



# NORTHEAST STATES POLLUTION PREVENTION NEWS

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THE NORTHEAST WASTE MANAGEMENT OFFICIALS' ASSOCIATION  
(NEWMOA)

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## INTRODUCTION

This spring, the Northeast Multi-Media Pollution Prevention Program (NEMPP) is revising its part of NEWMOA's three year strategic plan, based on comments received from NEWMOA member states, and is discussing funding options for projects in the plan. Also, NEWMOA is reviewing the re-draft of the Senate bill on RCRA Reauthorization (the "Baucus bill"). After a first reading, it appears that many of the measures and policy items suggested by the NEWMOA State Directors at our briefing in January with Congressional staffers were included in the new draft. These include a number of pollution prevention provisions.

A number of pollution prevention (PP) training programs are being developed. The first of two workshops to be sponsored by NEWMOA and the Tufts University Center for Environmental Management on pollution prevention for state regulatory personnel in Massachusetts is being planned for June 1992. NEMPP has also rescheduled its "PP Instructor Training" class for May 27-28 in Albany, NY.

We are looking forward to welcoming Terri Goldberg, the NEMPP Program Manager, back to NEWMOA in May 1992. Terri has been on leave since November 1991.

This edition of the Northeast States Pollution Prevention News features a wealth of information from New Jersey's DEPE, as well as information on the Suffolk County Water Authority's new source reduction program. So

be sure to read on for more details!

## NEMPP UPDATE

### Training Opportunities

The following is a list of the upcoming training opportunities for state PP staff:

- The Pollution Prevention Instructor Training for Region 2 state and EPA staff has been rescheduled. It will be held in Albany, NY, on May 27-28, 1992. Training is limited to 20 participants. Please call NEWMOA for more information.
- The Rhode Island DEM is sponsoring a two day state-wide pollution prevention conference in Warwick RI, at the Inn at the Crossings, September 30 - October 1, 1992. Call the Office of Environmental Coordination for more information at (401) 277-3434.

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- Tufts University's Center for Environmental Management and NEWMOA are sponsoring a one-day PP training course for managers at Massachusetts DEP on June 11, 1992. Please call NEWMOA for more information.

#### **Reports Available**

The final report of the Recoverable Resources/Boro Bronx 2000, Inc. (R2B2), feasibility study on consumer dry cell battery recycling, sponsored in part by NEWMOA, NERC, and the NY State Department of Economic Development, was completed in March 1992. Please call NEWMOA for information on obtaining copies of the report.

The New England Interstate Environmental Training Center (NEIETC) has available a new PP outreach booklet. The booklet was designed for the dry cleaning industry by EPA Region I's Groundwater Program. The booklet contains case studies, a self-audit checklist, and a list of Region I state regulatory and non-regulatory programs. A second booklet for the auto repair industry will be completed soon. Please call NEIETC at (207) 767-2539 for more information.

#### **Clearinghouse Networking Committee**

A NEMPP subcommittee, formed to discuss methods of linking and sharing information among the various Information Clearinghouses in the Northeast states and EPA, has met twice recently. The subcommittee met in March to discuss and better define its needs and goals. The second meeting was held in April at the Rhode Island DEM's office to learn about their PP information clearinghouse and to discuss options for networking the clearinghouses based on results of a survey on individual program computer capabilities and library formats. The subcommittee hopes to meet in June with technical consultants and librarians to develop options for meeting its near-term goal of developing a low-cost library network.

#### **TUR/PP Planning Committee**

The TUR/PP Planning Committee held a

conference call on April 10, 1992. Participants from six of the Northeast states updated each other on their approaches to developing guidance for facilities on Toxics Use Reduction (TUR)/PP Planning, and to exchange general program information. The group decided that it will pursue development of a general TUR/PP Planning document that many states could use for guiding facilities or for training purposes. The group also decided to discuss its status again in about six months.

#### **Research Update**

Last summer, NEWMOA collaborated with a group of graduate students at Tufts University on research concerning "Toxic Metals in Hospital Wastes". A draft report from this research has been completed and circulated for comments, and is currently being edited for final release.

NEWMOA was asked to participate in this graduate research program again this year. The Tufts Hazardous Materials Management Program students will develop a technical report on waste reduction, reuse, and recycling options for waste paint from households and small businesses.

## **CONNECTICUT**

### **CONNECTICUT DEP**

#### **Outreach**

On March 3, 1992, more than 200 business people, including environmental and plant managers from companies throughout Connecticut, attended "Environmental Regulatory Issues for Connecticut Industry," in Farmington. The day-long conference, sponsored by the Connecticut Department of Environmental Protection (DEP) and the Connecticut Business and Industry Association, focused on pollution prevention topics including air, water and land issues.

Many DEP staff spoke on emerging environmental regulatory issues. Key speakers,

DEP Commissioner Keeney, and Searle Field, Deputy Commissioner of the state's Department of Economic Development, emphasized their commitment to building a partnership with industry toward reducing pollution in the state. To achieve this, the state may utilize streamlined permitting, pollution prevention outreach and financial assistance to those businesses striving to reach long term source reduction of waste generated in their business activities.

#### **BMP's for Pollution Prevention**

DEP is finalizing a Guidebook of Best Management Practices for activities and land uses that pose a risk to the environment from a variety of small businesses. This publication provides guidelines for land use in the state that will ensure the highest level of protection against pollution of Connecticut's land, water, and air as well as preventing adverse impacts to public health. DEP hopes that dissemination of these guidelines and their implementation will result in significant reductions, and in some cases, elimination of pollution. A final draft of the guidebook will be available for public distribution in June, and will cover the following types of businesses:

- gas stations
- dry cleaners
- appliance/services
- furniture strippers
- printers
- photographic processors
- medical industry
- veterinarians
- funeral homes
- beauticians
- machine shops
- welding shops

**For more information on contact:** Liz Napier, CT DEP, (203) 566-5217.

#### **CONNATAP**

##### **Site Visit Program**

Five site visit representatives have been hired to conduct on-site waste minimization

audits. All representatives are retired industry professionals. Site visits began on March 11, 1992. Contact Jim Sweet for more information.

#### **Training**

ConnTAP will be hosting a "CEO Breakfast". The breakfast meeting will promote the benefits of pollution prevention to upper managers. Speakers invited to attend include Lowell P. Weicker, Jr., Governor of Connecticut, and Frank McAbee, President of United Technologies Corporation (UTC), the state's largest private employer. The breakfast is scheduled for May 14, 1992. Contact Andrew Vecchio for more information.

#### **WRITE Grant**

Three additional projects have been approved by EPA to participate in the Waste Reduction Innovative Technology Evaluation (WRITE) program. The Torrington Company, Torrington, CT, has received approval of two projects. The company will conduct pilot projects to evaluate the effectiveness of chromium and cadmium recovery/reuse systems for their plating processes. Quality Rolling & Deburring Co., Thomaston, CT, will evaluate a vacuum distillation process for chromium recovery/reuse in a chromating plating line. For more information, contact Sumner Kaufman at (508) 420-1498.

#### **Publications**

General Dynamics-Electric Boat division, Groton, CT, recently completed an Empty Container Management document as part of its 1991 Matching Challenge Grant. The goal of the manual is to aid Connecticut companies in reusing (instead of disposing) empty containers that once held hazardous chemicals. The document contains information on establishing a policy for returning empty containers; provides procedures for enacting the policy; and includes a review of DOT and EPA regulations governing the reuse of containers. To receive a free copy, contact Barbara Barbieri.

## **Personnel**

Domenic Forcella has been appointed as the new Chairman and Executive Director of the Connecticut Hazardous Waste Management Service, the parent organization of ConnTAP. Mr. Forcella was previously employed with the National Governors' Association (NGA).

**For more information contact:** ConnTAP staff at (203) 241-0777.

## **MAINE**

### MAINE DEP

#### **TUR Guidelines**

Guidelines for toxics use reduction plans have been drafted by the Maine Department of Environmental Protection (DEP) and will be finalized in early April. The draft guidelines were presented to attendees of a conference held by DEP and the University of Maine on March 11 in Waterville, that included an invitation for the attendees (approximately 80) to offer comments on the draft. Most of the comments to date on the guidelines have come from the Toxics Reduction Advisory Committee. DEP's goal is to distribute the guidelines by mid-April.

#### **Legislation**

The Energy and Natural Resources Committee of the Maine State Legislature recently reported out of committee on a bill affecting the DEP. The bill received unanimous committee approval and will likely receive approval from the full legislature. One component of the bill authorizes the DEP to establish a Technical Assistance Program under the direction of the Office of Pollution Prevention. While modelled after the requirements contained in Section 507 of the Clean Air Act Amendments, this assistance program is designed to cover all media (not just air) and is for any member of the regulated community requesting assistance (not just small businesses). The assistance will emphasize pollution prevention.

The Toxics Reduction Advisory Committee has been renamed the Pollution Prevention Advisory Committee, and its scope expanded beyond the Toxics Use Reduction Program to include providing assistance on the Technical Assistance Program.

**For more information contact:** Mick Kuhns, ME DEP, (207) 289-2811.

### UNIVERSITY OF MAINE

On March 11, DEP and the University of Maine held a pollution prevention conference in Waterville entitled, "Toxics Use Reduction: Challenge to Maine." Approximately 80 people from Maine businesses attended the conference. The Toxics Reduction Advisory Committee, which assisted in planning the conference, will meet on April 29th. Topics of discussion will include establishing a scholarship fund for small businesses, a proposal for an intern program, a conference on PP for the auto maintenance industry next fall, and other industry-specific workshops.

**For more information contact:** Nick Houtman, University of Maine, (207) 581-1490.

## **MASSACHUSETTS**

### MASSACHUSETTS DEP

#### **Compliance PP for Automobile Services**

In May 1992, four seminars will be held throughout Massachusetts for the automotive service and vehicle fueling industry. "Full Tuneup, No Shocks" will answer a wide range of questions for attendees, from underground storage tanks to recycling to Stage II vapor recovery. The four one-day seminars will provide regulatory and non-regulatory information, and will demonstrate how by updating facilities, service station owners can improve their profitability while protecting the environment. For registration information, call the Massachusetts Department of Environmental Protection (DEP) at (617) 338-2255.

## **TUR Planning**

Massachusetts DEP has completed its regulations on Toxics Use Reduction Planning. The regulations were promulgated in April 1992.

**For more information contact:** Susan Peck, MA DEP, (617) 292-5870.

## **MASSACHUSETTS OTA**

### **New Staff**

Much time was spent this winter at the Office of Technical Assistance (OTA) on interviewing and hiring scientists and engineers to work in the technical services division at OTA. There are now three people covering each of the five regions of the Commonwealth. The new staff will enable OTA to handle requests for on-site assistance in greater detail and with faster response time.

### **PP for Sewage Treatment Facilities**

OTA members presented information at two EPA workshops on the office's two sewage treatment facility programs - the Critical Parameters project and the Merrimack River project. The Critical Parameters project will be forging new directions by addressing situations where single industries are impacting substantially on small sewage treatment plants, and also by addressing residential and nonpoint source inputs to treatment works. The Merrimack project work now entails the development of workshops for dischargers in the printed circuit board, machine shop, and electroplating industries, as well as covering new ground in workshops focussing on oil and grease and water conservation. As part of a series of presentations to sewage treatment officials hosted by the North East Interstate Environmental Training Center, OTA developed a pollution prevention training exercise to instruct in how to recognize pollution prevention opportunities while examining a process. The presentations also covered various approaches to encouraging pollution prevention activities by dischargers.

## **Cost Accounting Workshop, Video, Training**

OTA can make available a video of a Central Massachusetts Pollution Prevention project workshop in Worcester on cost accounting of toxics use reduction activities. Beside making a number of presentations to bankers and other government agencies on the financial evaluation of pollution prevention projects, OTA's financial analyst is planning a financing fair that will bring together seekers and sources of funding. The Central Mass. project is now engaged in selecting a contractor to perform a follow-up survey on the companies that have worked with OTA in the Central region. Because there were so many requests for further information on OTA's Solvents Bazaar last fall, where vendors of solvent alternative demonstrated the cleaning of soiled parts brought to the bazaar by attendees, OTA has published a report on how to set up and conduct such an event.

### **Multi-Media Inspection Training**

In the Southeast, Northeast, and Western regions, OTA members have met with Department of Environmental Protection (DEP) officials to assist in toxics use reduction and multimedia inspection training. OTA has also performed the same function for EPA Region I, explaining how pollution prevention opportunities are recognized and promoted, and how technical assistance is provided.

### **Outreach, Other Activities**

OTA also held several workshops for the legal community this winter, through both the Boston Bar Association and Massachusetts Continuing Legal Education. In addition to discussions of nonpoint source pollution, water supply issues, and Toxicity Reduction Evaluations required by the Clean Water Act, staff explained how OTA assisted the Fall River sewage treatment facility in writing compliance schedules which required textile companies to investigate pollution prevention before committing to treatment strategies, and the new requirements of the Toxics Use Reduction Act (TURA).

OTA members have addressed associations of tribologists, industrial hygienists, industrial parks, bankers, small businesses, pulp and paper companies, and others. In the Western region, companies have been enlisted to serve on an advisory committee. OTA is finalizing, with substantial input from industry, environmental, and other reviewers, a manual on how to accomplish toxics use reduction.

Other work in progress includes planning for workshops on adhesives, coatings, and a pollution prevention "fair" for the general public, a project with the Massachusetts Water Resources Authority on small dischargers, a series of workshops with DEP's new Compliance Assistance Team for auto service facilities, and a series with DEP on TURA filing. In addition, OTA is preparing presentations at numerous other meetings and conferences, including the New England Environmental Expo (April 30), the National Electronic Packaging and Production Conference (June 17), and EPA's workshop for New England Federal Facilities (May 7).

**For more information contact:** Rick Reibstein, MA OTA, (617) 727-3260.

## TOXICS USE REDUCTION INSTITUTE

### **Education and Training**

The Toxics Use Reduction Planner training course is being offered this spring at the Toxics Use Reduction Institute at the University of Lowell and at Worcester Polytechnic Institute. During the winter the course was modified slightly to based on input obtained during the fall 1991 pilot. The course is being offered in March-April and May-June at both Worcester and Lowell. For applications to either the Worcester or Lowell course, contact Mark Griffon at (508) 934-3260.

### **PP in the Pulp & Paper Industry Curriculum**

This joint project with Massachusetts Corporation for Educational Telecommunications

began in October and is partially funded by the US EPA and US Department of Education. The project, which will introduce middle school children to the industrial world of paper production and recycling, will have two phases. The first phase will involve curriculum development, and the second phase will see the incorporation of the curriculum into schools. Currently the project is in the curriculum development phase.

### **Design for the Environment Conference**

The first annual "Conference on Design for the Environment" will bring together leaders in the field of design for the environment. The focus of the conference will be on product design and process engineering that leads to pollution prevention. Currently a planning committee consisting of governmental officials, industry, and academia have been working on the agenda for the conference. The conference is to be held in late spring of 1992.

### **Research**

The Institute is currently working on a number of research projects and recently completed the Toxics Use Reduction Research Directory.

- **The Toxics Use Reduction Research Directory** was recently completed by the Institute and is now available to the public. The Directory is a compilation of national and international organizations that perform or sponsor toxics use reduction research projects. The listing is limited to organizations whose findings are publicly available. Each entry includes a general description of the organization and research projects performed by the organization. The Directory will be periodically updated by the Institute.

- **Surface Cleaning Laboratory.** The Institute is in the process of setting-up a research and testing laboratory that will concentrate on cleaning methods and chemistries. One focus area of the laboratory will be the evaluation of aqueous-based cleaning systems. Many companies are developing aqueous-based cleaning systems as "safe" alternatives to

hazardous solvents. The laboratory will evaluate the effectiveness of different cleaning chemistries and equipment on a variety of substrates and soils.

- **Toxics Use Reduction Matching Grants.** The Institute is in the process of developing and issuing a request for proposals to Massachusetts industries on receiving matching funds for feasibility studies or implementing toxics use reduction techniques. The purpose behind TUR Matching Grant Program is to use industry expertise to examine and develop toxics use reduction techniques that are applicable to other Massachusetts industries. Grant awards will range from \$5,000 to \$25,000 and companies are required to make a dollar for dollar match. The grants will be awarded by September 1992.

- **Substitution Studies.** The Institute is in the process of identifying toxic chemicals and products used in Massachusetts that will be the subjects of substitution studies. Each study will identify the processes or products that a chemical is used in (in Massachusetts), the substitutes available for each of those processes, and the potential problems associated with each substitute. Substitutability will be dependent on economic and technical criteria. Materials under consideration for study include cadmium, lead, glycol ethers, methyl ethyl ketone, trichloroethylene, soaps and detergents, dyes and inks, and non-solvent-based paints.

For more information contact: TURI staff at (508) 934-3275.

## **NEW HAMPSHIRE**

### NEW HAMPSHIRE DES

The following is a summary of PP activities in which the New Hampshire Department of Environmental Services (DES) has been involved:

- In December 1991, Rick Reibstein of MA OTA participated in a meeting at DES regarding the relationship of the regulatory RCRA program with the non-regulatory pollution prevention technical assistance program. Rick gave the participants an important perspective on the

"Massachusetts experience" in this area.

- PP staff worked with hazardous waste reporting staff to continue to collect hazardous waste reduction information in the NH hazardous waste annual activity reports. The NH reports were customized in 1990 to match the data collected in the EPA Biennial Reports.

- In December 1991, DES PP program staff performed a site visit at a NH cabinet manufacturer. Three volunteer retirees were involved in the walk-through.

- NH CAP/PP staff had a meeting with the Regional Capacity Assurance Contractor regarding potential Hazardous Waste Reduction Activities for the Regional Capacity Assurance Group, the development of a NH-specific Pollution Prevention tracking and accounting system, and the NEWMOA Shortfall Project.

- PP staff gave a presentation on hazardous and solid waste management at the Barrington Elementary School Teacher's Workshop.

- In January, PP staff were invited by MA OTA to perform a joint waste reduction walk-through at a custom spray painting shop.

- In February, another meeting was held with the Regional CAP consultant to discuss the NH PP tracking project and the NEWMOA Shortfall Project.

- NH submitted its February 1992 hazardous waste Capacity Assurance Plan to EPA. A major portion of the report focused on current and upcoming PP activities.

- In February, PP staff attended and gave a short presentation at the New England Interstate Environmental Training Center's (NEIETC) seminar on Pollution Prevention for Industrial Pre-treatment personnel.

- PP staff attended the EPA 33/50 conference and participated in a short update meeting on the Merrimack Project.

- The DES PP program brochure was printed in March.

- PP staff participated in a series of 7 hazardous waste management seminars coordinated through the NH Hazardous Waste Compliance Bureau and the NH Business and Industry Association. Although primarily regulatory in scope, NH PP staff presented the importance of pollution prevention and the specifics of setting up a pollution prevention program within a company.

- In March, NH PP staff conducted a site visit for a small printed circuit board manufacturer.

The shop was already employing a number of pollution prevention techniques and no additional opportunities were apparent.

- As a result of the NEIETC Industrial Pretreatment/PP seminar, NH PP staff received two requests for information based on referrals from pretreatment staff that had attended.
- PP staff spoke to junior high students on recycling and pollution prevention.

For more information contact: Vince Perelli, NH DES, (603) 271-3503.

## **NEW JERSEY**

### **NEW JERSEY DEPE**

#### **Public Workshops for Pre-Proposal**

The New Jersey Department of Environmental Protection and Energy (DEPE) held two public workshops in March to discuss policy and technical issues that will impact the development of regulations pursuant to the Pollution Prevention Act (NJSA 13:1D-35 to 50 and 34:5A-1). The full pre-proposal appears in the January 21, 1992, New Jersey Register.

Policy issues addressed in the pre-proposal include criteria for grouping sources or processes, and incentives to encourage facilities to set aggressive pollution prevention goals. Other issues for discussion include standardized reporting of pollution prevention plan summaries and progress reports, criteria for identifying production processes requiring plan revisions, input-use exemption reporting, and criteria for adding new hazardous substances to the list of regulated chemicals.

A second pre-proposal summarizing comments and points raised in discussions of the first pre-proposal will be published in the New Jersey Register in May 1992. DEPE will hold another public workshop to provide an opportunity for regulated facilities and environmentalists to comment. For information regarding this workshop, contact Debra Milecofsky, Office of Pollution Prevention, at (609) 777-0518.

#### **Governor's Award Program**

The Office of Pollution Prevention (OPP) received applications for the 1992 Annual Governor's Award for Outstanding Achievement in Pollution Prevention. The awards program was established in 1990 to provide recognition to companies, non-profit groups, public entities, educational groups and individuals for excellence in practicing and promoting pollution prevention through source reduction. A new category was also added this year to recognize DEPE employees for proactive initiatives in promoting multi-media pollution prevention.

Winners will be announced in early April. The Governor will present all awards at a ceremony in late April to coincide with Earth Week celebrations.

#### **Appointments to Advisory Board**

The Senate confirmed two members to the Pollution Prevention Advisory Board. Dorothy Bowers, Executive Director of Environmental Resources at Merck and Company, Inc., in Rahway was confirmed as the large business representative. Ms. Bowers holds a B.A. in Chemistry from the University of Buffalo and a B.S. in Chemical Engineering from the University of Washington. She has been with Merck since 1974 and has extensive multi-industry experience in environmental technologies and regulatory programs.

Mr. George Korfiatis was also confirmed to the Advisory Board as a representative from an academic institution. Mr. Korfiatis holds an M.A., M.S. and Ph.D. from Rutgers University in Civil and Environmental Engineering. He is currently a professor of civil and environmental engineering at the Stevens Institute of Technology and is the Director of the Stevens Center for Environmental Engineering.

#### **TAP to Receive Annual Funding**

OPP and the New Jersey Technical Assistance Program (TAP) have entered into a contract to provide the TAP with \$200,000 annually for three years to provide technical



assistance in pollution prevention to small businesses. The Pollution Prevention Fund established under the New Jersey Pollution Prevention Act is the source of this funding.

The TAP was established in April 1990 to provide technical assistance to small businesses to assist in reducing the use and generation of hazardous substances. Housed at the New Jersey Institute of Technology in Newark, the TAP operates within a university setting and is overseen by an advisory board with representatives from industry, academic institutions and government. For the first two years of the program, the TAP was funded through federal grant sources which have recently expired. The TAP will receive annual allotments of \$200,000 from the Pollution Prevention Fund for each of three years.

#### **Hampshire Research contracted for Training**

DEPE and Hampshire Research Associates have entered into a contract to develop a pollution prevention training program for OPP staff and departmental permit writers. Permit writers will be introduced to pollution prevention concepts and approaches as distinct from end-of-pipe treatment and control techniques. These skills will be used to write individual permits that incorporate pollution prevention provisions into single media permit conditions.

#### **Agreements for Facility-Wide Permit Pilot**

DEPE Commissioner Scott Weiner signed Memoranda of Understanding (MOU) with three volunteer facilities for the pre-pilot facility-wide permitting project. The MOUs address the cooperative and voluntary nature of the pre-pilot program and establish the policy and technical issues to be explored in this initiative.

The pre-pilot was kicked off in March 1991 with three New Jersey facilities, Sybron Chemical, Schering Plough Pharmaceuticals, and Fisher Scientific. For the past year, the facilities have performed preliminary technical work under the guidance of a multi-media permit team

supervised by Steven Anderson of the Office of Pollution Prevention. The preliminary work includes performing mass balances, identifying potential pollution prevention options and grouping production processes.

Lessons learned in this project will shape the Department's formal pilot program for facility-wide permitting mandated under the New Jersey Pollution Prevention Act (13:1D-35 to 50 and 34:5A-1). The purpose of this pilot as described in the Act is to test ways of integrating single media permits for individual facilities with pollution prevention provisions established in the permit conditions.

#### **PP Topics Published in Research Agenda**

Three pollution prevention topics were listed in the Department's Research Agenda for FY92. The Research Agenda identifies research priorities that reflect the environmental and public health priorities of the Department and the citizens of the State. This process invites interested contractors and academic institutions to submit proposals that meet the Department's research needs.

The three Research Agenda topics in pollution prevention are: (1) Assessment of Pollution Prevention Progress at NJ Industrial Facilities; (2) Assessment of Existing Incentives/Disincentives and Potential Incentives to Pollution Prevention in the NJ Tax Structure; and (3) Determination of the Effectiveness of Existing Chemical Bans and Development of a Methodology to Evaluate the Impacts of a Chemical Sunsetting Policy.

**For more information contact:** Steve Anderson, NJ DEPE, (609) 777-0082.

#### **NEW JERSEY TAP**

##### **Program Renewed**

The January NJTAP Advisory Board meeting ended with agreement regarding the content and budget for a three year, \$600,000 contract with DEPE. The formal application is

under review at DEPE.

### **Metal Finishing Project**

The work with Bergen County Utility Authority metal finishers is underway, with seven businesses volunteering for the project. The contract is managed at DEPE by Mike Aucott of OPP.

### **Pigment Manufacturer**

A meeting was held to identify parameters which will be looked for in assessing a NJ pigment manufacturer's waste stream. A sample is being run using HSMRC equipment and personnel to establish a baseline from which process optimization measures can be developed. Abe Reife, a semi-retired dye chemist formerly with Ciba-Geigy is assisting the company in tightening their process. Mr. Reife has worked with NJTAP on numerous occasions, primarily with the textile dyeing and the finishing industry.

### **Voc-Ed Project**

EPA has awarded \$10,500 from the 2% Set Aside program for further development of the Vocational Environmental Education Program. Other funding comes from the third round of EPA Pollution Prevention Incentives for States grants. Curriculum development and delivery of two pilot projects is being worked on by NJTAP, NJ Department of Education, NJ Department of Environmental Protection and representatives of industry.

For more information contact: Kevin Gashlin, NJTAP, (201) 596-5864.

## **NEW YORK**

### **NEW YORK DEC**

#### **Hazardous Waste Reduction Plans**

Providing technical assistance, Hazardous Waste Reduction Plan (HWRP) review, and site visits continue to take up most of the New York Department of Environmental Conservation's

(DEC) staff time. Progress has been steady and the review of the plans received in the first year of DEC's program continues on schedule.

### **Multi-Media Checklist**

The state's inspection program has been widely accepted for trial in Region 4 DEC. Checklist revisions are being made as comments come in each time it is used. Guidance documents are being prepared and training of all regional staff will begin by this summer.

### **PP Regulations -- Part 378**

Comments continue to come in on DEC's draft regulations. A meeting between environmental groups and the state's Business Council members was productive.

### **Waste Reduction in the Electronics Industry**

A supplement to the NY "green book" was published covering the Electronics Industry.

Workshops to promote hazardous waste reduction and recycling in the electronics industries were held at four locations across the state in March. Commissioner Thomas C. Jorling in announcing the conference said, "In addition to leading to a cleaner safer environment, these workshops will assist the operating personnel of electronics industries in cutting costs by reducing the volume of their hazardous wastes. The workshops also provide a forum for the discussion of issues and problems common to the industry."

### **Pollution Prevention Conference**

The state's fifth annual pollution prevention conference is scheduled for June 2 and 3, at the Desmond Americana in Albany, NY. The conference is co-sponsored by the NY DEC and the Business Council of New York State, Inc. Limited exhibit space is available. For more information, contact NY DEC, Bureau of Pollution Prevention, at (518) 457-6072 or 1-800-462-6553 (NY only).

For more information contact: Dennis Lucia, NY DEC, (518) 457-6072.

## ERIE COUNTY PP PROGRAM

### **Training Completed**

The Erie County Office of Pollution Prevention (OPP) conducted workshops and presentations for printing, electroplating, painting contractors, vehicle maintenance industries, foundrymen and the County Highway Department. OPP has just begun an in depth series of training sessions with management and personnel at a drum reconditioning facility. OPP plans to conduct workshops and presentations for the dry cleaners, educational institutions and metal manufacturers in the near future.

### **Great Lakes Expo**

In November, OPP will cosponsor the 1992 Lower Great Lakes Waste and Recycling Exposition. Over 6,000 businesses, from OPP's database, will be invited to attend industry-specific pollution prevention presentations and discover the various pollution prevention opportunities available to them.

### **Future Training**

The OPP program intends to establish training programs for waste management employees of educational institutions and POTW inspectors. OPP will train the Safety Risk Management Department of the Board of Cooperative Education Services (BOCES) to identify and implement pollution prevention techniques in every waste stream found in educational institutions. A proposal will be submitted to the EPA Great Lakes Program for assistance to develop a pollution prevention program working with local POTW officials and industrial pretreatment inspectors. This program would involve training the inspectors to identify pollution prevention opportunities during their routine industrial inspections. In August, OPP initiated an Agricultural Pollution Prevention Program. The training element of this program will focus on Best Management Practices training

for farmers and agribusinesses.

### **Outreach**

Pollution Prevention presentations have been given for the staff of Western New York Economic Development Corporation and Erie County Industrial Development Agency to provide financial assistance officers with an understanding of pollution prevention and the opportunities which exist for companies which are expanding, relocating or building new facilities.

### **Local PP Efforts**

Erie County is in the process of implementing mechanisms to get local government involved in pollution prevention. Areas of training identified for this effort include POTW pretreatment inspectors, building inspectors, refuse inspectors, and local university professionals and graduate students. Erie County is also responsible for managing environmental compliance for all county government facilities and departments. Department by department compliance and pollution prevention is also being planned.

**For more information contact:** Thomas Hersey, Erie County OPP, (716) 858-7674.

## SUFFOLK COUNTY WATER AUTHORITY

The Suffolk County Water Authority (SCWA) has established a Source Reduction Program to provide technical assistance to business and industry in Suffolk County, NY. The program's emphasis is on waste reduction and waste management. The program objectives are to reduce the quantity and toxicity of wastes generated. SCWA is a non-regulatory organization and its services are free and confidential.

The types of assistance that SCWA can provide include:

- serving as a clearinghouse for technical information regarding waste minimization

technologies,

- disseminating relevant information to various businesses and trade organizations,
- providing information and recommendations to assist in evaluations of the economic and technical viability of the various technologies available in source reduction, and
- providing assistance in locating qualified commercial contractors and consulting firms.

For more information contact: Pierre Delice, SCWA Source Reduction Program, (516) 563-0308.

## **RHODE ISLAND**

### **RHODE ISLAND DEM**

#### **PP Conference**

Amid heavy on-site assessment activity by the Rhode Island Department of Environmental Management (DEM), work is continuing on planning a state-wide Pollution Prevention Conference. The conference, to be held at the Holiday Inn at the Crossings in Warwick, will feature technical sessions for solvent users, metal finishers, and the textiles and painting industries. While speakers for the two-day conference are still being finalized, notices have gone out to vendors of pollution prevention technologies and products seeking their participation.

#### **PP Clearinghouse**

A meeting of the NEMPP subcommittee on PP Information Clearinghouse Networking was held recently at Rhode Island DEM's offices. The meeting's participants were treated to a "show and tell" on Rhode Island's computerized PP library and were given a tour of the hard-copy organization system by DEM staff.

For more information contact: Richard Enander, RI DEM, (401) 277-3434.

## **VERMONT**

### **VERMONT DEC**

#### **PP Planning Guidance**

In April the Pollution Prevention Division will be coming out with its planning requirements and guidance manual for those facilities that have to complete toxics use reduction and hazardous waste reduction plans starting in 1993.

#### **Technical Assistance Program**

The state will be initiating a retired engineers on-site technical assistance program in the summer or fall of this year.

#### **PP for Vehicle Maintenance Industry**

The Pollution Prevention Division is planning a vehicle service pollution prevention campaign. Educational materials and a series of five workshops around the state will begin in the fall.

For more information contact: Gary Gulka, Pollution Prevention Division, (802) 244-7347.

## **EPA REGION 1**

### **Strategic Planning**

PP Workplan writing teams in each Region I Division and Office are nearing completion on the first drafts of their PP Workplans for FY93, which collectively will devote 15% of Regional resources to PP. This process and the training that accompanied it seem to have succeeded in exponentially increasing familiarity among staff and managers with PP concepts and issues. Coordinating cross-media initiatives in areas of mutual interest has proven to be the most challenging aspect of this endeavor, although several important cross-media projects are emerging.

## **New England Pollution Prevention Council**

Subsequent to its October 1991 Pollution Prevention Transportation Forum, the NEPP Council is exploring ways to support the development of a comprehensive regional transportation plan that considers environmental priorities on equal footing with other goals. Other groups in New England have formed since the Forum to pursue regional transportation planning, although they vary in the degree and type of attention they give to environmental factors. The Council also plans to develop and deliver to a wide variety of audiences (business, government, public) a motivating presentation on transportation ramifications of the Clean Air Act.

### **Training**

The NEIETC (New England Interstate Environmental Training Center) has completed four field training seminars for industrial pretreatment staff throughout New England. Region I provided support in the form of funds and speakers. This successful training revealed that most pretreatment staff are very interested in providing PP information and technical assistance to their contributing industries and municipalities. However, pretreatment facilities face the same resource constraints and conflicts over the relationship between their regulatory and potential technical assistance roles that many states and EPA also face.

About two hundred Region I staff attended Pollution Prevention Awareness Seminars during January and February. The purpose of these morning-long basic orientation sessions was to establish a baseline understanding of PP among all staff. Last summer and fall, all managers and teams writing PP workplans for FY93 received training.

### **33/50 Program**

On February 25 and 26, Regions I and II sponsored a two-day 33/50 conference. Approximately 65 people attended, including state 33/50 coordinators, TRI coordinators and pollution prevention staff, as well as Region I water, air and waste division staff. A wide

variety of speakers discussed the 33/50 program and EPA and state pollution prevention initiatives, and both afternoon sessions provided hands-on training on PIES and TRI.

Region I 33/50 staff continue to take every opportunity to advertise the 33/50 program to potential participants in Region I. Please contact Dwight Peavey (617-565-3230) if you see an opportunity to include a 33/50 speaker in an event you are planning.

### **Outreach - General**

On March 16, Region I forwarded its nominations for the 1991 EPA Administrator's Awards Program to Headquarters. This year, the awards showcase achievements in pollution prevention. Region I received 84 nominations in five applicant categories, and we entertain strong hopes for national recognition!

Beginning in January, Region I will hold two "roundtable" meetings with each New England state to obtain input on EPA's criteria for comprehensive state ground water protection programs. States will be encouraged to feature pollution prevention methods in their protection plans.

Region I Administrator Julie Belaga visited Merrimack College in North Andover, MA, for a demonstration of microscale chemical laboratory techniques, an important tool for pollution prevention. Merrimack College is a leader in developing glassware and text books on microscale chemistry for organic and inorganic labs. Microscale chemistry accomplishes pollution prevention in several ways: reduces chemical use by up to a factor of 2000; reduces exposure to toxic chemicals; decreases hazardous waste generated substantially; creates large savings in operational costs for laboratories, due to decreased chemical, glassware, insurance, energy and waste disposal costs; and fosters a pollution prevention ethic among faculty and students.

## Enforcement

Region I recently reached an EPCRA violation settlement with M&V Electroplating of Newburyport, MA in which the company will undertake a supplemental environmental project worth more than \$8,000 to replace solvent-based vapor degreasing units in its two electroplating facilities with an alkaline soak cleaner, eliminating the use of 1,1,1-trichloroethane.

During the Region I Federal Facility program's multi-media inspection of Fort Devens January 27-28, the program stressed PP concepts in the briefing session, and provided the base with a packet of written information on PP. All Region I multi-media inspections of Federal Facilities use this procedure.

As part of a settlement with EPA Region I for an EPCRA/313 complaint, Eyelematic Manufacturing Company of Watertown, CT, will install an on-site waste coolant recycling and recovery system. In the first year of its operation, the system will reduce the amount of waste oil- and water-based coolants generated by the facility by at least 50%. Eyelematic will spend over \$75,000 for the project in exchange for a penalty reduction of about \$15,000.

## Grants

The Region I Solid Waste & GIS Section recently awarded a \$90,000 cooperative agreement to the Vermont WasteCap office to set up a tri-state (Maine, New Hampshire and Vermont) technical assistance program for waste generators. Volunteer teams comprised of individuals from the business, academic and governmental sectors who have waste management experience will make site visits to requesting businesses to assess their waste reduction opportunities. Technical workshops will also be offered.

## Information Services

The Research Library for Solid Waste, located in Region I's Waste Management Division, offers its services to anyone in search of information on nonhazardous solid waste,

recycling, technological developments, case studies and programs. The library's collection focuses on New England, but also includes national and international information. Call (617) 573-9687 for details.

**For more information contact:** Abby Swaine, EPA Region 1, (617) 565-4523.

## EPA REGION 2

The first monthly meeting of Region II's pollution prevention inter-divisional workgroup (PPIW) was held on March 10.

On March 17, a pollution prevention briefing for the Regional Administrator was held. In addition to a national and regional overview, four regional programs were highlighted:

- The pre-pilot project, in cooperation with NJ, to develop a facility-wide, multi-media permit for NJ facilities.
- The Caribbean Distinctive Habitats Initiative.
- The waste minimization audit at the US Post Office in Buffalo.
- Region II's implementation of the 33/50 Program.

Communication with HQ and Waste Reduction Institute for Training and Applications Research (WRITAR) has intensified in an effort to confirm dates for in-house pollution prevention training for Region II staff. The following in-house pollution prevention training events are planned for early summer:

- Train the Trainer
- General PP Training for NPDES Permit Writers
- Process Techniques for Permit Writers

Several in-house pollution prevention seminars are being coordinated. Confirmed speakers are:

- Jerry Lawson from the Green Lights Program Office, who, on May 13, will present information, along with Ed Linky, on the status

of the program, and

- Joyce Rosenthal from the Environmental Protection Encouragement Agency, who will lecture in the early summer about pollution prevention and technology transfer in the work her group is doing in Eastern Europe.

The 1992 EPA Administrator's Awards are currently being evaluated. Pollution Prevention is the focus.

In recognition of the special consideration that will be given to previously unfunded states in the 1992 Pollution Prevention Incentives for States grant program, increased efforts are being made to help Region II Caribbean governments and tribal nations produce competitive applications for the upcoming round of funding.

For more information contact: Janet Sapadin, EPA Region 2, (212) 264-1925.

- Pollution Prevention in the Manufacture of Pulp and Paper. June 3-5, 1992, in Washington, D.C. Call (800) 726-4853.
- Pollution Prevention Courses by Government Institutes, Inc., in Hilton Head, SC, June 24-26, 1992. Call (301) 921-2345.

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## ADDITIONAL UPCOMING EVENTS

- National Roundtable of State PP Programs Membership Meeting, April 22-24, 1992, in Raleigh, NC. Call Lynn Mackey or Bob Style at (612) 379-5995 for more information.
- New England Environmental Expo, April 28-30, 1992, in Boston, MA. Call the Expo at 1-800-543-5259 or (617) 489-2302 for registration information.
- EPA Workshop for New England Federal Facilities: Moving to Pollution Prevention Assessments in the 1990s. May 5-7, 1992, Holiday Inn, Portsmouth, NH. Call SAIC at (401) 847-4210
- Woods Hole Pollution Prevention Conference. June 1-3, 1992, in Woods Hole, MA. Call Dana Duxbury & Associates at (508) 470-3044.
- Tufts University Fifth Annual Environmental Management Institute, "Managing Now for a Sustainable Future." Courses run June 1-26, 1992, at Tufts in Medford, MA. Call (617) 627-3531.

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