

MDE Environment

Maryland Department of the Environment

November 1998

What's Inside...

Grass Roots Organization Prevents Pollution

Page 3

Healthy Painting

Page 3

American Recycles Day Find out how you can win a new green dream home!

Page 4

Kids Get Into the Recycling Act One million pounds saved and counting!

Page 5

BLIS and the WEB Making it easier to do business for you!

Page 5

Pollution Prevention Education Opportunities

Page 6

Environmental Justice Advisory Council Meeting Notice

Page 10

Enforcement and Compliance

Page 11



Visit MDE's home page at <http://www.mde.state.md.us>

MDE to Solicit Input on Title V Operating Permits

by Karen Irons

This fall, The Maryland Department of the Environment (MDE) will issue the first of approximately 180 Title V air quality operating permits for Maryland include large printers, federal facilities, food processors, utilities, gasoline terminals, landfills, chemical companies and steel and other large manufacturers.

The purpose of Title V operating permits, which are required by the Clean Air Act Amendment of 1990 is to clarify, in a single document, all the applicable air requirements that apply to a source. Although Maryland has an existing operating permits program, many states did not; the Title V operating permits program will help ensure consistency around the country in implementing Clean Air Act requirements. Maryland was



required to develop and submit to the U.S. Environmental Protection Agency a program for issuing operating permits to major stationary sources including major sources of hazardous air pollutants. Sources affected by Title V were required to

submit applications by August 1997.

Air quality permitting program staff have conducted outreach activities geared towards both the regulated community and the general public.

(continued on page 3)

Patuxent Tributary Team:

Cuckold Creek Workgroup works to keep St. Mary's County from going down the slippery slope of westphalia soils.

by Danielle Lucid



Cuckold Creek in St. Mary's County

How do you protect streams and forests from stormwater while allowing for development? Developers who build within prescribed stormwater permitting regulations sometimes still fail to protect the environmental integrity of a watershed, its streams, and forest cover because of regionally specific environmental issues.

Al Stewart, an Natural Resources Conservation Service employee with St. Mary's County Soil Conservation District, and a member of the Patuxent River Tributary Team which is largely the Patuxent River Commission, was faced with this conundrum for over five years in St. Mary's County. In the rapidly developing,

15,000-acre, Cuckold Creek watershed, steep, wooded slopes, coupled with delicate, highly erosive "westphalia" soils, have produced over 40 sites with serious erosion and gully development. On steep slopes, stormwater generated gullies began to form, both during and after the construction of homes, regardless of the application of prescribed best management practices and compliance with permitting regulations.

Stewart introduced an example of the problem to the Patuxent River Commission by showing them the serious gully formations behind the Hollywood Elementary School in the

(continued on page 2)

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continued from front page...

Patuxent River Tributary Strategy Team

Cuckold Creek watershed. During storm events, the stormwater pond discharges overflow across sloping westphalia soils leading to a gully formation. The house-sized gully, growing alarmingly during each rain event, was contributing tons of sediments to Cuckold Creek, choking the stream bed with silt, and disrupting the habitat of the organisms that lived there. Ultimately, the sediment plus its associated nutrients would find their way to the Bay causing sediment plumes, algal growth, and light attenuation, inhibiting the growth of vascular plants, and reducing habitat for Bay organisms.

The most significant problem is the continuing development that occurs upstream of soils that are notorious for their crumbling and erosive properties, resulting in serious erosion impacts to adjacent properties. If people continue to build in areas adjacent to slopes with such delicate soil structure, then specific techniques must be employed to reduce enormous sediment losses on these adjacent properties. For the private homebuilder or the single homebuilding contractor, these techniques are often unknown but are often less expensive than the currently applied techniques used to minimize erosion.

To address the problem, Al Stewart and The Patuxent River Commission's Cuckold Creek Workgroup, organized and conducted a roundtable discussion, at the Hollywood Elementary School. Participants included engineers and developers, and representatives from the Cuckold Creek Restoration Project, the Chamber of Commerce, and the Soil Conservation District. Participants in the roundtable discussion hiked through



Tributary team members and others at the recent Cuckold Creek workshop.

stands of poison ivy to visit the gully site.

As follow-up to the roundtable, attendees have submitted comments and examples of regulations from other jurisdictions for the workgroup to review. Workgroup representatives, Al Stewart, Mary Lorsung, and Elizabeth Hickey presented the Cuckold Creek conundrum to the St. Mary's County Commissioners.

Currently, the Cuckold Creek

The choices are clear: either new, site specific, stormwater management and erosion control policies must be developed, and the information disseminated to developers, or new development must be directed to areas with less delicate and sensitive soils. It is hoped that the recommendations from the Patuxent River Commission's Cuckold Creek Workgroup will result in new local land use policies, that will correct the

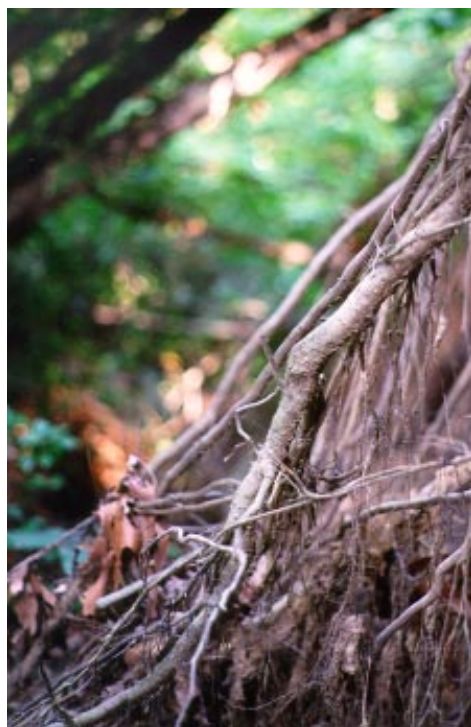


Stormwater management ponds are the standard answer for stormwater control. Yet, the outfall from this pond has helped to create large gulleys and other erosion problems in the area of Cuckold Creek.

Workgroup is developing policy solutions to address the erosion problem. The suggested policies will be given to the St. Mary's Development Review Forum, a group set up by the County Commissioners in 1995 and tasked with streamlining the developer's permitting and approval process in St. Mary's County. The suggested policies also will be submitted to the St. Mary's Planning Commission who are in the process of developing their comprehensive land use plan. Both the St. Mary's Planning Commission and the St. Mary's Development Review Forum will provide policy recommendations to the St. Mary's County Commissioners.

potentially damaging effects of future development, by implementing feasible solutions to manage stormwater runoff across wooded slopes with fragile westphalia soils.

For more information on stormwater design and regulation or if you would like the new stormwater design manual, call Ken Pensyl at MDE at 410-631-3543. For information on innovative stormwater technologies call Larry Coffman at Prince George's County Department of Environmental Resources at 301-883-5839 or Rich Claytor at the Center for Watershed Protection at 410-461-8323. For more information regarding St. Mary's, or westphalia soils, call Al Stewart at NRCS at 301-475-8402.



Roots exposed by erosion

Pollution Prevention Activities Help Community

by Suzanne Bond

Used paint finds new home

Unused house paint destined for local landfills was given a second chance for use last month with the help of a Baltimore City non-profit that recognizes pollution prevention as one of its key goals. The Loading Dock, an environmental and housing organization that distributes surplus building materials to improve lower income housing and community conditions, has been open for business since 1984. Since 1991, 17,000 gallons of paint from 13 separate paint giveaways have been diverted from local landfills. Paint that is improperly disposed of in local landfills could contaminate groundwater resources around the landfill.

"The Loading Dock's environmental component comes from the tons of material we save from landfills. The paint recycling program, in particular, has tremendous environmental benefit, given the toxicity of the material that is



Community members in need pick up paint from the Loading Dock.

reused," said John Black, Loading Dock outreach director.

The Loading Dock's most recent free paint distribution this year provided a chance for Hamilton Richards, an Elder in St. Peter's Church of Good

and True Holiness, to pick up several gallons of sand beige-toned paint for his church's steps. "I come here all the time," said Richards, noting that using the paint earmarked for disposal "keeps the environment looking good."

Paint is not the only product that Loading Dock members can obtain for reuse in homes. The Loading Dock's Gwynns Falls warehouse currently holds sinks, cabinets, doors, tile, toilets, windows and a wealth of other home improvement items. Some material is used, but some, still in manufacturer's boxes, are real bargains. The materials were donated by manufacturers, distributors, individual home owners and contractors.

"Most of the items are surplus and are slightly damaged, but other materials are brand new and not at all damaged," said Black.

Loading Dock membership, currently at over 8,000, is open to lower income individuals, non-profit organizations, and religious institutions. For more information or to donate materials contact the Loading Dock at (410) 728-3625.

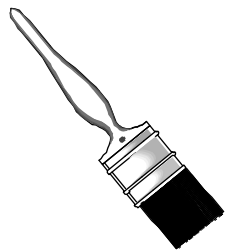
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Title V

Seminars, site visits, and numerous meetings were held to ensure the smooth implementation of Maryland's Title V program. Public participation is an important part of the Title V permit process. Notices announcing MDE's intention to issue a Title V permit will appear in the newspaper, on MDE's website and also will be sent to local officials and interested parties. The public also will be given the opportunity to provide written comments on the permit or request a public hearing. Dockets containing a facility's permit application, supporting documents, draft permit and fact sheet will be available for review both at MDE and a public library near the facility. Draft permits and associated fact sheets will be available at MDE's website: www.mde.state.md.us.

The first Title V permit available for public review is for an electrical peaking station located in Baltimore City. Electrical peaking stations are used during periods of high demand for electricity such as on very hot summer days. Other permits, which will be available for public review shortly, include bulk gasoline terminals, steam generating facilities, and additional electrical peaking stations.

For more information on Title V or to be placed on the interested parties list, contact Shannon Stevens of MDE at (410) 631-4433.



Healthy Painting Brochure

The Montgomery County Department of Environmental Protection (DEP) recently produced a brochure containing tips for reducing short term exposure to harmful chemicals found in some interior household paint and flooring products.

Designed for homeowners, property managers and painting contractors, the brochure, entitled "Healthy Indoor Painting Practices," covers proper ventilation, paint selection, health impacts, concerns for multi-family building residents and safety guidelines. The brochure is the first of its kind in the country. Since its release in early October, thousands of requests for pamphlets have come in to the DEP headquarters in Rockville from all over the world. The new brochure is getting attention from the Environmental Protection Agency, from environmental departments around the United States and from at least one well known paint manufacturer now considering whether to include the brochure in all its stores nationwide.

The information contained within the pamphlets is so critical because paints and floor coatings can contain solvents and other materials that can

be irritating or injurious to human health when used improperly. Many of these harmful chemicals can be classified as volatile organic compounds (VOCs), the same chemicals that contribute to ground level ozone smog during the hot summer months.

According to DEP Air Quality Engineer Bernie Bloom, single family, townhome and multi-family residences are not mechanically ventilated. "Many people mistakenly believe that an air conditioner or furnace adequately filters indoor air," Bloom said. "Because this is not the case, painting during the summer or winter can be of concern to residents and their neighbors."

Groups especially at risk to the VOCs contained in paint vapors are pregnant women, young children and individuals with respiratory ailments.

According to DEP's Director of Public Education, Joe Keyser, the brochure fills a niche for information about safe painting practices that never existed before.

"People didn't realize that even though paint dries within four or five hours after application, volatile organic compounds can linger 48 to 72 hours after the paint job is finished," Keyser said. "In multi-family homes, apartment buildings and condominiums, contractors will close

windows after a job is finished, but those who live in the building are exposed to the VOCs that flow through cracks, under doors and around piping."

The brochure's message is simple, Keyser adds. It helps those using the supplies to realize the importance of selecting materials with low VOC content and of using proper ventilation during and after a paint job. It also stresses that even though the paint job is over, the "off gassing" continues for days.

Safety guidelines in the pamphlets include:

- Try to schedule painting for fall or spring when the weather is more moderate and windows may be left open for ventilation
- elect and or insist upon 100 percent non VOC paints
- Keep windows open for at least 48 to 72 hours
- use window mounted box fans to exhaust vapors from the work area
- provide advance notice to adjacent units that the work is about to begin.

To receive a free copy of "Healthy Indoor Painting Practices," call 301-217-2177. Information will also be available on the DEP website dep.enviro@co.mo.md.us.

Second Annual America Recycles Day --November 15

750,000 Take Pledge Last Year

by Bonnie Berardelli

November 15 marks the second annual America Recycles Day when citizens are encouraged to focus on the importance of recycling and buying recycled by making a pledge to improve their recycling habits at home and at work. One lucky person who makes the pledge will win an "American Green Dream House."

The average American throws away more than four pounds of garbage a day, which adds up to about 200 million tons of waste a year. Recycling saves energy, natural resources and landfill space. But to keep recycling cycle working, Marylander's need to buy products made from the materials that are already being recycled. Here are ten great ways to celebrate America Recycles Day.

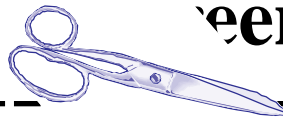
- Commit to "Buy Recycled" at home and encourage the use of recycled-content products at your office.
- Take a tour of a local facility that processes recyclables or manufactures recycled content products. Call 410-974-1680 or see www.marylandrecyclers.org for local tour information.
- Organize a display of recycled-content products at your church, office, school or retail shopping center.
- Ask local retailers to stock more products made from recycled materials.
- Look for "safe bets" that always have recycled content: steel, aluminum, glass, molded paper pulp containers.
- Purchase remanufactured products and equipment like toner cartridges, office furniture, auto parts, re-refined oil or retreaded tires.
- Teach children why, "If you're not buying recycled, you're not really recycling."
- If one of your favorite products does not have recycled content, call the manufacturer and ask them to change it.
- Read product labels and look for recycled content, especially post-consumer.
- Act by buying a recycled product today!

Fill out the pledge card on this page and mail by November 15 to: America Recycles Day, Maryland Department of the Environment, 2500 Broening Highway, Baltimore, MD 21224. All pledges received by MDE by November 15 will be entered into a random national drawing for the "American Green Dream House"--a brand new 3-bedroom, 2 1/2 bath home built with recycled materials. The drawing will be held on December 15 in Washington, D.C. One entry per person. Employees of MDE are not eligible.

For additional pledge cards, call 410-974-4478 or 1-800-YES-I-CAN or check out these web pages: www.americarecyclesday.org (where you can enter your pledge on-line) or www.marylandrecyclers.org (which also has a listing of events scheduled throughout Maryland) or just visit the Recycling in Maryland page on the MDE homepage at www.mde.state.md.us for links to both sites as well as information on recycling in Maryland.

America Recycles Day in Maryland is sponsored by: Anne Arundel County, BGE, Bell Atlantic Yellow Pages, Chesapeake Paperboard Co., Clorox Products Manufacturing Co., Collins & Aikman Floorcoverings, Eco Print, Harford County Government--Recycling Office, Maryland Department of the Environment, Maryland Environmental Service, Maryland Recyclers Coalition (MRC), Partners Quality Recycling Co., Phillips Technologies/Airpax Protection Group, Solid Waste Association of North America Mid-Atlantic Chapter and WJZ-TV.

Enter to Win an American Green Dream House



American Green Dream House Entry Form

For America Recycles Day, I will: *(check one or more)*

- buy more recycled-content products
 increase my recycling efforts at home or work
 (other recycling related effort) _____

Please enter me in the random drawing to be held December 15, 1998. One entry per person. No purchase necessary. Your name and address will be kept confidential. Deadline for receiving entries is November 20, 1998. For a complete set of rules, or to enter via the internet, surf the web to: www.americarecyclesday.org

Name _____
 Organization or Business _____
 Address _____
 City _____ State _____ Zip _____
 County _____ Daytime phone _____

Check here if you are under 18.

Mail entry form to America Recycles Day
MDE, 2500 Broening Highway, Baltimore MD 21224



You've Just Won....!

"I've never won anything in my life." said Sgt. Robert Portillo of the United States Army, winner of last year's American Green Dream home. His brand-new ranch house will be built using recycled-content materials on 15 acres of central Texas land. Although Sgt. Portillo is currently posted in South Korea, he will settle in

to his new home after completing his assignment

Portillo was one of the 750,000 who filled out the America Recycles Day pledge card and earned a chance at winning the house. Sgt. Portillo has shown a strong commitment to recycling and source reduction, pledging to reduce the number of plastic bags he takes from the grocery store and recycle his used oil and aluminum cans.

North East Middle Recycles One Million Pounds!



Bill Schmidt of MDE (center, back row) presents citations from Governor Glendening and MDE's Awards of Merit to the North East Middle School's Builder's Club. Also pictured are Robert Schick, club adviser, and members of club, along with Mayor Robert McKnight, Delegate David Rudolph, County Commissioner William Manlove, and James Campbell who runs the recycling center in conjunction with the club.

by Bonnie Berardelli

The Builder's Club, a student organization at North East Middle School in Cecil County, recently reached an impressive milestone of recycling one million pounds of glass, plastic, paper, aluminum and oil. sponsored by Kiwanis International, the Builders Club is appropriately named because their goal is to "Build Bridges Between People." The club's membership is comprised of approximately 50 sixth, seventh and eighth grade students. Since the club was formed in 1990, over 400 students have participated in the program's activities. The North East Middle School Builders Club is busy building a cleaner environment through outstanding service, dedication, enthusiasm and their commitment to recycling by preserving Maryland's natural resources.

Beginning in 1990 with a farm wagon and some barrels for sorting, the group progressed through a mobile recycling container with several bins (glass was separated by color at that time) to its present status of a larger container (recycling is now co-mingled except for aluminum). They accept glass, plastic, aluminum and steel cans, oil and paper. However, recycling is not just reserved for activities at the center. These young people show their enthusiasm for recycling by collecting recyclables at local events. A good example is their recent collection of 150 pounds of

aluminum cans at the Water Festival and 300 pounds of aluminum cans at the recent Cecil County Fair. This translates into approximately 14,656 cans!

Paper also is collected from each classroom in the school building on a weekly basis. A local trash hauler has supplied a separate dumpster for paper that is separated into three categories (newspaper, cardboard and paper). The newspaper is recycled into new newsprint, the cardboard is recycled into new cardboard and the mixed paper is made into cattle bedding and is sold on Maryland's Eastern Shore and in Lancaster County, Pa. The students staff the center, located at the North East Middle School on East Cecil Avenue, on the 2nd and 4th Saturdays of the month. James Campbell, club coordinator, runs the center on the 1st and 3rd Saturdays.

The club's commitment to the environment extends to Maryland's wildlife as well. The students build duck boxes and birdhouses, which are paid for by their aluminum can recycling. To further support their endeavors, they recently made \$1,500 selling lemonade at the county fair. They also have "Christmas in July," a program that helps the local elderly with home repairs, and following the recent Water Festival, their commitment to community involvement lead them to the removal of 6,000 pounds of trash from the water, beach and park.

Making it Easier to Do Business in Maryland

*Business Licensing
Information
System
(BLIS)*

*MDE Permit
Applications on the
Web*

by Bob Daniel

Looking to start up or expand a business in Maryland. A world of Maryland business licensing information provided by the Maryland Department of Economic and Employment Development is now available through the Internet. Businesses can use one computerized source to identify all permits and licenses needed to operate their specific type of business. Answering the question 'What types of permits and licenses do I need to operate my business?' has never been easier.

The Business License Information System (BLIS) enables business owners to obtain licensing information such as the complete application process, other federal, state and local approvals needed, the length of time required for processing, contact information and many other details that would traditionally take hours of phone work to reveal. The system also enables business owners to apply for certain state licenses online.

Contact the Maryland Department of Business and Economic Development at (410) 767-0545 for more information or e-mail lsipes@mdbusiness.state.md.us. Try out the new system by visiting the web site at www.blis.state.md.us.

The Maryland Department of the Environment (MDE) always looks for ways to make it easier for its customers to work for a better environment. MDE now has made many of its permit application forms available on the department's web site, www.mde.state.md.us, which allows businesses and citizens with Internet access to quickly download application forms. The web site also has instructions on which forms to select and how to properly submit them. General permits for the discharge of treated groundwater from oil spill cleanup projects, and for the discharge of storm water runoff and hydrostatic tank testing waste water from oil terminals can be filled out and submitted directly from the web site.

Approximately 31 of MDE's waste and 33 air quality permit applications are available on the website. In addition to the 17 wastewater discharge permits currently available, 25 additional water permit applications are now being made ready for posting. These are for wetlands, mining, water appropriations and use, and other forms needed by many of MDE's customers. Look for more permits to be added soon. Please direct your questions and suggestions to webmaster@mde.state.md.us, or contact the MDE at (410) 631-3772.

Baltimore City Recycles!

The Baltimore City Department of Recycling is spreading the message that 'recycling is fun' to city students, community organization and residents. By using arts and crafts, films and literature, and personal presentations, the city program encourages participants to spread the word and to get involved in their communities. Recycling technicians also are available to train teachers and community organizations that want to learn more about Baltimore City's Recycling Program and garbage disposal.

To request a recycling assistant or technician to speak to your group please contact Baltimore City's Department of Public Works, Office of Recycling at 200 N. Holiday Street, Room 201, Baltimore, Maryland 21201 or call (410) 386-5916.

Eastern Shore's Midshore Regional Landfill Holds First Household Waste Collection Day

by Bill Schmidt and Bonnie Berardelli

When cleaning out the garage, shed and the basement, what do you do with unused chemicals, solvent-based paints, pesticides, used oil and car batteries? Because of the human health risk and the environmental damage which can result from the improper disposal of these items, officials in many areas throughout Maryland have worked to develop local household hazardous waste collection programs.

One such local collection program was held in September at the Midshore Regional Landfill located in Talbot County. Approximately 260 residents from Caroline, Queen Anne's, Talbot and Kent counties participated in the event. Material collected included waste fuels, aerosols, pesticides, acids, alkalis such as lye and drain cleaners, reactives such as ethers and peroxides, batteries, mercury, oil-based paints and solvents all of which totaled approximately 23,585 pounds. Additionally, 5,140 pounds of reusable

latex paint was collected which will be recycled by distributing it to area individuals and charitable organizations.

All waste collected was properly identified, packaged and transported off-site under a hazardous waste manifest by Clean Harbors Environmental Services Inc. a private, certified company providing hazardous waste handling and transportation services. A citizen survey will be used in planning future collection days for the midshore region.

If you have products around your home with labels that indicate the product could be dangerous (some signal words are warning, caution, danger, poison, caustic), read the label carefully, follow the directions and keep the household products out of the reach of young children and pets. Some other tips are:

- ◆ Leave products in their original container
- ◆ Use the entire product before rinsing and disposing of the container
- ◆ If you only need a small quantity,



Household hazardous waste is sorted and prepared for proper disposal or reuse

share it with a neighbor or friend

- ◆ Store powder products away from liquids, including water
- ◆ Try finding a substitute that is not hazardous

If you have questions about a product, call the manufacturer. Many products have toll free telephone numbers listed on the label).

For general information about HHW collection on the Eastern Shore, call Bill Schmidt, MDE's Eastern Shore Regional Manager at (410) 758-5020. Call James Woods, Midshore Recycling Coordinator at 410-820-8384 for information about charitable paint donations. For all other household hazardous waste questions contact Niel Thompson at (410) 631-3441.

Upcoming Pollution Prevention Education Opportunities

Pollution Prevention Techniques for Lithographic Printers Workshop

Presentations will focus on ways to save money and improve environmental performance through source reduction and reuse and recycling techniques. Topics include regulations of lithographic printers, prepress, printing inks, dampening systems, press cleaning, postpress, emerging technology and recycling in the graphics arts industry.

The workshop will be held November 19, 8:30 a.m. – 4 p.m. at the Community College of Baltimore County – Catonsville Campus, 800 South Rolling Road, Building K, Room 100. To register, call (410) 719-6551.

Local Techniques to Prevent Pollution

The Maryland Department of the Environment is cosponsoring a workshop with *The Center for*

Chesapeake Communities to discuss innovative pollution prevention methods that can be implemented at the local level. The workshop is designed for solid waste and recycling managers, planning directors, procurement officers and private vendors. It will be held December 4 at the Baltimore Metropolitan Council from 9:30 a.m. to 3:30 p.m. Participants will receive a copy of the *Local Government Pollution Prevention Toolkit*. To register for the workshop or to receive the publication, call 410-267-8596.

The 1999 Mid-Atlantic Pollution Prevention Conference -- Call for Speakers

The Third Annual Mid-Atlantic Pollution Prevention Conference will be held January 20-21, 1999 in Baltimore. The conference will include sessions focused on technical P2 information and innovations affecting the Mid-Atlantic area.

Topics include examples of P2 technological innovations in the areas of metal cleaning, coatings and fabrication, food processing, printing, and chemical manufacturing, case studies with proven technologies and procedures, successful and unsuccessful alternatives, and information

on how to locate P2 technological information, resources and tools.

Send a one-page description of your proposed subject by November 30 to Michele Russo, National Pollution Prevention Roundtable by fax: (202) 466-7964, or e-mail michelerusso@compuserve.com. (202) 466-P2P2.

Pollution Prevention for Marina Managers

Marina managers are invited to attend a workshop to learn about pollution prevention practices at marinas. Participants will receive a copy of the Maryland Clean Marina Guidebook and identify steps to becoming a designated "Clean Marina."

January 9, 1999	Mears Point Marina, Grasonville	10 a.m.-2:30 p.m.
January 21, 1999	Tidewater Marina, Havre de Grace	10 a.m.-2:30 p.m.
February 3, 1999	Baltimore Boat Show, Baltimore	1-5 p.m.
February 9, 1999	Calvert Marina, Solomons Island	10 a.m.-2:30 p.m.
February 12, 1999	Marlin Club, Ocean City	1- 5p.m.
February 18, 1999	Eastport Yacht Club, Annapolis	10 a.m.-2:30 p.m.

For additional information or to register please call 410-260-8771 or visit sss.dnr.state.md.us/boating

Workshops sponsored by Maryland Department of Natural Resources, Marine Trades Association of Maryland, and Watershed Associates, Inc.