

POLLUTION PREVENTION NEWS

CONNECTICUT

CONN TAP

Reduce, Reuse, Recycle: A Connecticut Conference on Industrial Water Use was successfully conducted last November. Sponsored by Connecticut DEP and produced by ConnTAP, the conference focused on minimizing industrial water use. The Fall 1995/Winter 1996 issue of *ConnTAP Quarterly* summarizes the event. Conference attendees were provided with several water conservation fact sheets and case studies for a variety of industry types. Copies of these ConnTAP-prepared documents can be obtained from Connecticut DEP or ConnTAP.

ConnTAP recently completed its tabulation of calendar-year 1995 technical assistance efforts. ConnTAP received approximately 400 telephone calls requesting technical assistance and the Site Visit staff visited 31 businesses.

ConnTAP has added a new member to its staff. Edward Parsons has been hired as the Site Visit Program Technical Coordinator. In this part-time position, Ed will review documents prepared by Site Visit staff, as well as assist with obtaining technical data. Ed has over 30 years of experience in machining and metalworking with companies including Dunham-Bush and Pratt & Whitney.

ConnTAP continues its transition to INMAGIC library software. Hardware requirements for the recently obtained Windows version of this software has prompted ConnTAP to order a new computer for the library. Although this will delay transitioning to later this

Spring, the new computer will allow future upgrade flexibility.

ConnTAP's 1995 Matching Challenge Grant Program is underway. Four grants totalling \$15,000 have been awarded. This year's grants focus primarily on industrial water conservation issues. Final reports should be available by June.

The combined Fall 1995/Winter 1996 issue of the *ConnTAP Quarterly* was published in early February. The newsletter presented a summary of *Reduce, Reuse, Recycle: A Connecticut Conference on Industrial Water Use*, organized by ConnTAP and sponsored by Connecticut DEP. Also in the newsletter were articles concerning: ozone treatment of cyanide-bearing wastewater; wastewater case studies; counter-flow rinsing in a bright-dipping operation; and an interview with Senator Cathy Cook of Connecticut, a member of the Connecticut General Assembly's Environment Committee.

ConnTAP Quarterly's 2,000+ subscribers received a two-page survey in the Summer 1995 issue. The intent of the survey was to determine if any changes to the newsletter were warranted to meet readers' needs. Survey

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results indicate that readers are pleased with the newsletter. The latest issue of *ConnTAP Quarterly* discusses the survey results.

For more information contact: Bob Brown, ConnTAP, (860) 241-0777.

Northeast States Pollution Prevention News

Northeast States Pollution Prevention News is published on a quarterly basis by the Northeast Waste Management Officials' Association's (NEWMOA) pollution prevention program, called the Northeast States Pollution Prevention Roundtable. It is provided free to the northeast states, EPA and other interested individuals. The newsletter is supported by funds from EPA-New England and Region II and the northeast states.

We appreciate hearing comments and suggestions on the newsletter from our readers. Write or call NEWMOA at the address on the cover of the newsletter. Please use the form at the back of this issue to request an address change or to add your name to the mailing list. We appreciate your cooperation in ensuring that we have your correct address.

MASSACHUSETTS

MASSACHUSETTS DEP:

Massachusetts Printers Partnership (MP2)

DEP has continued to work on the Massachusetts Printers Partnership (MP2), a joint project of DEP, Massachusetts OTA, U.S. EPA, and the printing industry. MP2 is designed to pilot a new approach to getting improved compliance and pollution prevention from an industrial sector comprised of many small companies. The program consists of focussed technical assistance and streamlined rules with a self-certification for actions taken. To date, the MP2 sponsors have conducted baseline inspections at printers and completed a workbook and accompanying self-certification statement

which lays out simplified facility-wide requirements and recommended pollution prevention options. MP2 workshops for printers are now underway. (Contact: Nancy Wrenn 617/292-5587)

New P2 Rules for Autobody Shops

This fall DEP issued new regulations for the autobody painting industry requiring many P2 techniques. Requirements include use of efficient high-volume, low-pressure (HVL) spray guns, self-contained gun cleaning equipment, and low VOC paint. (Contact: Rich Driscoll 617/292-5605)

DEP Wins Grant to do Innovative P2 Training for Staff

On October 24, 1995, Regional EPA Administrator John DeVillars officially awarded the Environmental Technology Initiative (ETI) grants to its New England recipients, including \$280,000 to DEP's Bureau of Waste Prevention (BWP). BWP will use these funds to develop and pilot innovative training for permit writers, inspectors, and program development staff on the use and promotion of pollution prevention technologies. This initiative will employ multi-media cross training, staff mentor programs, and industry partnerships to provide staff with continuous updating of skills. DEP is working with NEWMOA and the Massachusetts Toxics Use Reduction Institute to develop the ETI program, and the training provided under this program should start in mid-1996 and end by October 1997. (Contact Steve Edelheit: 617/292-5718)

DEP/TURA Has New Director

William Panos began his tenure as DEP's TURA Director in November of 1995. Mr. Panos brings extensive private and public sector experience in Pollution Prevention to the DEP. As the Manager of Safety and Environmental affairs for the TRW Automotive Electronics and the Environmental Advisor to the California State University system, Bill offers a broad perspective on pollution prevention to its stakeholders and customers.

The objectives and goals for the DEP/TURA program focus on the enhancement of a team approach in order to serve the needs of all of TURA's customers and stakeholders. Accordingly, DEP/TURA's goals include the following: 1. To continuously improve the

quality of pollution prevention work within DEP.
2. To build stronger relationships with OTA,

NORTHEAST WASTE MANAGEMENT OFFICIALS' ASSOCIATION (NEWMOA)

The Northeast Waste Management Officials' Association (NEWMOA) is a non-profit interstate governmental association whose membership is composed of the hazardous and solid waste program directors in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island and Vermont. NEWMOA is a forum for increased communication and cooperation among the member states, a vehicle for the development of unified positions on various issues and programs, and a source of research and training on hazardous and solid waste management and pollution prevention. NEWMOA's pollution prevention program was established in 1989 to enhance the capabilities of the state and local environmental officials in the northeast to implement effective source reduction programs. The program is called the Northeast States Pollution Prevention Roundtable (NE Roundtable). The NE Roundtable involves four components: (1) establishing a clearinghouse of information (2) conducting training sessions (3) researching source reduction strategies and (4) organizing NE Roundtable meetings and committee activities. NEWMOA's PP program is supported by grants from the U.S. EPA and by NEWMOA member states.

TURI, EOE, and DEP's regional offices. 3. To integrate pollution prevention into all DEP activities.

Under Mr. Panos, DEP/TURA will continue to improve activities it is currently implementing. DEP recently completed data entry and review of its 1994 data. One of the new features of the 94 data release was an analysis of the "core" chemicals. Future DEP/TURA tasks are the 1987 Base Line project measuring TUR reduction since that year, Plan Summary Updates, establishing User Segments, continued data assistance to TURI and OTA and to sustain DEP data improvements.

The second goal of DEP/TURA is to build more effective relationships with its partners in pollution prevention: OTA, TURI and DEP's regional offices. DEP/TURA has encouraged and participated in various forums to promote cooperation. In addition, DEP has requested and received participation from OTA and TURI in many of its activities. Finally DEP will strive to enrich its communication with the regulated community and the general public by addressing meetings of professional organizations and local Chambers of Commerce.

At a time when pollution prevention and performance based management is replacing "command and control" as the operating mode of Environmental Protection, Mr. Panos offers a wealth of experience to DEP.

For more information contact: Cynthia Barakatt, (617) 727-3260.

RHODE ISLAND

RHODE ISLAND DEM

Rhode Island DEM Pollution Prevention Program

Publications

Successful Rhode Island pollution prevention projects are continually being documented and added to our case study compendium; seventeen (17) new ones have been added this winter. Other recent publications include two "generic" packages on pollution prevention in nickel plating and copper plating.

Brown University Project

DEM's Pollution Prevention Program is currently assisting Brown University in conducting a hands-on course in industrial ecology. The course, "Clean Process Technology," was developed through a grant from the P2 Consortium of NE Universities. The course is designed to give students a broad exposure to the technical "tools" and issues involved in the formulation and application of pollution prevention technology using a team-oriented approach. Teams of students will focus on pollution prevention in specific industry sectors including: dry cleaning, hospitals, autobody and hospitality.

Marina Project

The RI Economic Development Corp. (EDC) and the RI Marine Trade Association (RMTA) recently completed a RI DEM pollution prevention grant project aimed at providing technical assistance to the RI marine industry. EDC and RMTA worked with 5 marinas and 5 boatbuilders in the state to develop source reduction recommendations for pollution prevention and waste stream mitigation. Results from this project were presented at a workshop for marinas and boatbuilders in January at Roger Williams University. (Results are also available in report form at RI DEM).

Governor's Award Nominations

RI DEM is currently seeking nominations for the biennial Governor's Award for Excellence in Pollution Prevention. Any person, company or organization in the state may apply or be nominated for the award. Winning projects will have achieved significant and practical reductions in the use, release or generation of toxic and hazardous materials. For more information on this award please contact the Pollution Prevention Program at (401) 277-3434 ext.4413.

For more information contact: RI DEM Pollution Prevention Program, (401) 277-3434.

VERMONT

VERMONT DEC

Environmental Assistance Division

The Division is participating with two Vermont facilities in the EPA-New England Environmental Leadership Project, and one facility that has been accepted to Project XL. One of the ELP projects involves IBM in Burlington which will work with the state and industry to promote the incorporation of P2 in the permitting process and developing training for DEC permit writers. The other project involves Fletcher Allen, the state's largest health care facility, which will provide outreach and assistance to its affiliated satellite facilities (medical offices and clinics) to promote best environmental management practices. The project also involves the development of a regional health care pollution prevention conference in FY 97. The Division is also working with IBM on an XL Project involving

wastewater and hazardous waste streams at the facility.

Two recent reports are available from the Division: 1996 Legislative Report of Pollution Prevention and Environment 1996, An Assessment of the Quality of Vermont's Environment.

The Legislative Report focuses on pollution prevention progress through Vermont's facility planning report. Environment 1996 is the state's report on environmental indicators.

The Division is planning pollution prevention workshops for the spring on the following topics: vehicle service and repair; wood finishing for smaller operations; coolant management for metalworking industries; marina owners and operators; and travel and tourism industry.

The Division has been exploring the feasibility of a statewide "green" business recognition/certification program. A pilot program to test the concept with a few business types may begin this spring. This pilot will be closely tied to a model facilities project with vehicle service and repair and printers that the state is undertaking through an EPA grant. We are exploring the concept of a two-tier recognition/certification program, with the first or lower level being along the lines of the Anchorage, Alaska Green Star Program and the second or higher level being a "model facility" of pollution prevention and environmental compliance. We would be interested in discussing business recognition certification programs with others in the region.

As part of the Vermont Clean State Initiative, the Division is coordinating an environmental assessment of the Agency of Natural Resources. The assessment report and recommendations for implementation are expected to be completed in July.

The Division has been working on securing a small business compliance assistance coordinator position to complement pollution prevention assistance. However, due to budget constraints, we have not been able to initiate the program to date.

In addition to efforts to explore and define ways to incorporate and integrate P2 into permits, the Division is working with an internal rules team to explore ways to incorporate

pollution prevention into department rules. If anyone has experience, especially with the latter, we would be interested to know.

For more information contact: Gary Gulka, VT DEC, (802) 241-3888 or garyg@wasteman.anr.state.vt.us.

EPA-NEW ENGLAND

The P2 Training Committee continues to stage monthly technical seminars and on industry and process specific issues. Call Abby Swaine at (617)565-4523 if you would like to receive faxed notice of these sessions, all of which take place at EPA's Boston office.

CSI

EPA-New England staff are working with Rhode Island metal platers, RI DEM, Narragansett Bay Commission officials and environmental group representatives to implement a CSI/MF 2000 project in Rhode Island. The project offers an alternative regulatory track to metal plating firms with good environmental records in exchange for increased environmental results. Among the highest priority issues developed by the group are: regulatory flexibility for new technology and new process lines; reduced reporting requirements; broader interpretations of existing regulations that would be consistent with other states; and economic incentives through reduced sewer rates and/or sampling requirements. A small workgroup is developing the project scope. The scope will be presented to the general workgroup in late March.

In late January, the electronics subcommittee settled on seven projects including, addressing RCRA barriers to CRT (cathode ray tube) recycling; hosting a national conference on the End-Of-Life (EOL) equipment recycling; piloting several residential EOL collection projects to analyze waste stream contents; and evaluating zero-discharge regulatory options for printed wire board makers. All these projects will have detailed workplans for review at the next meeting in March.

NEEAT: A Sampler of Recent and Upcoming Activities

Linda Darveau and Joan Jouzaitis are working with state technical assistance providers in New Hampshire on a model facilities project.

A free energy efficiency and pollution prevention assessment will be offered to a New Hampshire metal finisher and a printed wire board manufacturer. Also, a video will be produced that highlights pollution prevention solutions to environmental issues faced by metal finishers and printed wire board manufacturers. This is an opportunity for proactive New Hampshire companies to have their operations showcased.

Printing lead Sally Mansur and the Massachusetts Toxic Use Reduction Institute have been working with the printing industry to find ways to reduce the amount of solvents the industry uses. Printers taking part in a pilot program will be using a new vegetable oil-based, water-washable ink system that eliminates VOCs. The process has been developed and is being used by the Deluxe Corporation.

Municipality lead Jack Healey is working with the MA DEP permitting and training staff to develop an NPDES permitting course for municipal officials. The first workshop will be held on April 2 with more workshops to follow.

Staff from the Maine DEP and Jack Healey have developed an environmental awareness workshop for municipal managers and elected officials. The agenda is based on the results of a "needs survey" that was completed by municipal officials. The purpose of the workshop is to present municipal and elected officials with the environmental information they need to plan and budget, the benefits and importance of pollution prevention, and to increase their awareness of current issues. Workshops will be offered in: Lewiston - May 14; Bangor - May 15; and Presque Isle - May 30. Similar training is being planned for NH in June or July.

Under a \$10,000 grant, NEWMOA working with electronics & computer leads Christine Bonica and Andrew Miniuks, will identify and make recommendations to resolve environmental regulatory inconsistencies faced by printed circuit board manufacturers.

Roundtable discussions with the applicable parties will be held to identify issues and areas of concern. Also, workshops will be held in three New England states to provide information on environmental regulations, assistance programs, and pollution prevention technologies to printed wire board

manufacturers.

New Mail Code! When sending mail to Mark, Abby and other NEEATeam members, please use our new mail code: SPN.

AROUND EPA-NEW ENGLAND

IBM-Essex Junction, VT has been chosen to participate in EPA's Project XL, a program that offers regulatory flexibility allowing responsible businesses and communities to test innovative environmental strategies. Through Project XL, IBM will test an alternative treatment technology for isopropyl alcohol, a cleaning waste from its micro-chip manufacturing facility in Essex Junction. Isopropyl alcohol is one of several low toxicity cleaning agents used by IBM to replace chlorinated solvents in its manufacturing operations. Concentrated isopropyl alcohol, due to its flammability, is regulated under RCRA which prescribes treatment by incineration with a destruction efficiency of 99.9999%. The law allows for alternative technologies to be used provided that equivalent treatment results are achieved. IBM forecasts that treatment through its advanced on-site wastewater treatment facility will achieve a 99% destruction level. The VT DEC as well as leading Vermont environmentalists are working with EPA throughout this project.

P2 & EPA-NE GOES 'ROUND THE WORLD

EPA is undertaking a three-year technical assistance project in the City of Nizhnii Tagil, Russia to assist industries, the government and citizens in setting risk-based environmental priorities as well as implementing programs to address serious environmental and public health problems. A cornerstone of this project is to introduce pollution prevention strategies to the city's principal industries -- metal refining and Uralkhimplast (chemical). Andy Miniuks of the NEEATeam met with representatives from industry, the local government and Urals Polytechnic University in Nizhnii Tagil in February to design a pollution prevention training course for industry and municipal officials. The training is expected to be offered later this year. Nizhnii Tagil is a center of manufacturing and defense-related industries. The U.S. Agency for International Development is funding the project.

For more information contact: Abby Swaine,
EPA-New England, (617) 565-4523.

