this means protecting the sources of water supplies, optimizing treatment plant performance, and ensuring that public water systems routinely monitor water quality. Source protection activities have targeted the most vulnerable groundwater systems, and the metropolitan reservoir systems serving the most number of people. Inter-jurisdictional agreements protecting the metropolitan reservoirs are being strengthened through the study of reservoir eutrophication processes and development of total maximum daily loads.

All water systems are inspected regularly, but surface water systems receive more frequent state inspections and also undergo Comprehensive Performance Evaluations to determine if the treatment facility is optimized for the removal of particles and parasitic organisms such as *Giardia lamblia* and *Cryptosporidium parvum*. Plant operation, maintenance and administration are evaluated to identify areas of potential improvement to optimize plant performance. Turbidity standards are now 70 percent lower than what was acceptable ten years ago.

Oil pollution resulting from unlawful spills, discharges, or leaking storage tanks can cause groundwater and surface water contamination, which, in turn, could impact public health through drinking water supplies. Through MDE's compliance and remediation activities, the use of substandard oil storage systems is reduced, oil storage systems are upgraded with pollution prevention devices, and cleanups of sites impacted by oil are expedited.

In recent years, methyl tertiary-butyl ether (MTBE), a fuel additive used as an octane enhancer since the early 1970s when lead was being phased out of gasoline, has been found in some public drinking water supplies in the United States (see article in the April and May MDEnvironment). MDE also strives to protect public health and the environment from the adverse impacts that solid waste can have on drinking water supplies by ensuring that permitted solid waste facilities are designed and operated in compliance with water pollution control requirements through permitting, inspection, and monitoring of these facilities.

Monitoring at Maryland's public water systems is based on the source of water, the type of system, and the number of people served by the system. Results are entered into a database for easy review, retrieval and analysis. Tighter standards and increasing requirements have resulted in a greater amount of resources being expended by state and

See WATER, Page 11



MDE PHOTOS

Teens get hands-on lessons in water quality, ecology issues

Terri Helwig and Bill Beatty, from the Compliance Monitoring Division of MDE, Sue Miller and George Radcliffe brought the Centreville Middle School Ecology Corp on an outing on the Chester River recently explaining water quality monitoring techniques and shellfish ecology. Different ecosystems and water quality issues were discussed during the trip from Chestertown to Kent Island. Topics included urban and non-point runoff, marinas, agriculture, salinity gradients, turbidity, wildlife, and air pollution. The ecology and relationship between an oyster bar and water quality was highlighted when hand-scrape samples were retrieved from Old Point Oyster Bar off the mouth of the Corsica River. A hand-held GPS unit was demonstrated for the class and the role GIS is playing regarding management decisions relating to water quality.

Public investment key to sustaining Earth's eroding soil

(NAPSI)-Every grain of soil lost is a threat to the long-term sustainability of life on earth. Since the Dust Bowl of the 1930s, Congress has treated the protection of soil resources as a shared responsibility of the public and private landowners. The Natural Resources Conservation Service, formerly the Soil Conservation Service, has been providing funding and technical assistance to protect soil on private land for more than 60 years.

Although the need to protect our soil increases with every new inhabitant of the planet, the public sector's share in conservation has not kept pace, according to the Soil and Water Conservation Society. Federal spending on soil conservation programs totaled \$2.1 billion in 1999, or

barely 40 percent of the inflation-adjusted value of conservation spending in 1937.

As the public share has declined, conservation progress has slowed. Government programs that fostered strong conservation practices by landowners have received less and less funding in recent years. As a result, there has been little improvement in the rate of soil erosion control or the overall health of the nation's soil.

Currently, only about 10 percent of the earth's land is being used for agricultural production. While agriculture represents the industry most closely tied to the soil, it also represents the industry whose practices pose a major threat to the long-term health of soil resources. Today, 30 percent of U.S. cropland - about 112 million acres

- is eroding at excessive rates. Soils in urban and suburban areas are also under increasing threat as development diverts

more water to soils, speeding the rate of erosion.

See SOIL, Page 16

LEAD Continued from Page 1

through locally-based health fairs and programs, many of which offer free lead screenings."

MDE Lead Poisoning Prevention Week activities for Baltimore will kick-off at Franklin Square Park on June 7, from 10 a.m. to 3 p.m.

Under Mayor O'Malley, Baltimore City's new Lead Poisoning Prevention Initiative promises to aggressively attack the environmental health issue through increased enforcement and better coordination between the city's health and housing agencies. The mayor is seeking legislation for universal lead testing of Baltimore City children at ages one and two, prosecution of the owners of the more than 1,100 properties that have outstand-

ing lead violations and the relocation of families impacted during ordered lead abatement measures. Demolition of vacant, unsalvageable lead infested properties with outstanding violations and the hiring of additional lead inspectors are also part of the initiative.

The "Runs Better Unleaded" campaign is the latest partnership between the State of Maryland, the City of Baltimore, the U.S. Environmental Protection Agency and the Coalition to End Childhood Lead Poisoning to get the lead out of homes and children. The campaign is part of the proposal announced earlier in the year to invest \$50 million over three years into aggressive lead poisoning prevention initiatives across the state.



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

Chesapeake College, Wye Mills, Maryland

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

The Maryland Recyclers Coalition (MRC) 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.

The 12th annual MRC conference will be held on June 7 from 8 a.m. to 4:15 p.m. and June 8 from 8:30 a.m. to 3 p.m. Full conference registration for members is \$150; \$235 for non-members. One-day registration is also available.

PHOTOS BY RICHARD MCINTIRE

Tour de Sol shines with students, cars

On May 17, 2000 Maryland hosted to the Tour de Sol at Sandy Pt. State Park near Aannapolis. 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. The innovative vehicles began their competition in New York City and finished 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. Students from around the state attended the event to learn about alternative fuels and how automobiles can pollute the environment through exhibits from MDE's Air and Radiation Management Administration.



This vehicle, the Venturer, is powered solely from hydrogen fuel cells and achieves zero emissions. It is sponsored by the state of New Jersey.

This motorcycle is powered by propane.

Clean energy sources may be healthier

(NAPSD)-The source of the energy we choose to bring into our homes may also make a difference in the amount of the pollution in the environment.

In some cases green energy-energy produced in a way that's better for the environment-costs a little more than electricity produced from fossil fuels.

However, many feel that investing a little extra in renewable energy may bring consumers more health and a healthier planet.

According to the experts at the U.S. Department of Energy's National Renewable Energy Laboratory, the potential benefits of green energy include:

Cleaner air: Each day, the cars we drive and fossil fueled power plants spew over 190 million tons of carbon, fine particulates and other pollutants into the air we breathe. Doctors have associated half a million cases of respiratory illness a year with air pollution.

The alternative-electricity generated from solar and wind power-produces no air pollution.

Climate: Energy use worldwide accounts for about 80 percent of human-made carbon dioxide. It's the amount of carbon

See **ENERGY**, Page 16

PIA

Continued from Page 4

successes, the law, file custodian/employee responsibilities, processing procedures, fees, the PIA website, and the database. Each employee is provided with The Public Information Employee Policy and Procedures Guidebook to use as a handy reference.

Recognizing the ever-increasing volume of requests and the opportunity to provide better service to the citizens, the PIA Workgroup continues to work exhaustively to improve the process by which documents are made available to the public. MDE reinforces its commitment that government operates for the welfare of the public, and welcomes comments and suggestions.

For more information contact:

Joane Mueller, MDE's PIA Coordinator, (410) 631-4120

Louise Connelly, Water Management Administration's PIA Liaison, (410) 631-3507

Laramie Daniel, Air & Radiation Management Administration's PIA Liaison, (410) 631-3220

Don Mauldin, Waste Management Administration's PIA Liaison, (410) 631-3314

Susan Douglas, Technical & Regulatory Services Administration's PIA Liaison, (410) 631-3572

Public hearings & meetings

Air & Radiation Management Administration

June 5, 2000—6:30 p.m. Pikesville Branch of the Baltimore County Library, 1301 Reisterstown Road, Pikesville

Information meeting regarding an air quality Permit to Construct application submitted by

Atlantic Pharmaceutical Services, Owings Mills, MD
Robert Maddox, (410) 631-3260

Water Management Administration

June 6, 2000—9:30 a.m. to 5:30 p.m. Aldo Leopold Auditorium, National Wildlife Visitor Center, U.S. Department of the Interior, Fish and Wildlife Service, 10901 Scarlet Tanager Loop, Laurel, MD

Course and Certification Examination for Construction of Sand Mound Sewage Disposal System

Janice Ebersole, (410) 631-3778

June 9, 2000—8:30 a.m. – 4:30 p.m. House Environmental Matters Committee Hearing Room, House Office Building, Annapolis, MD

Public meeting of the State Water Quality Advisory Council/Stream Protection & Restoration Conference. Theme: "Past, Current & Future Direction in Stream Protection/Restoration"

Chris Thomas, (410) 631-3543

June 19, 2000—10:30 a.m. Washington County Office Building, 2nd Floor, Room 227, 100 W. Washington Street, Hagerstown, MD

Public hearing on tentative determinations to renew general discharge permits for seafood processing facilities, mineral mines and related facilities,

and discharges from tanks and pipes. The hearing will also address proposed regulatory amendments that modify the fee structure for general discharge permits for seafood processors, and discharges from tanks and pipes, and increase the fees for general discharge permits for mineral mines and related facilities by about 12.5%

Beverly Archable, (410) 631-3540

June 21, 2000—11:00 a.m. Dorchester County Office Building, Room 110, Court Lane, Cambridge, MD

Public hearing on tentative determinations to renew general discharge permits for seafood processing facilities, mineral mines and related facilities, and discharges from tanks and pipes. The hearing will also address proposed regulatory amendments that modify the fee structure for general discharge permits for seafood processors, and discharges from tanks and pipes, and increase the fees for general discharge permits for mineral mines and related facilities by about 12.5%

Beverly Archable, (410) 631-3540

June 22, 2000—10:30 a.m. MDE, 2nd Floor, Chesapeake Room, 2500 Broening Highway, Baltimore, MD

Public hearing on tentative determinations to renew general discharge permits for seafood processing facilities, mineral mines and related facilities, and discharges from tanks and pipes. The hearing will also address proposed regulatory amendments that modify the fee structure for general discharge permits for seafood processors, and discharges from tanks and pipes, and increase the fees for general discharge permits for mineral mines and related facilities by about 12.5%

Beverly Archable, (410) 631-3540

June 23, 2000—10:30 a.m. Charles

County Government Building, Human Resources Conference Room, 200 Baltimore Street, LaPlata, MD

Public hearing on tentative determinations to renew general discharge permits for seafood processing facilities, mineral mines and related facilities, and discharges from tanks and pipes. The hearing will also address proposed regulatory amendments that modify the fee structure for general discharge permits for seafood processors, and discharges from tanks and pipes, and increase the fees for general discharge permits for mineral mines and related facilities by about 12.5%

Beverly Archable, (410) 631-3540

June 27, 2000—6:30 p.m. Hampstead Town Hall Meeting Room, 1034 South Carroll Street, Hampstead, MD

Public hearing for State Discharge Permit Application #99-DP-3312 for Masonry Contractors, Inc. to discharge exterior vehicle wash water from a homebuilding and land development company to groundwater, via overland flow

Ching-Tzone Tien, (410) 631-3662

Waste Management Administration

June 8, 2000—9:00 a.m. MDE, Chesapeake Conference Room, 2500 Broening Highway, Baltimore, MD

Meeting of the Controlled Hazardous Substances Advisory Council
Emmanuel Ofoche, (410) 631-3441

June 15, 2000—9:00 a.m. MDE, Chesapeake Conference Room, 2500 Broening Highway, Baltimore, MD

Meeting of the Lead Poisoning Prevention Commission
Tracy Smith, (410) 631-3847

WATER

Continued from Page 8

local governments to ensure the safety and adequacy of Maryland's water supply. It is clear that we can no longer take this essential resource for granted.

Challenges & conservation

Increased pressures on drinking water quality, especially from urban sprawl and aging infrastructures, present a challenge as we move into the 21st century.

Additionally, Maryland continues to monitor the resources of our state following the 1999 drought, and with the efforts of the governor's water task forces will establish plans and procedures for future drought occurrences. But certain measures can be under-

taken at any time. For instance:

- Practice and spread the message of water conservation. Use water wisely.
- Learn about where your water comes from and work with your local and state government to ensure its protection.
- Read and review your annual Consumer Confidence Report, which describes the results of tests performed at your water system.
- If using a private well, obtain advice from your local health department for recommended testing. Protect your well's integrity.
- Use care to prevent spillage when

handling gasoline and oil and promptly report and clean up any spills.

- Properly maintain your home heating oil tank to prevent leakage and spillage.
- Actively participate in your local recycling program, buy recycled products, and reuse materials wherever possible to reduce the need for landfilling solid waste you generate.

Questions about the information in this goal can be directed to John Grace at (410) 631-3714 or via email at jgrace@mde.state.md.us. Questions about MFR should be directed to John Mitchell at (410) 631-3772 or via email at jmitchell@mde.state.md.us.

For the Record

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

Allegany

HUNTER DOUGLAS NORTHEAST, INC., Frostburg Industrial Park, Frostburg, MD 21532. Voluntary Cleanup Program application for a 25.92-acre portion of the PPG property located at 11401 PPG Road, SE, Cumberland MD 21502

UNITED ENERGY COAL - SHAFT TIPPLE (SM-84-353) - Route 36, Shaft, MD 21532. Air quality permit to operate

UNITED ENERGY COAL, INC. - UPPER CONSOL - 300 Consol, Frostburg, MD 21532. (2000-01-00016) Air quality permit to operate

UNITED ENERGY COAL, INC. - VALE SUMMIT - One Mile Southeast of Midlothian, Route 36, 1 Mile South of Frostburg, Midlothian, MD 21542. (2000-00-00155) Air quality permit to operate

UPPER POTOMAC RIVER COMMISSION - 528 Maryland Avenue, Westernport, MD 21562. (00-1079) Sewerage permit to upgrade the preliminary treatment plant of the municipal system

Anne Arundel

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS - 2662 Riva Road, Annapolis, MD 21401. (00-1072) Water permit to construct an elevated water storage tank in the vicinity of I-295 and MD Route 100

EASTERN PETROLEUM CORPORATION - 33 Hudson Street, Annapolis, MD 21401. (2000-OPV-4106) Oil operations permit for transportation

MARYLAND MANOR MOBILE HOMES - 4600 Sands Road, Harwood, MD 20776. (00DP0811) Surface municipal discharge permit

Baltimore City

100 EAST PRATT STREET - 100 East Pratt Street, Baltimore, MD 21202. (00DP1303) Surface industrial discharge permit

BALTIMORE CITY DEPARTMENT OF PUBLIC WORKS - 900 Abel Wolman Building, Baltimore, MD 21202. (00-1070) Water permit to lay water mains along 33rd Street and Remington Avenue

BALTIMORE CITY DEPARTMENT OF PUBLIC WORKS - 900 Abel Wolman Building, Baltimore, MD 21202. (00-1071) Sewerage permit to construct sanitary pressure sewers along 33rd Street and Remington Avenue

BALTIMORE CITY EDISON ASSOCIATES, LLC. - 1030 Edison Highway, Baltimore, MD 21213. (2000-WPF-0565) Solid waste processing facility permit

BRUNING PAINT COMPANY - 601 South Haven Street, Baltimore, MD 21224. (TR 5974) An air permit to construct for four 5,000 gallon paint mixing and storage tanks

CENTRAL OIL ASPHALT CORP. - 3450 Asiatic Avenue, Baltimore, MD 21226. (00DP1202) Surface industrial discharge permit

CLEAN HARBORS OF BALTIMORE - 1910 Russell Street, Baltimore, MD 21230. (2000-OPT-3063) Oil operations permit for above ground storage tank and transportation

RED STAR YEAST/UNIVERSAL FOODS - 2100 Van Deman Street, Baltimore, MD 21224. (TR 5975) An air permit to construct for one pure culture fermenter

STERICYCLE INC. - 5901 Chemical Road, Baltimore, MD 21226. (2000-WIN-0564) Solid waste incinerator permit

TRINITY CEMETERY - 5500 O'Donnell Street, Baltimore, MD 21224. (2000-24-3259) Air quality permit to operate

Baltimore County

AMG RESOURCES CORPORATION - 2415 Grays Road, Baltimore, MD 21222. (2000-OPT-2025) Oil operations permit for above ground storage tank and transportation

ATLANTIC PHARMACEUTICAL SERVICES - 11200 Gundry Lane, Owings Mills, MD 21117. (TR5959) An air permit to construct for one Aeromatic fielder precision coater

AVESTA SHEFFIELD EAST, INC. - 7700 Rolling Mill Road, Baltimore, MD 21224. (2000-03-00126) Air quality permit to operate

BUTLER STONE QUARRY INC - Butler, MD (89-SP-0307-1) Renewal of a surface mine permit located on Falls Road

HOLLINS ORGANIC PRODUCTS, INC. - 6247 Falls Road, Baltimore, MD 21209. Natural Woodwaste permit

SEAGRAM AMERICAS - 5001 Washington Boulevard, Relay, MD 21227. (TR5952) An air permit to construct for one 450 gallon processing tank

SEAGRAM AMERICAS - 5001 Washington Boulevard, Relay, MD 21227. (TR5954) An air permit to construct for seven 45,000, two 100,000, and two 40,000 above ground storage tanks

THOMPSON STEEL COMPANY, INC. - 4515 North Point Boulevard, Sparrows Point, MD 21219. (2000-OPT-2695) Oil operations permit for above ground storage tank and transportation

Caroline

FEDERALSBURG WWTP - 125 Kerney Street, Federalsburg, MD 21632. (S-00-05-3942-T) Sewage sludge transportation permit

Carroll

BOWLING BROOK PREPARATORY SCHOOL - 999 Crouse Mill Road, Keymar, MD 21757. (00DP3172) Surface municipal discharge permit

CARROLL COUNTY DEPARTMENT OF PUBLIC WORKS - 225 North Center Street, Westminster, MD 21157. (00-1069) Water permit to construct a water treatment plant, 2 miles south of intersection of Route 32 and Route 26

CARROLL COUNTY DEPARTMENT OF PUB-

LIC WORKS - 225 North Center Street, Westminster, MD 21157. (00-1073) Sewerage permit to install plant effluent chillers at the Hampstead Wastewater Treatment Plant

HRW-LMT-LLC - 849 International Drive - Suite 100, Linthicum, MD 21090. (00-1079) Sewerage permit to construct a wastewater pumping station and a force main along MD Route 140 and MD Route 97 to serve Westminster Marketplace

INGERSOLL-DRESSER PUMP COMPANY - 5310 Taneytown Pike, Taneytown, MD 21787. (00DP2620) Surface industrial discharge permit

LEHIGH PORTLAND CEMENT CO. - Union Bridge, MD (77-SP-0059) Application received for renewal of a surface mining permit located State Route 75

TANEYTOWN WWTP - End of Whipporwill Road, Taneytown, MD 21787. (00DP0687) Surface municipal discharge permit

UNION BRIDGE WWTP - 115 West Locust Street, Union Bridge, MD 21791. (00DP0774) Surface municipal discharge permit

Charles

CERTIFIED AUTO BODY - 4810 Crain Highway, White Plains, MD 20695. (00DP3339) Groundwater industrial discharge permit

CHARLES COUNTY COMMISSIONERS - P. O. Box 2150, LaPlata, MD 20646. (00-1076) Sewerage permit to construct sanitary sewers, a wastewater pumping station and a force main from Route 227 along, Route 301 to St. Patrick's Drive, and Demarr Road

PEPCO - RYCEVILLE PIPELINE PUMPING STATION - Ryceville Road off of Route 5, Ryceville, MD 20659. (2000-OPT-3137) Oil operations permit for above ground storage tank and transportation

Dorchester

HENRY HANDLEY - DR-7 - 4115 Middletown Branch Road, Vienna, MD 21869. Sewage sludge application on agricultural land

STRAUB, ERIK K. - 306 Trenton Street, Cambridge, MD 21613. (00-1068) Sewerage permit to construct a force main along Tates Bank Road, north of intersection of Tates Bank Road and US Route 50

Frederick

BALLENGER CREEK WWTP - 7400 Marcie's Choice Lane, Frederick, MD 21704. Sewage sludge transportation permit

FORT DETRICK - AREA A - East of Beasley Drive, North of Davis Road, Frederick, MD 21701. (2000-WIN-0341) Solid waste incinerator permit

FREDERICK COUNTY DEPARTMENT OF PUBLIC WORKS - 118 N. Market Street, Frederick, MD 21701. (00-1077) Water permit to construct a rechlorination station at River Oaks Terrace and Tobery Road off Bartonsville Road

GREEN VALLEY SUB-STATION - 3939 Green Valley Road, Monrovia, MD 21770. (00DP3338) Groundwater industrial discharge permit

LYNCH, MARK - 10132 Hansonville Road, Frederick, MD 21702. (00-1082) Water permit to construct a water treatment plant at intersection of Route 15 N and Hansonville Road

NUTRICYCLE SYSTEMS DEMONSTRATION SITE - 3205 Poffenberger Road, Jefferson, MD 21755. (00DP3340) Groundwater municipal discharge permit

SHUFF'S MEAT MARKET - 12247 Baugher Road North, Thurmont, MD 21788. (00DP0680) Surface industrial discharge permit

STUP'S GARAGE & USED CARS, INC. - 8052 Ball Road, Frederick, MD 21704. (00DP2440) Groundwater industrial discharge permit

Garrett

BEAR CREEK TROUT HATCHERY - 956 Fish Hatchery Road, Route 2, Box 106-E, Accident, MD 21520. (00DP1471) Surface industrial discharge permit

LAWRENCE FRAZEE FARM - 356 Mount Sinai Road, Friendsville, MD 21531. Sewage sludge application on agricultural land

M & S STONE QUARRIES, INC. - Grantsville, MD (77-SP-0093-C) Application received for a renewal surface mining located on Westernport Road

PATRIOT MINING CO.-STEYER DEEP MINE - 116 White Church Steyer Road, Oakland, MD 21550. (TR5968) An air permit to construct for one triple deck vibratory screen

Harford

JOHN MAGNESS FARM - 5425 Long Corner Road, Norrisville, MD 21161. Sewage sludge application on agricultural land

U.S. ARMY GARRISON, ABERDEEN PROVING GROUND - Building 525, Aberdeen Proving Ground, MD 21005-5059. (TR5964) an air permit to construct for modification to fire test laboratory

Howard

EMANUEL TIRE COMPANY-LINWOOD - 8484 Linwood Drive, Ellicott City, MD 21043. (2000-RPC-02949) Primary Scrap Tire Collection

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 3450 Courthouse Drive, Ellicott City, MD 21043. (00-1081) Water permit to lay water mains to serve Scarlett Oaks Subdivision

IGENE BIOTECHNOLOGY, INC. - 9110 Red Branch Road, Columbia, MD 21045. (00DP2129) Groundwater industrial discharge permit

UNIVERSITY OF MARYLAND - CMREC - 4240 Folly Quarter Road, Clarksville, MD 21042. Sewage sludge research project

Kent

RED BIRD EGG FARM - 33265 Walnut Tree Road, Millington, MD 21651. (00DP3101) Groundwater industrial discharge permit

ROCK HALL WASTEWATER TREATMENT PLANT - North Main Street and Anderson Avenue, Rock Hall, MD 21661. (00DP0575) Surface municipal discharge permit

For the Record

Montgomery

IBM CORPORATION - 800 North Frederick Avenue, Gaithersburg, MD 20879. (2000-OPT-5343) Oil operations permit for above ground storage tank and transportation

MUDDY BRANCH WASTEWATER PUMPING STATION - 400 Muddy Branch Road, Gaithersburg, MD 20878. (S-00-15-3964-T) Sewage sludge transportation permit

NATIONAL INSTITUTE OF STANDARDS & TECH - CIFP: Building 301, Room B168, Gaithersburg, MD 20899. (TR5966) An air permit to construct for one emergency diesel generator

NATIONAL INSTITUTE OF HEALTH ANIMAL CENTER - Elmer School Road, Poolesville, MD 20837. (TR5962) An air permit to construct for four emergency generators

NATIONAL INSTITUTE OF HEALTH ANIMAL CENTER - Elmer School Road, Building 101A, Poolesville, MD 20837. (TR5961) An air permit to construct for four boilers > 10 MMBtu

Prince George's

B. FRANK JOY COMPANY, INC. - 5355 Kilmer Place, Bladensburg, MD 20710. (2000-OPT-2149) Oil operations permit for above ground storage tank and transportation

NASA - GODDARD SPACE FLIGHT CENTER - Greenbelt & Soil Conservation Roads, Code 205.2, Greenbelt, MD 20771. (00DP3156) Surface industrial discharge permit

ROCKHALL SAND & GRAVEL CORPORATION - 14750 Gibbons Church Road, Brandywine, MD 20613. (2000-OPT-8681) Oil operations permit for above ground storage tank and transportation

Queen Anne's

R B BAKER & SONS INC - Queenstown, MD (77-SP-0112-B) Renewal for a surface mine permit located on north on 18

Somerset

DOUGLAS L READING - Princess Anne, MD (94-SP-0465-1) Permit for a surface mine permit

St. Mary's

NAS PATUXENT RIVER - WEBSTER OUTLYING FIELD - Villa Road, St. Indigoes, MD 20684. (99-OPT-3369B) Oil operations permit for above ground storage tank and transportation

ST. ANDREWS SANITARY LANDFILL - 44825 St. Andrews Church Road, California, MD 20619. (TR5965) Received an air permit to construct for one landfill gas vent flare system

Washington

ELECTROMET CORPORATION - 879 Commonwealth Avenue, Hagerstown, MD 21740. (00DP2647) Groundwater industrial discharge permit

FIL-TEC, INC. - 12129 Mapleville Road, Cavetown, MD 21720. (TR5970) An air permit to construct for four bobbin winders

HAGERSTOWN WATER POLLUTION CONTROL PLANT - 1 Clean Water Circle, Hagerstown, MD 21740. Sewage sludge treatment permit

PANGBORN CORPORATION - 380 Pangborn Boulevard, Hagerstown, MD 21740. (TR5980) An air permit to construct for one dust collector

PHOENIX COLOR CORPORATION - 540 Western Maryland Parkway, Hagerstown, MD 21740. (TR5963) An air permit to construct for one printing press (replacement)

WASHINGTON COUNTY WATER AND SEWER DEPARTMENT - 16232 Elliott Parkway, Williamsport, MD 21795. (00-1080) Water permit to lay water mains along Chestnut Grove Road and Elk Ridge Drive

Wicomico

CITY OF FRUITLAND - 401 East Main Street - Drawer F, Fruitland, MD 21826. (00-1083) Sewerage permit to construct a wastewater pumping station and a force main, northeast of the intersection of MD Route 13 and Cedar Lane

DELMARVA POWER & LIGHT COMPANY (DP&L) - Route 13 & Naylor Mill Road, Salisbury, MD 218021739. (2000-OPT-5185) Oil operations permit for above ground storage tank and transportation

NEWLAND PARK LANDFILL - 6948 Brick Kiln Road, Salisbury, MD 21801. (TR5976) An air permit to construct for one landfill gas flare system

RYDER TRUCK RENTAL #0881B - 404b Irl Lane, Fruitland, MD 21826. (2000-OPT-5312) Oil operations permit for above ground storage tank and transportation

Worcester

HARRY C. WHITE - Pocomoke, MD (95-SP-0484) Permit for a surface mining permit located at Buck Harbor Road

WORCESTER COUNTY COMMISSIONERS - 112 W. Market Street, Snow Hill, MD 21863. (00-1074) Sewerage permit to improve the lagoon at the Ocean Pines Wastewater Treatment Plant

Out of State

ERGON TRUCKING, INC. - 2829 Lakeland Drive, Jackson, MS 39208. (2000-OPV-8672) Oil operations permit for transportation

Issuances

Allegany

BRASHEAR COAL MINES - HAMPSHIRE (SM-85-398) - Stony Run Road, 0.7 Miles Northeast of Westernport, Westernport, MD 21562. (00CM2157) General permit registration for discharge from surface coal mine

BUFFALO COAL CO. - NO. 328 - 1 Mile Northeast of Lonaconing, Lonaconing, MD 21539. (00CM1526) General permit registration for discharge from surface coal mine

BUFFALO COAL COMPANY - # 326 - One Mile Northwest of Lonaconing, Lonaconing, MD 21539. (00CM1513) General permit registration for

discharge from surface coal mine

BUFFALO COAL COMPANY - #359 - 1.5 Miles Northwest of Lonaconing, Lonaconing, MD 21539. (00CM1714) General permit registration for discharge from surface coal mine

BUFFALO COAL COMPANY - #422 - 15311 Old Coney Cemetary Road, Southwest, Charleston, MD 21539. (00CM2856) General permit registration for discharge from surface coal mine

BUFFALO COAL COMPANY, INC. - LONACONING TIPPLE - Route 135 North, Lonaconing, MD 21539. (00CM1353) General permit registration for discharge from surface coal mine

CLISE COAL COMPANY #S 213 & 404 - 1.6 Miles Northwest of Lonaconing, Lonaconing, MD 21539. (00CM2166) General permit registration for discharge from surface coal mine

COBRA MINING #184 - 0.5 Miles East of Barton, Barton, MD 21521. (00CM0907) General permit registration for discharge from surface coal mine

FAIRVIEW COAL CO. #399 - .6 Miles West of Midlothian, Midlothian, MD 21543. (00CM2161) General permit registration for discharge from surface coal mine

PATRIOT MINING CO. #393 - One Mile South of Midlothian, Carlos, MD 21550. (00CM1737) General permit registration for discharge from surface coal mine

PATRIOT MINING COMPANY #118 - Route 36, 1 Mile South of I-68, Frostburg, MD 21543. (00CM2150) General permit registration for discharge from surface coal mine

WESTVACO CORPORATION - 300 Pratt Street, Luke, MD 21540. (01-7-0029 M) Air permit to construct for one electrostatic precipitator

WESTVACO CORPORATION - 300 Pratt Street, Luke, MD 21540. (2000-OPT-3550) Oil operations permit for above ground storage tank and transportation

Anne Arundel

APPLE SIGNS. INC. - 910 H Bestgate Road, Annapolis, MD 21401. (02-6-0931 N) Air permit to construct for one paint spray booth

EUREST DINING SERVICE - 832-A Oregon Avenue, Linthicum, MD 21090. (02-8-0173 N) Air general permit to construct for one charbroiler

FAT DADDY'S RESTORATIONS - 2545 Mountain Road, Pasadena, MD 21122. (02-6-0930 N) Air permit to construct for one paint spray booth

FRANK ABEND, AA-009 - 3041 Patuxent River Road, Davidsonville, MD 21035. (S-00-02-3665-A) Sewage sludge application on agricultural land

JEAN F. CARLTON, AA-2 - 500 Polling House Road, Harwood, MD 20776. (S-00-02-3649-A) Sewage sludge application on agricultural land

KELLY'S CAJUN GRILL - 7600 Clark Road, Hanover, MD 21076. (02-8-0174 N) Air general permit to construct for one charbroiler

RANCH 1 - 7600 Clark Road, Arundel Mills Mall, Hanover, MD 21076. (02-8-0175 N) Air general permit to construct for one charbroiler

REDLAND GENSTAR - 7970 Old Jessup Road, Jessup, MD 20794. (2000-OPT-3221) Oil operations

permit for above ground storage tank and transportation

SHIPWRIGHT HARBOR MARINA - Herring Bay Road, Deale, MD 20751. (95MA9236) General permit registration for discharge from marinas

Baltimore City

2500 BROENING HIGHWAY LIMITED PARTNERSHIP, 225 Franklin Street, Boston, MA 02110. No Further Requirements Determination issued by the Voluntary Cleanup Program for the Point Breeze Business Center (Parcel D, Lot 3) property located at 2310 Broening Highway (Maritime Center II), Baltimore, MD 21224

AMERADA HESS CORP.- 6200 Pennington Avenue, Baltimore, MD 21226. (24-510-00918) Air quality part 70 operating permit

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

BALTIMORE AGGREGATE RECYCLING, LLC - 1030 Edison Highway, Baltimore, MD 21213. (24-6-1603,6-1444 M) Air permit to construct for two portable screens

BALTIMORE CITY COMPOSTING FACILITY - 5800 Quarantine Road, Baltimore, MD 21226. (S-00-24-1687-T) Sewage sludge transportation permit

COLUMBIA NATIONAL REAL ESTATE FINANCE, INC., 120 East Baltimore Street, Suite 1804, Baltimore, MD 21202. No Further Requirements Determination issued by the Voluntary Cleanup Program for the Point Breeze Business Center property located at 2400, 2500, 2501 and 2510 Broening Highway, Baltimore, MD 21224

CROWN PROCESSING - 2700 Broening Highway, Baltimore, MD 21222. (24-9-0710 N) Air general permit to construct for one 6,000 gallon gasoline above ground storage tank

DEXT COMPANY OF MARYLAND - 3220 Sun Street, Baltimore, MD 21226. (24-8-0259 M) Air permit to construct for one afterburner

DONJON MARINE - KURT IRON AND METAL - 3000 Childs Street, Baltimore, MD 21226. (97SW1362) General permit registration for stormwater associated with industrial activity

GRACE DAVISON - 5500 Chemical Road, Baltimore, MD 21226. (24-7-1076M) Air permit to construct for one baghouse

LEHIGH PORTLAND CEMENT COMPANY - 3100 Mertens Avenue, Baltimore, MD 21224. (24-9-0330 M) Air permit to construct for one baghouse

PATAPSCO WWTP - 3501 Asiatic Avenue, Baltimore, MD 21226. (S-00-24-3773-T) Sewage sludge transportation permit

PCS SALES, INC. - 1500 East Patapsco Avenue, Baltimore, MD 21226. (97SW1360) General permit registration for stormwater associated with industrial activity

PETROLEUM FUEL & TERMINAL COMPANY - 1622 S. Clinton Street, Baltimore, MD 21224. (24-9-0261 M) Air permit to construct for Supersede Permit #24-9-0261 M Issued 9/29/94

PHIPPS CONSTRUCTION CONTRACTORS, INC. - 4300 Shannon Drive, Baltimore, MD 21213. (97SW1359) General permit registration for stormwater associated with industrial activity

For the Record

PRITCHARD BROWN SITE - 6501 Erdman Avenue, Baltimore, MD 21205. (2000-OGR-8489) General permit for treated groundwater from oil contaminated sources

TATE & LYLE NORTH AMERICAN SUGARS, INC. - 1100 Key Highway East, Baltimore, MD 21230. (24-510-00314) Air quality part 70 operating permit

VICTOR GRAPHICS, INC. - 1211 Bernard Drive, Baltimore, MD 21223. (24-6-1720 N) Air permit to construct for one heatset lithographic web printing press

Baltimore County

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

BERMAN'S AUTOMOTIVE - 5720 Reisterstown Road, Baltimore, MD 21215. (24-6-1727 & 1728 N) Air permit to construct for two paint spray booths, one with prep deck

BETHLEHEM STEEL CORP, SPARROWS POINT. - 5111 North Point Boulevard, Sparrows Point, MD 21219. (03-6-2582 M) Air permit to construct for one carbon dioxide suppression system

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. (03-6-2327 M) Air permit to construct for modification to manufacture adhesives

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (03-6-2328 M) Air permit to construct for modification to manufacture adhesives

DAP PRODUCTS INCORPORATED - 4630 North Point Boulevard, Baltimore, MD 21219. (03-6-2125 M) Air permit to construct for modification to manufacture adhesives

METRO READY MIX, INC. - 1030 Middle River Road, Middle River, MD 21220. (95MM9706) General permit registration for discharge from cement plant

REDLAND GENSTAR INC - Towson, MD (77-SP-0056-1) Renewal and modification issued for a surface mine permit located Earls Road

ROYAL FARM STORE #104 - 1010 Eastern Avenue, Baltimore, MD 21221. (2000-OGR-8602) General permit for treated groundwater from oil contaminated sources

THE ASSOCIATED JEWISH COMMUNITY FEDERATION OF BALTIMORE, INC - P. O. Box 519, Owings Mills, MD 21117. (00-25-1061) Sewerage permit to construct a wastewater treatment facility with septic system in the vicinity of Route 91 and Route 30 at the Pearlstone Retreat

THE ASSOCIATED JEWISH COMMUNITY FEDERATION OF BALTIMORE, INC - P. O. Box 519, Owings Mills, MD 21117. (00-16-1060) Water permit to construct a water treatment plant in the vicinity of Route 91 and Route 30 at the Pearlstone Retreat

TPS - BALTIMORE SOIL RECYCLING FACILITY - 925 Todd's Lane, Baltimore, MD 21237. (03-02131) Air quality permit to operate

Calvert

JAMES T. BRISCOE, CV-35 - Lloyd Bowen Road, St. Leonard, MD 20685. (S-00-04-3580-A) Sewage sludge application on agricultural land

Carroll

COLONIAL PIPELINE COMPANY - 929 Hoods Mill Road, Woodbine, MD 21797. (24-013-00056) Air quality part 70 operating permit

DENNIS J. HARNER FARM - Off Whippoorwill Drive, Taneytown, MD 21787. (S-97-06-4121-A1) Sewage sludge application on agricultural land

FERN R. HAINES FARM - 3603 Baptist Road, Taneytown, MD 21787. (S-00-06-3797-A) Sewage sludge application on agricultural land

Cecil

AFAB OIL MANAGEMENT SERVICES, LLC. - 171 Childs Road, Elkton, MD 21921. (2000-OPT-7679) Oil operations permit for above ground storage tank and transportation

AIR PRODUCTS POLYMERS, L.P. - 329 West Main Street, Elkton, MD 21921. (24-015-00002) Air quality part 70 operating permit

MARYLAND MATERIALS, INC. - 264 Quarry Road, North East, MD 21901. (07-6-0154 M) Air permit to construct for replacement rotary dryer and baghouse

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

RITCHIE BROTHERS PROPERTIES, INC. - 821 County Road 27, Brighton, CO 80601. (00-22-1066) Sewerage permit to construct a force main along Route 40, 1 mile west of Red Toad Road, west of the Town of North East

THIOKOL PROPULSION/ELKTON DEFENSE & LAUNCH VEHICLES - 55 Thiokol Road, Elkton, MD 21921. (98DP0238) Surface industrial discharge permit

W.L. GORE & ASSOCIATES, ELK CREEK 3 - 501 Vieve's Way, Elkton, MD 21921. (07-5-0067 N) Air general permit to construct for one boiler <10 MMBtu/hr.

W.L. GORE & ASSOCIATES, INC. - 201 Airport Road, Elkton, MD 21921. (07-6-0179 N) Air permit to construct for one dip process

WILLIAM WALKER RESIDENCE - 5 Hilltop Drive, Earleville, MD 21919. (2000-OGR-8603) General permit for treated groundwater from oil contaminated sources

Charles

EARL'S TRUCK STOP (FORMER) - Route 301 & Route 427, Bel Air, MD 20611. (08-9-0081 N) Air general permit to construct for one soil remediation system

FACCHINA CONSTRUCTION COMPANY, INC. - 9230 W&W Industrial Road, La Plata, MD 20646. (2000-OPT-5216) Oil operations permit for above ground storage tank and transportation

HOWLIN CONCRETE, INC. - Dunkirk, MD (00-SP-0564) Permit issued for a surface mine located on Carrico Mill Road

SOUTHERN MARYLAND OIL - P. O. Box E, La Plata, MD 20646. (00-12-1038) Water permit to lay water mains along MD Route 210 and Marshall Hall

WALDORF LAUNDROMAT - 3530 Leonardtown Road, Waldorf, MD 20601. (08-6-0107 N) Air general permit to construct for one dry cleaning machine

Dorchester

CECIL & SYLVIA GANNON, DR-38 - Mount Zion Road, Federalsburg, MD 21632. (S-00-09-3957-A) Sewage sludge application on agricultural land

DELMARVA POWER - VIENNA - Chapel of Ease Road, P.O. Box 128, Vienna, MD 21869. (92DP0055A) Major surface industrial discharge permit

Frederick

BALLENGER CREEK WWTP - 7400 Marcie's Choice Lane, Frederick, MD 21704. (S-00-10-3643-T) Sewage sludge transportation permit

CANAM STEEL CORPORATION - 4010 Clay Street, Point of Rocks, MD 21777. (10-6-0487 N) Air permit to construct for one paint spray booth

FREDERICK TOWNE MALL - 1301 West Patrick Street, Frederick, MD 21702. (95HT9412) General permit registration for discharge from hydrostatic testing of tanks and pipelines

INGRAM'S SHELL - 4014-H Mountville Road, Jefferson, MD 21755. (10-9-0151 N) Air general permit to construct for three 10,000 gallon gasoline underground storage tanks

STERLING LENHART FARM, FR-44 - 8577 Links Bridge Road, Thurmont, MD 21788. (S-00-10-3738-A) Sewage sludge application on agricultural land

TAMKO ROOFING PRODUCTS, INC. - 4500 Tamko Drive, Frederick, MD 21701. (10-6-0058 M, 10-6-0071 M and 10-6-0481 M) Air permit to construct for one thermal oxidizer

WINDRIDGE FARM, LLC AQUACULTURE FACILITY - 3663-B Cap Stine Road, Frederick, MD 21701. (00DP3327) Surface industrial discharge permit

Garrett

ANKER WEST VIRGINIA MINING - SUGAR III # 108 - 1 Mile West of Tasker Corners, Near Mt. Lake Park, Mt. Lake Park, MD 21550. (00CM2343) General permit registration for discharge from surface coal mine

BUFFALO COAL COMPANY #367 - Kempton Road, Oakland, MD 21550. (00CM1722) General permit registration for discharge from surface coal mine

PATRIOT MINING COMPANY - OPA-96-03 - 1.2 Miles South Mt. Zion Road, Swanton, MD 21550. (00CM9605) General permit registration for discharge from surface coal mine

R & R TRUCKING - 48 Allen Marple Drive, Oakland, MD 21550. (99-OPT-6887A) Oil operations permit for above ground storage tank and transportation

Harford

ARMY AVIATION SUPPORT FACILITY - Weide Army Airfield, Building E4081, Edgewood, MD 21010-5401. (2000-OPT-5159) Oil operations permit for above ground storage tank and transportation

FOREST HILL ELEMENTARY SCHOOL - 2407 Rocks Road, Forest Hill, MD 21050. (12-5-0161 & 0162 N) Air general permit to construct for two boilers < 10 MMBTU

HOMESTEAD PUBLISHING COMPANY - 10 Hays Street, Bel Air, MD 21014. (12-6-0341 through 0346 N) Air permit to construct for six printing presses

MID ATLANTIC LABEL - 105 Industry Lane, Forest Hill, MD 21050. (12-00355) Air quality permit to operate

U.S. ARMY GARRISON, ABERDEEN PROVING GROUND - Aberdeen Proving Ground, MD 21005. (00-12-1039) Water permit to lay water main in the Edgewood Area of the Aberdeen Proving Ground

U.S. ARMY GARRISON, ABERDEEN PROVING GROUND - Aberdeen Proving Ground, MD 21005. (00-22-23-1040) Sewerage permit to construct a wastewater pumping station and a force main in the Edgewood Area of the Aberdeen Proving Ground

WETLANDS GOLF CLUB - 740 Gilbert Road, Aberdeen, MD 21001. (12-8-0055 N) Air general permit to construct for one charbroiler

Howard

ALPHA RIDGE MUNICIPAL LANDFILL - 2350 Marriottsville Road, Marriottsville, MD 21104. (24-027-00364) Air quality part 70 operating permit

COLUMBIA AUTO BODY, INC. - 6465 Dobbin Center Way, Columbia, MD 21045. (13-6-0296 N) Air permit to construct for one paint spray booth

D.G. & G, INC. DBA CRAZY RAY'S - 8125 Washington Boulevard, Jessup, MD 20794. (97SW1361) General permit registration for stormwater associated with industrial activity

DANIEL G. SCHUSTER, INC. - 7111 Dorsey Run Road, Elkridge, MD 21227. (13-06-0295) Air permit to construct for one portable ready mixed concrete plant

HOWARD COUNTY - MAYFIELD FACILITY - 775 Mayfield Avenue, Elkridge, MD 21227. (99DP2951) Surface industrial discharge permit

W.R. GRACE - WASHINGTON RESEARCH CENTER - 7500 Grace Drive, Columbia, MD 21044. (13-00013) Air quality permit to operate

Montgomery

DARCARS TOYOTA, INC. - 12210 Cherry Hill Road, Silver Spring, MD 20904. (15-6-0611 N) Air permit to construct for one paint spray booth

INTERNATIONAL FABRICARE INSTITUTE, INC. - 12251 Tech Road, Silver Spring, MD 20904. (99DP3093) Surface industrial discharge permit

KINGSVIEW VILLAGE CLEANERS - 13402 Kingsview Village Avenue, Germantown, MD 20874. (15-6-0613 N) Air general permit to con-

For the Record

struct for one dry cleaning machine

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

PERCONTEE, INC. - 11900 Tech Road, Silver Spring, MD 20904. (15-01884) Air quality permit to operate

SAFFORD LINCOLN MERCURY - 3110 Automobile Boulevard, Silver Spring, MD 20904. (15-6-0603 N) Air permit to construct for one paint spray booth

WSSC CONSOLIDATED LABORATORY FACILITY - 12245 Tech Road, Silver Spring, MD 20904. (15-5-1219 through 1221 N) Air general permit to construct for three boilers < 10 MMBTU

Prince George's

ANDREWS AIR FORCE BASE, BLDG. 3755 - 3479 Fetchet Avenue, Andrews Air Force Base, MD 20762. (16-5-0956 N) Air general permit to construct for one boiler < 10 MMBTU

CITY OF BOWIE DEPARTMENT OF PUBLIC WORKS - 16550 Annapolis Road, Bowie, MD 20715. (00-25-1058) Sewerage permit to upgrade City of Bowie Wastewater Treatment Plant

CITY OF BOWIE DEPARTMENT OF PUBLIC WORKS - 16550 Annapolis Road, Bowie, MD 20715. (00-16-1059) Water permit to upgrade City of Bowie Water Treatment Plant

CITY OF BOWIE WWTP - 16550 Annapolis Road, Bowie, MD 20715. (99DP0697) Major surface municipal discharge permit

DANIEL G. SCHUSTER, INC. - Ammendale Road, Beltsville, MD 20705. (16-6-1078 N) Air permit to construct for one portable concrete plant

FORMER CHEVRON 122208 - 5801 Riggs Road, Chillum, MD 20783. (2000-OGR-8514) General permit for treated groundwater from oil contaminated sources

FORMER GETTY STATION - 12705 Laurie-Bowie Road, Laurel, MD 20708. (2000-OGR-8520) General permit for treated groundwater from oil contaminated sources

FORT WASHINGTON MARINA - 13600 King Charles Terrace, Fort Washington, MD 20744. (2000-OGR-5924) General permit for treated groundwater from oil contaminated sources

FRANKLIN'S GENERAL STORE - 5121 Balti-

more Avenue, Hyattsville, MD 20781. (16-8-0222 N) Air general permit to construct for one charbroiler

LAUREL SAND & GRAVEL, INC. - 5601 Van Dusen Road, Laurel, MD 20707. (98-OPT-1055B) Oil operations permit for above ground storage tank and transportation

LUSTINE BODY DIVISION - 5323 Baltimore Avenue, Hyattsville, MD 20781. (16-6-1074 through 1076 N) 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

ROCKHILL SAND & GRAVEL CORP. / GUDELSKY MATERIALS - 14750 Gibbons Church Road, Brandywine, MD 20613. (95MM3000) General permit registration for discharge from mineral mine

ROCKHILL SAND & GRAVEL CORPORATION - Silver Spring, MD (82-SP-0127-E) Modification and renewal issued for surface mining permit located on Stewarts Lane

STEVE'S AUTO BODY - 12700 South Crain Highway, Unit B, Brandywine, MD 20613. (16-6-1077 N) Air permit to construct for one paint spray booth

Queen Anne's

QUEENSTOWN WASTEWATER TREATMENT PLANT - Route 18, Queenstown, MD 21658. (99DP0737) Surface municipal discharge permit

Somerset

GULF HARVEST SEAFOOD - 4110 Paul Gunby Road, Marion Station, MD 21838. (95SE9803) General permit registration for discharge from seafood processing

SOMERSET COUNTY LANDFILL - James Ring Road, Fairmount, MD 21871. (99DP3178) Surface industrial discharge permit

SOMERSET COUNTY SOLID WASTE DEPARTMENT - Clyde Ford Road, Westover, MD 21871. (99DP2847) Surface industrial discharge permit

St. Mary's

C. A. BEAN - Route 5 - Howlin Industrial Park, Mechanicsville, MD 20659. (2000-OPT-3033) Oil

operations permit for above ground storage tank and transportation

JIMMY RICHARDS & SONS EXCAVATING INC - Waldorf, MD (00-SP-0567) Permit issued for a surface mining permit located Maryland Route 6

MARYLAND ROCK INDUSTRIES INC - Leonardtown, MD (77-SP-0119-F) Renewal issued for a surface mining permit located on Breton Beach Road

ST. MARY'S HOSPITAL CENTER - Business Center Drive, Charlotte Hall, MD 20622. (00DP3334) Groundwater municipal discharge permit

Washington

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

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

BELL ATLANTIC - MARYLAND, INC. - 120 Antietam Street, Hagerstown, MD 21740. (21-9-0100 N) Air permit to construct for one generator

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

KING OIL CO. - 12314 Huyett Lane, Hagerstown, MD 21740. (2000-OPT-2448) Oil operations permit for above ground storage tank and transportation

PHOENIX COLOR CORPORATION - 540 Western Maryland Parkway, Hagerstown, MD 21740. (21-6-0468 M4) Air permit to construct for one printing press

ST. LAWRENCE CEMENT COMPANY, LLC - 1260 Security Road, Hagerstown, MD 21742. (21-00008) Air quality permit to operate

Wicomico

CATO, INC. - 1030 Marine Road, Salisbury, MD 21803. (99-OPT-3044A) Oil operations permit for above ground storage tank and transportation

CITY OF SALISBURY WATER DISTRIBUTION SYSTEM - Salisbury and Vicinity, Salisbury,

MD 21803. (95HT9413) General permit registration for discharge from hydrostatic testing of tanks and pipelines

DELMAR WATER DISTRIBUTION SYSTEM - 101 York Street, Delmar, DE 19940. (95HT9411) General permit registration for discharge from hydrostatic testing of tanks and pipelines

MERIT EASTERN SHORE - 1000 Parsons Road, Salisbury, MD 21801. (95MM2409) General permit registration for discharge from concrete plant

SALISBURY STATE UNIVERSITY - 1101 Camden Avenue, Fulton Hall, Salisbury, MD 21801. (22-5-0034 & 0035 N) Air general permit to construct for two Boilers > 10 MMBtu

TWO VEE CONSTRUCTION, INC. - 306 Tilghman Road, Salisbury, MD 21804. (00-22-23-1067) Sewerage permit to construct a wastewater pumping station and a force main, south of the intersection of US Route 50 and MD Route 347

WOR-WIC COMMUNITY COLLEGE - 32000 Campus Drive, Salisbury, MD 21804. (99-26-1141) Sewerage permit to upgrade the spray irrigation system at the Wor-Wic Community College Wastewater Treatment Plant

Worcester

BRADFORD ENTERPRISES, INC. - 10031 Kepler Lane, Bishopville, MD 21813. (23-6-0032 N) Air permit to construct for one temporary crushing plant

MYSTIC HARBOUR DEVELOPMENT CORPORATION - 9428 Stephen Decatur Highway, Berlin, MD 21811. (00-22-23-1052) Sewerage permit to construct a wastewater pumping station and a force main along Mystic Harbour Boulevard and Blue Heron Circle

Out of State

AQUATEX TRANSPORT INC. - 219 N. White Horse Pike, Hammonton, NJ 08037. (2000-OPV-8594) Oil operations permit for transportation

JUNELL CORPORATION - 420 Imperial Court, Bensalem, PA 19020. (2000-OPV-5418) Oil operations permit for transportation

MILLER ENVIRONMENTAL GROUP, INC. - 538 Edwards Avenue, Calverton, NY 11933. (2000-OPV-8556) Oil operations permit for transportation

SUBURBAN SOUTH LANDFILL - Glenford, OH 43739. (S-00-30-3968-T) Sewage sludge transportation permit

CAR Continued from Page 3

couples a three-cylinder engine with an ultra-thin electric motor, making it a clean and fuel-efficient gasoline-powered automobile. The electric motor does not need an external power supply for recharging - the batteries are recharged by regenerative braking. Energy from forward momentum is captured during braking and stored in the batteries. When accelerating, this stored energy is used to run the electric motor for additional power to the wheels without additional fuel consumption. The gasoline engine shuts off at idle to save fuel and restarts automatically when the driver shifts into gear and engages the clutch.

The Insight's lightweight aluminum body (47 percent lighter than a comparable steel body) and aerodynamic design also contributes to its fuel efficiency.

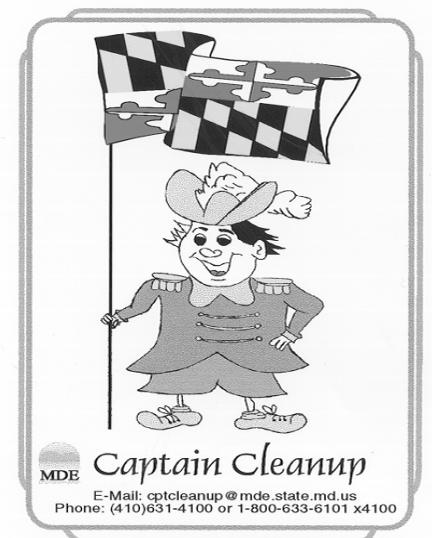
"There's a lot of interest in this vehicle," said Northwest Honda salesman Pete Cwik. "Right now, Honda is testing the market for this type of car, so our dealership has an allocation of only one Insight per month this model year. But we've already sold the two that we're getting for June and July."

"The Insight is not a family car," Rutkowski added. "It only seats two people. However, it shouldn't be long be-

fore the companies begin making hybrids that seat more passengers."

She's right. Honda is not the only manufacturer producing gasoline-electric hybrid passenger cars. Beginning in June, Toyota will begin selling the Prius in the United States. The Prius is a gasoline-electric hybrid sedan, with seating for four, that gets 40 to 50 mpg. And later this year, Ford will be introducing a gasoline-electric hybrid sedan that the company says will get 70 mpg.

These innovations in automotive technology are great news and offer environmentally-friendly choices for consumers for their next new car purchase.



2000 Bay Game arrives!-- is a must-have for kids on the way to the beach

Back and better than ever, Maryland's 2000 Bay Game features new games, including puzzles, mazes and bingo, as well as featuring new sites along the drive to the beach. The Maryland Bay Game, the first educational tool of its kind in the nation, is designed to be played from the back seat of a car while riding along U.S. 50 and MD 404 to Eastern Shore beaches.

The game is available free from toll collectors at the William Preston Lane, Jr. Memorial Bridge (Bay Bridge) from Memorial Day thru Labor Day, while supplies last. Games are also available at tourism offices and Hardee's Restaurants on the Eastern Shore, as well as the following McDonald's restaurants: Cambridge on

U.S. 50; Denton on MD 404; and Bridgeville (DE) on Rt. 404 and U.S. 13.

Last year, more than 275,000 families picked up the bay game at the Bay Bridge. Designed for children ages 3 and up, the Bay Game helps increase awareness of how our surroundings relate to the Chesapeake Bay. In addition, the game helps keep children occupied during long car rides.

"The Bay game helps turn an ordinary ride to the beach into an enjoyable learning experience," said Governor Parris N. Glendening. "It is a great way for families to spend time together while also teaching children about our environment and the Chesapeake Bay."

This year's 24-page booklet encourages children to locate the 13 sites, which are marked with Bay Game highway signs, along the way to the beach. In addition, there are games that teach children about wildlife and habitat, facts about crabs and fishing tips, as well as stickers and coupons.

"The Chesapeake Bay is the cord that ties together every Marylander. It is among our greatest gifts, and greatest responsibilities," said Lt. Governor Kathleen Kennedy Townsend. "Each of us shares an obligation to help keep the Bay and our environment healthy and vibrant."

SOIL

Continued from Page 9

Conservation management programs - including the use of conservation tillage, terraces, silt fences, buffer strips and contour farming - reduce erosion and the runoff of topsoil and its nutrients into creeks, streams and other waterways. These valuable conservation practices help preserve the soil by providing much-needed ground cover or by reducing the speed and force of water.

Soil by its nature is a renewable resource. But it needs the assistance of conservation management programs and methods to maintain its potential for sustainability. The use of these methods can help ensure an effective use of the land for years to come, and sustain the quality of life for those who use it.

To learn more about soil and water conservation, visit www.swcs.org.

THREAT

Continued from Page 5

with good diets absorb less lead.

By following simple precautions parents can significantly reduce the chance of lead poisoning in their children and other family members. If you think your child might be at risk for lead poisoning, contact a physician. And if you are planning to buy, rent or renovate a home built before 1978, you are required by federal law to receive the "Protect Your Family From Lead in Your Home" pamphlet. For more information on lead poisoning and to receive this free pamphlet, please call 1-800-424-LEAD

Here is a sample of comments children sent to DNR about last year's Bay Game:

- "I think this game is a good idea because it keeps children busy on a long car trip."
 - "This keeps my hands busy while we are riding. Keeps me out of my mommy's hair."
 - "I like to play with the Bay Game books. I get them every time I go to the ocean because they are very special to me. THANK YOU."
 - "It was entertaining, it makes the trip seem shorter."
 - "I want everybody to pickup trash and take care of the world."
 - "I really like this Bay Game. I'm 18, but I've learned things I didn't know about the Eastern Shore and the Bay from this game."
- Maryland's Bay Game is made possible through contributions from sponsors including the Constellation Energy Group, CONECTIV, the U.S. Environmental Protection Agency, Forman, Inc., Giant Food Inc., Hardee's on The East-

ern Shore, Maryland Department of Transportation, State Highway Administration, Maryland Port Administration, Maryland Department of Agriculture, Maryland Transportation Authority, McDonald's of Cambridge, Denton and Bridgeville, De., NOAA Chesapeake Bay Office, PEPCO and the Town of Ocean City.

DNR receives request for thousands of Bay Games from Maryland teachers every year. Teachers are using the Bay Game to educate students about environmental issues and the Chesapeake Bay. In addition, DNR has received requests for Bay Game copies and information from private and government environmental organizations across the nation who are interested in developing a program and product similar to Maryland's Bay Game.

For more information about the Maryland Bay Game: call DNR toll free at 1-877-620-8367 ext. 8016 or visit the Bay Game on-line at www.dnr.state.md.us/baygame

ENERGY

Continued from Page 11

dioxide and other "greenhouse" gases released into the atmosphere that has generated the growing international concern about global warming.

No carbon dioxide is produced when electricity is made from the sun and wind.

Plant life: Fossil based fuels can create pollutants that contaminate water and soil.

Acid rain, for example, is a combination of airborne moisture, sulfur dioxide and nitrogen oxide. This "rain" now falls on much of the United States, damaging forests and reducing the aquatic life in lakes and rivers.

The good news is the cost of energy from renewable sources has plummeted over the past couple of decades, in large part because of the scientific research at the National Renewable Energy Laboratory. Further research may reduce the cost even more.

For more information visit www.nrel.gov or www.eren.doe.gov or call 1-800-DOE-EREC (1-800-363-3732).

WORKSHOP ON CITIZEN PARTICIPATION IN THE TITLE V AIR PERMITTING PROCESS

Sat. June 24 - Sun. June 25

On the Campus of the UNIVERSITY OF MARYLAND COLLEGE PARK, MD

Presented by the U.S. Environmental Protection Agency together with experienced environmental activists and local air quality regulators

This workshop will:

- Introduce citizens to the Title V permit process
- Explain the local, state and federal role in Title V permitting
- Give citizens tools, skills, and reference materials to help them review Title V permits
- Explain various options available for citizens to participate in the Title V permitting process

Who should attend:

- Community and environmental activists
- Concerned citizens who live near large industrial sources of air pollution
- Concerned citizens who are involved in air permit issues
- Concerned citizens who are interested in air pollution control issues

Register soon - Space is limited to 50 participants.

There is NO Registration Fee - Limited scholarship/travel reimbursement funds are also available to offset some or all of participants' travel expenses.

****Registration forms are due June 1, 2000.**

For more information about registration, lodging, or questions regarding the workshop, contact:

David Campbell, U.S. Environmental Protection Agency: (215) 814-2196/campbell.dave@epa.gov or Chris Trepal, Earth Day: Coalition phone: (216) 281-6468/ctrepal@earthdaycoalition.org

Co-sponsored by: Clean Air Council, Earth Day Coalition, Group Against Smog & Pollution, Maryland Department of Environment, MaryPIRG, Sierra Club - Maryland Chapter, and U.S. Environmental Protection Agency

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