



NORTHEAST STATES POLLUTION PREVENTION NEWS

NORTHEAST WASTE MANAGEMENT OFFICIALS' ASSOCIATION
(NEWMOA)

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NORTHEAST STATES P2 ROUNDTABLE

Publications

After several months of delay, the NE Roundtable has published *Improving Your Competitive Position, Strategic and Financial Assessment of Pollution Prevention Projects*, A Training Manual. The Manual is designed to familiarize environmental and operational staff with the procedures and tools for evaluating the financial aspects of P2 projects. Following a general introduction to the assessment process, the material focuses on two topics central to financial analysis -- cost information and measures of profitability -- and concludes with a discussion of qualitative issues. Copies of the Manual are available for \$15.00 (\$7.50 for nonprofit groups and government agencies).

Conferences

NEWMOA is organizing several conferences this fall.

**** Changing the Course of Production, a Student-Faculty Conference on Pollution Prevention in Manufacturing & Services**, October 22-23, 1994 at MIT. The conference will feature panel discussions, workshops, information on P2 activities at Universities, exchange of curriculum, creation of a student network, career panel and student presentations. Graduate and undergraduate students from all disciplines, faculty, manufacturing and service sector representatives and government officials are encouraged to attend. For more information contact Robert Guillemin, (617) 367-8558 ext. 309.

**** 1994 TRI Data Use Conference, Building TRI and Pollution Prevention Partnerships**, December 5-8, 1994 at the Boston Park Plaza

Hotel. The conference tracks are Pollution Prevention, Innovative Uses of TRI, and Partnerships. The conference will feature panel presentations, poster sessions, exhibits, demonstrations, and training workshops. State and federal government staff, environmental staff, industry representatives, labor group staff and academic researchers are encouraged to attend. For more information contact Maureen Hart, (617) 367-8558 ext. 306.

**** 1994 NEWMOA/EPA Annual Training and Technology Transfer Meeting**, November 16-17 in Stamford, CT. The conference will feature numerous panel presentations and discussions on pollution prevention topics, plenary sessions on environmental justice and EPA Regional initiatives, and opportunities for discussions and information sharing. This conference involves state and federal program staff and management only. For more information contact Lois Makina, (617) 367-8558.

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558.

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CONNECTICUT

CONNECTICUT DEP

P2 Plans Included in New Permit Forms

The Department's Water Bureau has prepared guidance for permit applicants to use in preparing pollution prevention plans required to be submitted with permit application forms. The plans include requirements for Operation and Maintenance Plans, Solvent Management, Spill Control and Resource Conservation. Plans must satisfy requirements that the facility will manage certain compounds to minimize or eliminate the discharge of these compounds to the state's waters, for example, or that all wastewater discharges are reduced to the maximum extent possible. Resource conservation strategies identified in the forms include: water conservation, e.g., flow restrictors; resource recovery and acid recovery; and material or product substitution.

Pesticide Rinsate Program Underway

The Department's Pesticides Division is in the first phase of a project to recommend facility upgrades for pesticide rinsate systems utilized by lawn care pesticide applicators. A variety of facilities were surveyed about their pesticide mixing and rinsate water recycling systems. Many facilities use rinse water as diluent for the next day's batch of applications. The Department is currently sampling at facilities to determine the level of pesticide residue in rinsate water. Results of this phase will be forwarded to the EPA to provide data to facilitate policy development on the use of recycled rinsate water as make-up solution.

For more information contact: Mary Sherwin, CT DEP, (203) 566-5217.

CONN TAP

ConnTAP has been awarded funding from the National Estuary program for fiscal years 1995 and 1996. The funds will be used by ConnTAP to assist in improving the water quality of Long Island Sound and selected coastal watersheds by helping industry to reduce the volume and toxicity of its wastewater discharges. ConnTAP's Site Visit Program staff will play a key role in the successful completion of this grant project.

ConnTAP is co-sponsoring the 9th Annual Conference on Pollution Prevention in the Metal Finishing and Manufacturing Industries.

The conference, scheduled for Wednesday, October 26, will provide an educational forum highlighting new technologies and management strategies. Case studies and workshops will be featured, along with exhibits by vendors who offer pollution prevention services. For more information, contact Susan Levine at the Connecticut Association of Metal Finishers, (203) 667-9583.

The Summer 1994 issue of the *ConnTAP Quarterly* was published in August. This issue was devoted to technology transfer, as a variety of ConnTAP assisted P2 projects were discussed. The UConn Environmental Research Institute (ERI) column addressed metal removal from waste streams using electrochemical ion exchange. Additionally, EPA's "WasteWi\$e" program was discussed, as was ConnTAP's new financial analysis service.

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 Regions 1 and 2 and the northeast states.

We appreciate hearing comments and suggestion 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.

THE NORTHEAST WASTE MANAGEMENT OFFICIALS' ASSOCIATION

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 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.

As previously reported, ConnTAP has been chosen by the Connecticut Department of Environmental Protection (DEP) to prepare and evaluate pollution prevention guidance documents. In support of this task, ConnTAP is researching technologies to assist industrial/commercial pretreatment dischargers. Focus will be in the areas of textile, copper forming, and non-ferrous metals manufacturing and also cooling water use. ConnTAP is arranging tours of facilities where successful P2 measures have been implemented. Information gathered from the research and tours will form the basis of the guidance documents. Ultimately, ConnTAP will convene workshops and conferences to disseminate the guidance information. This task will continue through June 1995. ConnTAP welcomes input from other agencies who may have expertise in these areas.

For more information contact: Bob Brown, ConnTAP, (203) 241-0777.

MASSACHUSETTS

MASSACHUSETTS OTA FOR TUR

Cabinet Days

Companies with successful Toxics Use Reduction programs were included in "Cabinet Day" visits in recent months. Secretary of Environmental Affairs Trudy Coxe's recent Cabinet Day schedules included stops at AT&T in North Andover, V.H. Blackinton and Company in North Attleboro, and Extrusion Technology in

Randolph. The Governor was also in attendance at AT&T.

P2 Multi-Media Permitting Pilot & TUR Plans

OTA's Northeast team has been referring businesses to the DEP Northeast Regional Office's (NERO) Pollution Prevention Multi-Media Permitting Pilot. Participation can lead to discovery of P2 options and the possibility of reducing approval and permit review timelines, reporting and recordkeeping requirements, and some fees. Contact Ken Soltys, OTA, (617) 727-3260 ext 687, or Bill Lamkin, DEP-NERO, (617) 935-2160 ext 392.

The first round of TURA plan summaries have been submitted to DEP, where they are being reviewed for completeness. OTA is working with DEP's regional inspection teams on follow-up with companies whose plans are found to be deficient.

NBEN

The Northeast Business Environmental Network (NBEN), is now an incorporated non-profit organization and is seeking new members. Initially funded through an EPA grant, NBEN serves as a non-partisan forum for businesses, government agencies and environmental advocates to meet and discuss topics relating to the combined goal of environmental protection and economic competitiveness, with an emphasis on pollution prevention and regulatory compliance. The group, which became incorporated the last day of

August, meets monthly and sponsors periodic conferences, which are open to the public.

The group began meeting two years ago, the outgrowth of a joint industrial pollution prevention project in the Merrimack River watershed by the MA OTA for TUR and the NH DES. Initially known as the Merrimack Business Environmental Network (MBEN), the group attracted members from the Merrimack River watershed in northeastern Massachusetts and southern New Hampshire. Last April, the group voted to change its name, incorporate and expand geographically to include businesses from other watersheds.

Now that it is incorporated, NBEN will begin collecting membership dues and plans to hire a part-time staff person to organize meetings and conferences. The application for federal non-profit status is pending. In addition, the group is working with the Merrimack River Initiative on establishing an electronic network for businesses in the region.

NBEN officers, elected in June are:

- Chairman: Mark Chrisos, Environmental Manager, Raytheon Company Missile Systems Division, Bedford, MA.
- Vice Chairman: Gabriel Paci, President and CEO, Raffi and Swanson, a small manufacturer of coatings for apparel and industrial applications based in Wilmington, MA.
- Treasurer: Bill Lindsey, Environmental Affairs Manager, Veryfine, Westford, MA.
- Secretary: Connie Morton, Environmental Engineer, Malden Mills, a textile firm headquartered in Lawrence, MA.

For information about NBEN or the group's October 20 conference on risk management (see below for details), contact Merrimack Project Coordinator Cynthia Barakatt, OTA, (617) 727-3260 ext 666, fax (617) 727-3827.

Buzzards Bay Project TUR Program

The Buzzards Bay Project Toxic Use Reduction Program completed its first cycle of workshops with two programs in June. On June 22, the BBP/TUR subject was "Metals Recovery and Abatement in Waste Streams." On June 29,

"Impacting Fats, Oils, Grease and Other Floatables in the Waste Stream" was the topic of a workshop for food processors and restaurants.

The year old BBP/TUR initiative is intended to help New Bedford area businesses reduce use and discharge of toxic chemicals into Buzzards Bay. The program includes workshops, site visits and other technical assistance. Funding for the project came from the U.S. EPA to the Buzzards Bay Project which is administered through the Massachusetts Coastal Zone Management Office. OTA and the Department of Environmental Protection are also supporting the effort. *OPTIONS*, the BBP/TUR newsletter reports on project activities and contains technical and resource information as well. For more information contact Fred Kalisz, Program Coordinator, (508) 748-3600.

Clean State

In February 1993, Governor Weld's Executive Order No. 350, the "Clean State Executive Order," committed all state agencies to come into compliance with environmental regulations and to develop P2/resource conservation (P2/RC) plans. The first response to the order was publication in September 1993 of a guide and resource manual: *A Practical Guide to Developing a Pollution Prevention/Resource Conservation Plan for Your Agency*. The individual agencies have established Clean State teams that have begun work on compliance issues and individual P2/RC programs.

In August, a multi-agency Clean State survey team, funded by a grant from EPA, began making visits to selected state facilities. By September 1 the team, operating out of OTA/EOEA with participation from the DEP, the Division of Capital Planning and Operations, the Department of Procurement and General Services, the Department of Public Health and the MA Water Resources Authority, had surveyed four agencies. The comprehensive surveys can take up to a day or more. The team's six members will make recommendations in the areas of: toxics use reduction, solid waste reduction, green procurement, energy and water conservation, indoor air quality, nonpoint source pollution and air pollution prevention. They will also make reuse, recycling and composting recommendations.

The reports, which bring multi-agency expertise to the management and operation of

state agencies, will include recommendations on how to institutionalize P2/RC procedures. The facilities chosen for assessment are being selected based on: 1) management commitment to pollution prevention and resource conservation, and willingness to participate in the program, and 2) the degree to which the facility presents the opportunity for recommendations that can be replicated by other state agencies. Contact Hugh Pilgrim, OTA, (617) 727-3260 x 660.

Pit Stops

The *Pit Stops* pollution prevention curriculum, developed over the summer at Massachusetts Bay Community College in Wellesley for use in votech auto technician and auto body classes, will be distributed in early October to more than 60 participating Massachusetts votech programs. A public presentation of the curriculum is planned for mid-October and a training program to introduce instructors to the new curriculum will be scheduled in November. For more information about the curriculum or the Pit Stops program contact George Frantz, OTA, (617) 727-3260 x 631, or Nancy Wrenn, DEP, (617) 292-5587.

Workshops & Publications

Sept. 21, 8 AM - 6 PM — Open House of Nonregulatory Services, at Anthony's, 105 Canal Street, Malden. OTA, working with the Everett Chamber of Commerce and with the co-sponsorship of ten other North Metropolitan area Chambers of Commerce, will bring together for the first time at least ten of the state agencies, utilities and business organizations that provide free or low cost technical, environmental, financial, management services to the businesses and industries of Massachusetts. For more information contact: Scott Fortier, OTA, (617) 727-3260 ext 695.

October 20, 8:30 AM - 4 PM — NBEN Fall Conference on Reducing Risk (Prevention of HazMat emergencies), at the Boston University Corporate Education Center, 72 Tyng Road, Tyngsboro. The **Northeast Business Environmental Network (NBEN)** Fall Conference will address three areas: 1) Risk assessment; 2) Risk avoidance through pollution prevention and other planning mechanisms, and 3) How to respond once a problem has occurred. The conference is being planned with assistance from OTA. Registration, which includes lunch and a workbook is:

NBEN members \$60.00 in advance, \$75.00 at the door; nonmembers \$75.00 and \$90.00. For more information about the conference or NBEN contact Cynthia Barakatt, OTA, (617) 727-3260 ext. 666.

November 22 — Outreach To Business & Trade Associations, Drumlin Farm, Great Road (Rte 117), Lincoln. This is a meeting for associations whose member companies fall under the jurisdiction of the Clean Air Act Amendments (-CAAA) and can be assisted by the Small Business Assistance Program that is part of the Act. OTA has initiated an effort to establish a business/government partnership to reach the greatest number of businesses that will be affected by the requirements of the CAAA. The aims are that:

- business and government work together on implementation,
- that businesses' voice can be heard as rules are developed, and
- that business will get the information it needs — through association newsletters, publications, workshops and other outreach activities.

For more information, contact George Frantz, OTA, (617) 727-3260, ext. 631.

OTA's revised **Practical Guide to Toxics Use Reduction** has been printed and is available free of charge. The new printing of the Guide includes 310 CMR 50.00, the DEP regulations covering the Toxics Use Reduction Act's reporting requirements, planning mandate and planner certification procedures. The Guide is designed primarily for Massachusetts institutions that use toxics and are required by state law to submit usage reports and do TUR planning, but it is also a step-by-step guide to TUR implementation for businesses large or small, experienced or inexperienced in TUR.

For more information contact: Michael Frishman, (617) 727-3260 ext.674.

MASSACHUSETTS TURI

TURI has participated in numerous research, education, and technical support initiatives over the summer.

Research

- TURI recently published the first edition of the

Vendor Survey Database for Industrial Cleaning. The Vendor Database is a compilation of results from the on-going TURI Vendor Survey project. Vendors of cleaning equipment and chemistries were asked a set of standard questions about their cleaning products and equipment. In addition, they were asked to provide Material Safety Data Sheets (MSDSs), printed literature and test results for TURI's Vendor File. Selected information from the survey and MSDSs were put into the Vendor Database.

- The lab is currently responding to a wide variety of requests for assistance from Massachusetts industries. Assistance includes SAGE database searches, advice on cleaning methods and materials, laboratory testing and analysis of cleanliness. A brochure describing the laboratory facilities and services is also available.
- In order to describe the Massachusetts experience with toxics use reduction, TURI has initiated projects which aim to use the TURA and TRI data to measure progress in toxics use reduction. TURI is working with DEP to improve access to the TURA Form S data. The data is extracted from DEP's Facility Master File database and then distributed for use on PC-based systems. With this data available, various methodologies will be applied to measure progress in toxics use reduction. Metrics of progress will include absolute reductions, as well as reductions normalized for level of production.

Education & Training

On June 29, TURI sponsored and facilitated a focus discussion group on regulatory barriers and policy issues that inhibit implementing toxics use reduction and P2. The discussion was part of a research project that TURI is completing for the states' Toxics Use Reduction Program's Administrative Council.

TURI staff participated in the "Regional Electronic Magnet School," (REMS²), sponsored by the Merrimack Education Center on July 19-20. The program exposes high school faculty and students to the resources available from area universities. Over a two-day session, TURI presented participants with methods and materials for learning about toxics use reduction and pollution prevention concepts, including new ways of thinking and organizing, presenting a convincing argument, understanding life cycles, and characterizing

a process. Students visited and worked in the Surface Cleaning Lab, and later learned about the toxic chemicals involved in the manufacture and use of carbon black. For a listing of K-12 resource materials available in the Technology Transfer Center, call Janet Clark at (508) 934-3346.

For more information contact: TURI's main telephone number, (508) 934-3275.

NEW HAMPSHIRE

NEW HAMPSHIRE DES

NHPPP Staff News

On July 18th, Kathy Meckley officially began work as the NHPPP's new Pollution Prevention Specialist, replacing Liz Todd. After an extended vacancy, it will be nice to have a new person on board to assist in carrying out the mission of the program. Before joining with the NHPPP, Ms. Meckley served as Quality Control Manager/Environmental Coordinator with Eagle Snacks, Incorporated, located in York, Pennsylvania.

DES/UNH P2 Partnership

The DES/UNH Pollution Prevention (P2) Partnership has just successfully completed the student internship portion of the partnership with ten facilities (including DES) and eleven students benefiting from the project. There were several meetings held throughout the ten week period in order for the students to give presentations on the status of their projects. As would be expected, every student expressed some degree of frustration in carrying out their projects in the industry setting. Some frustrations involved: inflated vendor claims, equipment failures, communication problems, difficulties in finding "drop in" solvent replacements, and the difficulty in finding solutions that are cost effective. There is a clear "win/win" situation in this program, with the students gaining valuable "hands-on" experience and the facilities receiving some needed P2 assistance. Areas of focus for the upcoming academic year include formation of a Partnership Advisory Committee and continued development of a P2 Curriculum Module.

P2 Teachers Conference

The NHPPP and the NH Department of

Education co-sponsored a two day conference in August at Loon Mountain, New Hampshire. Titled, "Identifying the Ecologically Sound Household", the conference provided training on P2 concepts, hands-on activities, displays, curricula, and handouts focusing on P2 in the home environment for middle school teachers. The workshop featured Dana Duxbury, Waste Watch Center and Paul Lignon, Tellus Institute, who gave presentations addressing P2 in the home environment. Development of a "traveling road show" for educators is being planned.

PPIS Grant Award

The DES recently received word that it has been awarded a P2 Incentive for States (PPIS) Grant to fund a project entitled, "Compliance Through P2." The grant will allow for the continued integration of P2 into the regulatory functions of DES. A large component of this grant is continued funding for the DES P2 Coordinator and related activities associated with the NH Multimedia P2 Task Force and a soon to be completed DES "P2 Strategy." Specific project activities include: 1) P2 in Permitting; 2) DES-wide P2 Training; 3) P2 Project with DES' Laboratory Services Unit; 4) P2 in Media Grants Initiative; 5) Multimedia Targeting Project; 6) Environmental Justice Project; and 6) Developing Innovative Partnerships.

On-Site Assessments

NHPPP staff have conducted three on-site assessments since June 1994. As described previously, the on-site assessment portion of the NHPPP continues to present itself as a marketing challenge. However, demand for on-site assessments generated through regulatory referrals (mostly through wastewater and hazardous waste violations) continues to grow. NHPPP staff continue to work on ways to encourage businesses to participate in the on-site assessment program.

Multimedia Task Force

The Multimedia P2 Task Force is nearing completion of a comprehensive DES P2 Strategy. The final document, which reflects the input of a diverse group of regulatory and non-regulatory program representatives, will be offered to the DES Senior Management team for comment in October. This ambitious document outlines a number of important activities focused on the

ultimate goal of institutionalizing P2 within all of DES.

"Pit Stops" Workshop Series

The NHPPP completed its "Pit Stops" 5-workshop series in May, providing information to approximately 250 workshop attendees. With much appreciated assistance from NEWMOA, the NHPPP was able to complete a follow-up "Pitstops" poster mailing to about 2,500 inspection and service stations that did not attend the workshops. The mailing has generated many calls for conference handouts, in particular the NH "Pitstops" Manual.

Other P2 Activities

- 1) The NHPPP, University of New Hampshire (UNH), Public Service Company of New Hampshire (PSNH), the NH Small Business Development Center, the Industrial Research Center, and DES' Small Business Technical Assistance Program (SBTAP) held a meeting to bring a variety of "players" to the table to discuss potential outreach mechanisms geared specifically towards the small business community. The brainstorming meeting resulted in a broad discussion, but focused on some of the difficulties in reaching this particular audience. A very rough and preliminary strategy was developed to target a small business sector, and utilize utilities, vendors/suppliers, and trade associations as vehicle to "spread the word".
- 2) NHPPP/UNH provided a presentation at HADCO's hazardous waste management workshop at the Sheraton Wayfarer in Bedford, NH. The presentation focused on the use of P2 as a tool to reduce regulatory burdens and gave an overview of the various projects currently being completed under the DES/UNH P2 Partnership grant.
- 3) NHPPP sent out letters to about 70 companies requesting their participation in a voluntary P2 case study project being conducted as part of the DES/UNH P2 Partnership. The mailing list was compiled by analyzing Biennial Report, Annual Report, TRI, and 33/50 data and then determining which of the companies fell within the Nashua, Contoocook, and Souhegan sub-basins of the Merrimack River Watershed. The response rate was low, but the student intern was able to draft seven P2 case studies for distribution by the NHPPP.
- 4) NHPPP staff participated in conference calls

and meetings associated with EPA's "Common Sense" and "Helping the Business Community Become Better Environmental Citizens" Initiatives, the "Waste Minimization and Combustion Strategy," and "Re-Engineering RCRA for Recycling."

For more information contact: Paul Lockwood, NH DES, (603) 271-2956.

NEW YORK

NEW YORK STATE DEC

Training, Education and Outreach

Workshops were conducted in each of DEC's nine regional offices on M2 Inspections by Pollution Prevention Unit staff. The workshops provided information on the guidance that had been developed to support the regional staff in carrying out a multimedia inspection. This series of workshops focussed on inspections that are carried out by teams of inspectors. A proposal for funding to support additional training in both team and reconnaissance multimedia inspections is still awaiting approval by EPA Region II and headquarters. This proposal has been revised to also include pollution prevention training, that is the type of information field staff have indicated they are very interested in obtaining.

Workshops are being planned for three locations across NY State to help local government and small business in identifying P2 opportunities and ways to obtain technical information and other assistance. Instructions will also be provided on conducting small business environmental self audits. The workshops will be coordinated by the Pollution Prevention Unit and regional DEC staff and local government and state agencies have been asked to help conduct the workshops.

The Pollution Prevention Unit will be participating as an exhibitor at the New York State Environmental Exhibition to be held at the ONCENTER in Syracuse, New York on November 1-2, 1994. This Exhibition is held in conjunction with the annual DEC Recycling Conference.

Pollution Prevention Bulletin

The special summer 1994 issue of the Pollution Prevention Bulletin is now available. This issue features the recipients of the First Annual Governor's Awards for Pollution Prevention.

For copies of any issues of the Bulletin, contact Linda Shea at (518) 547-2480.

Other

DEC Commissioner Langdon Marsh is scheduled to present over 60 Certificates of Appreciation to DEC staff to recognize outstanding contributions to the Department's multimedia pollution prevention (M2P2) program. These awards will be presented to staff who, for example, participated on a team that was unusually successful in implementing the M2P2 program at a targeted facility or carrying out enforcement orders under an innovative settlement or to an individual such as a regional M2P2 coordinator. The awards, that are the first to be given in this nearly 2-year old program, will be presented at a ceremony scheduled for October 12, 1994 in Albany, NY.

Commissioner Langdon Marsh, as well as representatives from other state agencies, will be participating in the Inaugural Meeting and Conference of the environmental Business Association of New York State (EBA/NYS) on October 25, 1994. The Environmental Business Association of New York State is a new trade association dedicated to supporting the growth of the environmental industry in New York. The day-long event will include 120 senior executives from environmental businesses, government agencies, and non-profit organizations in and around the state. For more information please contact EBA/NYS at (518) 276-8458.

For more information contact: Linda Shea, NY DEC, (518) 457-2480.

ERIE COUNTY OPP

ECOPP conducted 22 pollution prevention reviews, provided information to 23 federal/state/local agencies and distributed its 10th edition of Pollution Solutions this past quarter.

ECOPP has finalized the agenda for the second pollution prevention training session for POTW officials and inspectors scheduled for late fall. The material discussed will attempt to identify the POTW managers' and inspectors' role in local pollution prevention efforts. We welcome any suggestions from NEWMOA member states as to how POTWs can promote pollution prevention.

ECOPP has begun the Used Oil Filter Recycling Demonstration Project. Approximately 50 vehicle maintenance facilities that generate used automotive oil filters will have their filters picked up and delivered to a central processing facility that crushes the filters into marketable cubes. The project will run through March 1995, at that time a final report will be written and submitted to the NY State Energy Research and Development Authority.

ECOPP has also begun formal efforts to inform and assist local government officials in adopting pollution prevention practices in municipal operations and in their relations with area businesses. Existing town ordinances and permits may provide the mechanisms needed to enforce these measures. We have presented our program to the Association of Local Governments hoping that upper management support is given. ECOPP's next Pollution Solutions newsletter will discuss nonpoint source pollution and stormwater; specifically addressed to municipal officials.

In the coming months, ECOPP will assist the Western New York Technology Development Corporation in implementing a pollution prevention/energy use reduction assistance program. The program will utilize the components of ECOPP's services and that of the regional utility companies. There are times when a business installs equipment that reduced waste generation but increases energy consumption. This program will identify the balance between environmental and energy concerns. Process and equipment changes that benefit the companies' bottom line and reduce its environmental liability will be recommended.

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

SUFFOLK COUNTY WATER AUTHORITY

Through a grant received from the New York State Department of Labor, the Suffolk County Water Authority will be conducting a series of workshops on health and safety topics for the water utility industry and vehicle maintenance industry. Workshops for the water utility industry will be offered on: an overview of health and safety regulations that affect water utilities, lock-out/tagout, confined spaces, and trenching/shoring.

In addition, the Suffolk County Water Authority will be offering a free workshop for supervisors and managers at automobile dealership service areas and autobody/auto repair shops on how to comply with the OSHA Hazard Communication Standard. This half day workshop will be offered on October 17th and October 19th. Jason Larson from Safety Kleen will be the primary speaker. A free information packet will be provided to attendees that will also contain additional information on pollution prevention that can improve worker safety. An informational pamphlet is currently under development that will outline OSHA requirements for the vehicle maintenance industry.

The Authority is currently exploring the possibility of using a participant from EPA's Greater Leadership Opportunity Program to assist them in the development of an onsite assistance program for local business and industry that would utilize local college graduate students and/or retired professionals.

The SCWA P2 Program responded to a number of local requests from dry cleaners on financial assistance available to purchase new environmentally friendly equipment. The U.S. Post Office central facility located in Hauppauge requested vendor information for water-based paints to explore the possibility of conducting a demonstration project on low VOC methods for painting postal trucks.

The Authority will be participating in the Health Fair at Brookhaven National Laboratory in Upton, Long Island on October 11th and 12th. The fair will be focusing on drinking water issues and other health issues for Long Islanders.

For more information contact: Judy Jakobsen, SWCA, (516) 563-0306.

NEW YORK STATE DED

The Environmental Ombudsman Unit is a member of the New York State Small Business Stationary Source Technical and Environmental Compliance Assistance Program (PROGRAM). The PROGRAM was mandated by the Clean Air Act Amendments of 1990 to assist small businesses in complying with the new regulations. The PROGRAM consists of the Ombudsman at the New York State Department of Economic Development, which acts as the advocate for small

businesses, handles complaints and provides outreach and education; and the Small Business Assistance Program at the NYS Environmental Facilities Corporation, which provides technical assistance.

Since the Environmental Ombudsman Unit was established in early 1993, there have been over 1,100 requests for information and almost 50 cases were handled. The addition of three staff in early 1994 has increased the outreach with a corresponding increase in the workload. The Unit currently consists of Doreen M. Monteleone, PhD, Supervisor; and Representatives Antonio Rodriguez, Tria Goodman Case, Esq. and Ronald E. Austin, REM, CEA.

Recent activities:

- A May 12, 1994 EPA Teleconference, *Clearing the Air on Clean Air*, informing dry cleaners about federal requirements was coordinated by the Unit. At the teleconference, a video developed by the NY State DEC was presented on the stricter, State dry cleaner regulations, followed by a question and answer period. Over 220 attended statewide.
 - On June 8, *Spray Painting: Improvements and Alternatives* Teleconference was cosponsored with New York Manufacturing Extension Partnership (NYMEP) and the Pollution Prevention Unit of the DEC. In attendance were 180 spray painters.
 - *Environmentally Sound Business Practices*, a seminar sponsored by the New York City Department of Environmental Protection, was given outreach support by the Unit. The Small Business PROGRAM was presented on one of the panels.
 - The Unit participated a meeting in Washington DC with the USEPA to develop a national confidentiality policy for the Small Business PROGRAMS. Recently, New York State passed confidentiality legislation to exempt the PROGRAM from the Freedom of Information Law.
 - *The Environmental Self-Audit For Small Businesses* has been so popular that the original 10,000 are almost gone. The Unit will be printing additional copies in the near future. Copies are available by calling the Unit Hotline 1-800-STATE NY (ext. 157).
- To inform pharmaceutical and cosmetics manufacturers about changes in New York State air emission regulations, a notification card was sent to 366 businesses across the state. Businesses can return a self-addressed stamped card requesting the industry-specific information package developed by the PROGRAM team.
 - The Unit participated in the DEC's Pollution Prevention Conference in Albany.
 - The PROGRAM is sponsoring with the Neighborhood Cleaners Association, ten meetings that cover environmental and economic issues faced by the New York's 3,800 dry cleaners. One of the meetings will be presented in Korean to accommodate the high percentage of Korean owners located in New York City.
 - Notification cards are being developed for New York State's gasoline stations to detail compliance requirements under the new State air emission regulations.
 - Bakery outreach meetings are being planned for the fall.

For more information contact: Ronald Austin, NYS DED, (827) 6279.

RHODE ISLAND

RHODE ISLAND DEM

Members of the RI DEM Pollution Prevention Section have recently completed writing their third grant proposal of the summer.

The first grant proposal is a motion to combine efforts among RI DEM's P2 Program, William M. Davies, Jr., Career and Technical High School, and URI's Center for Pollution Prevention. The intent of the project is to research, evaluate and demonstrate leading auto refinishing toxics use reduction strategies that are both practical and cost-effective. The project includes specific research components that focus on issues of environmental equity, exposure to indoor air pollutants, work force training and the measurement

of pollution reductions achieved during actual technology demonstrations.

The second proposal is a conjunctive effort among RI DEM's P2 Program, Narragansett Seafood Processors Association, URI's Chemical Engineering and Food Science Departments. The entities involved propose to work together to examine and implement process modifications that will allow the companies of the Narragansett Seafood Processors Association to expand production of underutilized fish species, reduce the generation of wastewater and recover by-products and usable waste solids for new value-added product development.

The third grant application is a proposal for expertise/environmental technology transfer to Mexico and Chile with a special focus on training and information dissemination to Brazil, Columbia and Peru. The parties involved with this proposed project include RI DEM P2 Program (lead agent), EPA Region 1, URI's Center for P2, and the Tufts University's Center for Environmental Management. The objective of this project is to accelerate the diffusion of clean technology to priority industrial sectors located in Mexico and Chile through (1) in-country demonstrations of leading, innovative U.S. technologies that are both economically practicable and best suited for environmental health risk reduction and ecosystem protection, and (2) the provision of international technical assistance, information and training aimed at building government and university infrastructures to institutionalize and support long-term commitment to environmental protection and pollution prevention.

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

NARRAGANSETT BAY COMMISSION

Technical Support Activities

The Narragansett Bay Commission's (NBC's) Pollution Prevention Program continues to work with local industry helping to resolve waste management problems with pollution prevention techniques. On average, two to three calls are received each week from industry requesting assistance from NBC's Pollution Prevention staff.

Case study reports on successful pollution prevention and resource recovery projects are

being documented with the assistance of the Rhode Island Center for Pollution Prevention housed in the Department of Chemical Engineering's Kingston campus. URI students have visited more than ten companies over the summer and are currently in the process of formulating information collected during these visits into Pollution Prevention Case Study Reports.

1994 RI P2 Conference & Exposition

The 1994 Rhode Island Pollution Prevention conference and Exposition will be held on October 19-20 1994 at the Rhode Island Convention Center in downtown Providence. This event is expected to attract more than 500 attendees and 50 vendors of pollution prevention and control equipment and services over a two-day period. Efforts to attract prominent environmental leaders, the most experienced individuals as speakers, and vendors of the latest technological equipment and services will guarantee this conference to be the most informative and successful environmental event of the year.

Environmental experts from industry, consulting firms, and state agencies will be available at more than 20 workshops and informally throughout the exposition area to discuss the latest and most successful achievements in pollution prevention and expected impacts of existing and upcoming environmental regulatory issues. The conference poses a perfect setting for the industrial community to have their concerns heard and addressed by EPA Administrator Carol Browner, Rhode Island Governor Bruce Sundlun, Rhode Island Senator John Chafee, and former Rhode Island Representative Claudine Schneider.

Specific industrial pollution prevention efforts will be addressed in workshops focusing on the: Marina Industry, Textile Industry, Electroplating Industry, Dry Cleaning Industry, Automotive Industry, as well as Photoprocessing and Xray operations. Other scheduled workshops include: Stormwater Permitting, Environmental Regulations and Compliance, Clean Air Act Requirements, and Water Conservation and Management. Governor's Award applications for pollution prevention efforts are still being accepted. The recipient of this award will be announced at the Conference. For more information on this conference contact James McCaughey at (401) 277-6680 or James Saletnik at (401) 277-3434.

P2 & Regulatory Integration

Over the summer NBC has made great strides to use pollution prevention as part of settlement negotiations. NBC legal staff have referred companies to the pollution prevention staff to develop P2 techniques that may be implemented in the place of paying costly fines and penalties. NBC feels that helping companies to put this money to use in the form of P2 creates the potential for similar problems occurring in the future will be eliminated.

Research Projects

In June 1994 NBC and URI were jointly awarded a grant by the RI DEM to study improved methods of removing and recovering silver from photofinishing, electroplating, and printing wastes streams. NBC's Pollution Prevention Program will assist by working with local industry on these studies and incorporating pollution prevention and source reduction into industrial operations prior to the silver recovery steps.

For more information contact: James McCaughy, NBC, (401) 277-6680.

VERMONT

VERMONT DEC

The Vermont DEC is completing a year-long reorganization effort that has also affected the pollution prevention programs. The former Pollution Prevention and Education Division is now the Pollution Prevention, Education and Coordination Division. The new Division will take on a multi-media coordination function across the Department programs in such areas as permitting, enforcement, compliance and inspections, and data and information management. Rich Phillips, Director of the Department's Enforcement Division has been named to head the new division. Rich is a long-time employee of the Department, who headed up municipal and industrial wastewater regulatory and technical assistance programs prior to his tenure in the Enforcement Division. Rich's challenges include bringing multi-media coordination to a new level in the Department and in elevating the importance of pollution prevention and resource conservation in Department functions.

The Division is sponsoring its second

annual Pollution Prevention Conference and Governor's Awards on October 4 in Burlington. The conference is entitled "Achieving Prosperity Without Pollution" and is an effort by the Division to educate a broad audience of policy makers, educators, students, businesses, the legal profession and consultants on the important role of P2 in Vermont's economic and environmental future.

The Division is also sponsoring one-day workshops in September: "Strategic and Financial Assessment of Pollution Prevention Projects," September 15 in Colchester, VT; and "Cleaning Technologies for Industrial Applications," September 21 in Rutland, VT.

Ongoing and beginning projects include: a Pit Stops grant to conduct on-site assessments at vehicle service and repair facilities; a grant to establish model facilities of pollution prevention and environmental compliance for small businesses; a grant to explore toxics data integration in the Department of Environmental Conservation and opportunities to streamline data reporting requirements on toxics; and a grant to provide pollution prevention assistance and training to the dairy industry in Vermont.

The Division is also currently involved with the coordination of a Clean State Council to develop and implement procurement and recycling plans for state government operations and is soon to begin a comprehensive environmental audit of the Agency of Natural Resources.

For more information contact: Gary Gulka, VT DEC, (802) 241-3888.

EPA REGION 1

Initiatives

Mark and Abby are embroiled in a growing number of P2-related national and New England EPA initiatives, including:

- Common Sense Initiative (national) and related Environmental Citizenship for the Regulated Community (EPA-New England).
- Environmental Leadership Program (national) and related Environmental Leadership - New England.
- Environmental Technology Initiative (national) and related Promoting New

England's Environmental Technology Industry.

- Greening the Federal Government project (EPA-New England).

Many of you have been involved in focus groups to plan these initiatives with us -- THANKS for your time and effort!

Norman Willard will return to Almaty, Kazakhstan on September 20 to continue his work as project manager for a US government-funded study being prepared by various ministries of Kazakhstan on "greenhouse gases and regional climate change in Kazakhstan." This cooperative agreement is one of about fifty the US has with developing countries and countries with economies in transition. The P2 message will be prominent in the final phase: how to mitigate/reduce GHG emissions at the source.

Grants

Successful Pollution Prevention Incentives for States (PPIS) grants applications (to begin in FY95) are being processed on schedule by our Grants staff. States with current grants should remember that semi-annual progress reports are due to your EPA project officers by October 30. Final reports are due at the close of the grant.

NICE3, a DOE/EPA grant program to demonstrate energy efficiency and P2 methods in new, cost-effective industrial applications, is starting earlier this year. All New England state P2 technical assistance offices and environmental commissioners should have received a letter from DOE/Boston inviting them to apply jointly with industries in their states. Optional pre-applications are due Oct. 15; formal applications will be accepted Nov. 1 - Jan. 31. Last year, for the first time under this grant program, New England companies (two) were awarded grants.

EPA-New England awarded the Department of Chemical Engineering at the University of New Hampshire a training grant to assist federal facilities with the facility P2 planning requirements under Executive Order 12856.

EPA Headquarters and EPA-New England awarded a training grant to the John Snow Institute to establish local Environmental Information Centers in Massachusetts. These Centers will train librarians and community leaders in local

health and environmental organizations to access and use data available under the Emergency Planning and Community Right-To-Know Act.

EPA-New England received funding from the AmeriCorps national youth community service program to work with a City Year team in a Roxbury neighborhood on "Green Spaces/Healthy Places," a program to reduce environmental and public risks. City Year team members will be educated on P2 and energy efficiency, and will in turn educate small businesses and possibly schools in the neighborhood. For more information contact Norman Willard, (617) 565-3265)

Training

Monthly P2 Technical Seminars for EPA compliance, permitting and enforcement staff will continue in FY95. We are planning a textiles seminar for October and a leather seminar for November (dates TBA). State participants are always welcome.

Conferences

The 1994 Toxics Release Inventory Data Users Conference, "Building TRI and P2 Partnerships," will take place December 5-8, at the Park Plaza Hotel in Boston. Call Madsen Marketing Strategies (617) 628-9297) for a registration packet.

EPA-New England will co-host a conference on Turf, Ornamental, and Structural Integrated Pest Management on October 13, 1994 in Marlborough MA. For more information contact Allan Christensen, (617) 565-4968)

On October 26-27, EPA-New England will conduct a workshop for the states entitled "Integrating Pollution Prevention into the Implementation of the Clean Air Act." State air program staff as well as state P2 and small business assistance staff will be invited to the workshop. For more information contact Anne Arnold, (617) 565-3166.

NEIWPCC and EPA will host a Pretreatment Technology Transfer Forum on September 21 and 22 at the Westford Regency in Westford, MA. Topics will include pretreatment and P2 programs, NPDES/503 sludge requirements, and small source impacts. For more information contact Tony DePalma (617) 565-3493.

Voluntary Programs

EPA-New England's Green Lights program submits the following achievements:

- 129 current participants in New England.
- Pollution already prevented: 30,712 metric tons of CO₂; 220 tons of SO₂; 145 tons of NO_x. Other pollutants reduced: beryllium, cadmium, chromium, copper, manganese, mercury, nickel, and silver.
- kWh savings already realized: 55,353,263 per year.
- Energy cost savings: \$4,844,370.

WasteWiSe

The Waste Management Division (WMD) has secured participation by 30 New England businesses, most which are Fortune 1000 corporations, in this national solid waste reduction challenge program. For more information contact Cynthia Greene, (617) 223-5531.

Waste Minimization & Combustion Strategy

WMD staff are assisting in development of a national plan to implement this important Strategy. Focus Group meetings will be held during the week of Sep. 19th in the Washington, D.C., area and the Plan will be released in November. For more information contact Sally Mansur, (617) 223-5529.

PINE Project

Printing Industries of New England (PINE) has completed over 40 compliance and P2 technical assistance visits at Massachusetts print shops under this initiative. PINE is developing an agreement with an area facility to provide hazardous waste management services to its members at a discount. For more information contact Sally Mansur, (617) 223-5529.

Pit Stops Project

Watch for workshops in Connecticut and Rhode Island this fall! A second printing of the poster for auto repair shops has been completed for distribution by Safety Kleen Corp. to their Massachusetts customers. Copies of the poster or its negatives for reprints are available. The slide/tape show and video are being sent to the New England states and vocational-technical schools in Massachusetts; an accompanying brochure is under development. Since the project is winding down, the Pit Stops Team will summarize

its experience and seek feedback from state and trade association partners to add to a final report. For more information contact Sally Mansur, (617) 223-5529.

For more information contact: Sally Mansur, EPA Region 1, (617) 223-5529.

EPA REGION 2

LCA

Region 2 has a student volunteer conducting lifecycle research to compare three paper types. The environmental impacts of paper made from trees, will be compared with paper made from 100 percent post consumer recycled waste and paper made from the kenaf plant. A final report is expected in early winter.

Lecture Series

On June 16, Peggy Lauer from the Resource Renewal Institute spoke at Region II's P2 Lecture Series about Holland's "Green Plan" for sustainable development.

Conference/Roundtable

Region 2 co-sponsored New York City's June 23 conference on sustainable development at the City University of New York's Graduate Center. Participants included members of government, academe and business. Several members of the Northeast States P2 Roundtable attended the conference and remained overnight in NY City to attend the quarterly Roundtable meeting on June 24.

PPIS

Almost \$2 million in proposals were received in Region 2 for funding under the FY94 Pollution Prevention Incentives for States (PPIS) grant program. Ten applications were reviewed by the Region's evaluation panel, which met on June 29. The panel's recommendations were presented to Region 2's Administrator and announcements of award recipients will be made in October. Announcements will also be made in October regarding projects to be funded with Region 2's P2 Support Funds.

International Visitors

This summer Region 2 hosted three visitors from Sri Lanka under the U. S. Asia Environmental Partnership (AEP) program. P2 was a

primary focus of the visit. The visitors were provided with written information and given presentations on EPA's own P2 programs, and taken on tours of industrial facilities and an environmental showcase building. Contacts: Janet Sapadin (212) 264-1925, Nora Lopez (908) 906-6890, and Richard Yue (212) 264-9399.

Facility-wide Permits

On May 13, 1994, the New Jersey Department of Environmental Protection (NJDEP) transmitted a draft Facility-Wide Permit (FWP) for Schering-Plough's Kenilworth facility to EPA Region 2 for internal review. The facility-wide permit combines all previous permits issued to the facility for air and water releases and includes other requirements for the management of hazardous waste. It also incorporates appropriate provisions from Schering's P2 Plan.

Based on our review, EPA Region 2 determined that the draft FWP complies with all the requirements for the air and hazardous waste programs. However, regarding the water program, Region 2 had three comments pertaining to the permit discharge limitations and monitoring requirements. The comments were transmitted to NJDEP on June 13 and July 13, 1994 respectively. Contact: Richard Yue, (212) 264-9399.

SEP's

This past quarter two EPCRA Section 313 cases were settled with Supplemental Environmental Projects. The following summarizes the type of activities:

1. Crown Castings Inc. installed an automated continuous flow water treatment system. It reduces solid waste output, reduces fresh water usage and allows water reuse/recycle.
2. RFE Industries installed a cyanide hydrolysis unit that destroys the cyanide in the gold-silver plating solutions that the facility treats for metal recovery.

Outreach

Region 2 is in the process of coordinating four compliance assistance EPCRA seminars. The seminars will target EPCRA Section 313 non-reporting facilities in New Jersey, likely targeting the following industries: paper and allied products, chemicals and allied products; rubber and miscellaneous plastics; primary metals and fabri-

cated metals. EPCRA Section 313 requirements will be covered and representatives from NJDEP are expected to cover State P2 planning requirements and release and source reduction reporting. The seminars are planned for November. Contact Mary Ann Kowalski (908) 906-6815 and Nora Lopez (908) 906-6890.

P2 Assessments in the Lake Ontario Basin

Region 2 undertook a project in FY-92/93 to promote voluntary P2 activities at toxic emitting facilities located on the New York side of the Lake Ontario basin. The targeted toxics for reduction were those identified by our Niagara Frontier Program Office as persistent toxics in the Great Lakes ecosystem. Over 40 candidate facilities were identified based on their toxic emission potential in the Toxic Release Inventory (TRI) and their NYSDEC air permits. In two separate mailings (December 1992 and March 1993), candidate facilities were invited to participate in the project. Most large corporations declined to participate because they already had on-going P2 programs in place. Seven small to mid-size facilities, which have large toxic emitting potential, participated.

A contractor (SAIC) was hired to work on this project (cost - approximately \$90,000). Preliminary reviews of facility emission data began in April 1993 and were completed in August 1993. Facility assessment protocols, developed from the data reviews, were used at on-site facility assessments conducted between August and September 1993. Final reports of the assessments, with recommended P2 measures, were sent to the participating facilities for review in December 1993. The facilities were asked to consider implementing the P2 measures and to report any significant toxics reductions due to implementing the recommended measures. Facilities were also asked to provide updates on P2 measures that they developed/implemented on their own. Based on facility updates (and estimates made through the permits and waste reports), in May 1994 the facilities had achieved a toxic reduction of over 40 percent (approximately 200,000 lbs/yr) Much of the reductions came from easily implementable P2 measures developed by facility personnel. Contact Charles Zafonte (212) 264-7678 and Umesh Dholakia (212) 264- 6676.

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

NEW P2 PUBLICATIONS

The following is a list of new publications on P2 and where you can order them:

Summary of Focus Group Discussions with Screen Printers and Lithographers for the Design for the Environment Printing Project, U.S. EPA. Office of Pollution Prevention and Toxics, EPA 742-R-94-004, June 1994, (202) 260-1023.

U.S. Department of Energy Phaseout of CFC-Refrigerants, U.S. Department of Energy, 1993, NTIS, CONF9309137-1, (703) 487-4650.

Application of 'Natural' Refrigerants, A Rational Solution to a Pressing Problem, Gustav Lorentzen, March 1993, NTIS, PB94-138781, (703) 487-4650.

Non-CFC Air Conditioning for Transit Buses, Nonrenewable Energy Laboratory, November 1992, NTIS, DE93000033, (703) 487-4650.

Plasma Cleaning for Waste Minimization, Pamela Ward, June 1993, NTIS DE93017498, (703) 487-4650.

Cleaning Solvent Substitution in Electronic Assemblies, Gerald Meier, U.S. Department of Energy, September 1993, NTIS, 9308150-7, (703) 487-4650.

Guide to Pollution Prevention: Municipal Pretreatment Program, U.S. EPA, October 1993, NTIS, PB94-144631, (703) 487-4650.

Economic Analysis: Converting from Petroleum-Based to Ultraviolet-Light Cured Coating System for Medium-Size Wood Products Manufacturer, Pacific Northwest Pollution Prevention Research Center, 1994, (206) 223-1151.

Pollution Prevention Opportunities in Agriculture: A Comparison of Surge and Conventional Irrigation Practices for Onion Production, Pacific Northwest Pollution Prevention Research Center, 1994, (206) 223-1151.

Pollution Prevention Opportunities in the Forestry and Sulfite Pulp Processing Industries, Pacific Northwest Pollution Prevention Research Center, 1994, (206) 223-1151.

Pollution Prevention Practices and Attitudes, A Survey of Colorado's Small and Medium-Sized Businesses, Colorado Pollution Prevention Partnership, 1994, (202) 260-1023.

Pollution Prevention, A Practical Guide for State and Local Government, Edited by David

Wigglesworth, 1993, Lewis Publishers, CRC Press, 2000 Corporate Blvd., NW, Boca Raton, FL 33431.

"Justification for Implementing Cost Effective Powder Painting Procedure," Solid and Hazardous Waste Education Center, 1994, (608) 262-0385.

Vendor Survey Database for Industrial Cleaning, Massachusetts Toxics Use Reduction Institute, Technical Report 15, 1994, (508) 934-3275.

Facility Level Pollution Prevention Benchmarking Study, The Business Roundtable, 1993, (202) 872-1260.

CALENDAR

Title	Sponsor	Date/Location	Contact
Achieving Prosperity Without Pollution	VT DEC	October 4 --Raddison Hotel, Burlington, VT	(802) 241-3888
Alternative Wastewater Treatment Conference	Lake Champlain Basin Program	October 5 -- Sheraton Conference Center, VT	(802) 372-3213
Turf, Ornamental and Structural Integrated Pest Management	EPA New England	October 13 -- Marlborough, MA	(617) 565-4968
Elementary Teachers Workshops	NMC2	October 15-16, 1994 and March 11-12, 1995	(508) 837-5137
1994 Rhode Island Pollution Prevention Conference and Exposition	RI DEM and Narragansett Bay Commission	October 19-20 -- Rhode Island Convention Center	(401) 277-6680 (401) 277-3434
NBEN Fall Conference on Reducing Risk	MA OTA & NBEN	October 20 -- Boston University Corporate Education Center, Tyngsboro, MA	(617) 727-3260 x695
Changing the Course of Production: A Student-Faculty Conference on Pollution Prevention in Manufacturing and Services	NEWMOA	October 22-23 -- Massachusetts Institute of Technology	(617) 367-8558
1994 International CFC and Halon Alternatives Conference	Alliance for Responsible Atmospheric Policy	October 24-26 -- Washington Hilton and Towers	(301) 695-3762
9th Annual Conference on P2 in the Metal Finishing Manufacturing Industries	ConnTAP	October 26 -- CT	(203) 241-0777
Topic to be announced	J. F. K School of Government - Harvard University	October 26 -- University of California, Las Angeles	(617) 495-8132
Integrating P2 into the Implementation of the Clean Air Act	EPA New England	October 26-27	(617) 565-3166
Household Hazardous Waste Management Conference	ICMA Env. Programs	November 17-19 -- Austin, TX	(202) 962-3539
1994 TRI Data Use Conference	NEWMOA	December 5-8 -- Boston Park Plaza Hotel	(617) 628-9297
Industrial Ecology: The Year in Review	John F. Kennedy School of Government - Harvard University	December 8 -- Fainsol Room, Littauer Building, Kennedy School, Cambridge, MA	(617) 495-8132
National Roundtable of State Pollution Prevention Programs	MN Office of Env. Assistance	November 2-4 -- Minneapolis, MN	(612) 643-3551
BioEast'95	BioConferences International, Inc.	January 9-12, 1995 Washington, DC	(301) 652-3072
Low- and no-VOC Coating Technologies: 2nd Biennial International Conference	Research Triangle Institute	March 13-14, 1995 -- Durham, NC	(919) 541-5816
1995 International Symposium on Electronics and the Environment	Electronics & the Environment	May 1-3, 1995 -- Hyatt Regency, Orlando, Fl	(914) 766-2719

 NEWMOA would like to thank the following people for writing and producing this newsletter: Ronald Austin, Robert Brown, Michael Frishman, Gary Gulka, Judy Jakobsen, Tristyne Jones, Paul Lockwood, Sally Mansur, Jim McCaughey, Jim Saletnik, Janet Sapadin, Mary Sherwin, Abby Swaine, Mary Werner, Will Wilesevich, Susan Zalot, and Terri Goldberg. Special thanks to Lois Makina at NEWMOA for typing the newsletter. Terri Goldberg managed production of the newsletter.

NEWMOA'S P2 PUBLICATIONS

P2 Successes, A Compendium of Case Studies from the Northeast States, 1993, \$30 (\$15 for nonprofits & government agencies).

Guide to State P2 Technical Assistance Programs in the Northeast, 1993, \$15 (\$7 for nonprofits & government agencies).

Northeast States P2 Roundtable: A Directory of Participating Programs, 1993, \$10 (\$5 for nonprofits & government agencies).

Source Reduction of Toxic Metals in Household Batteries: Federal, State & Industry Initiatives, 1991 Report and 1993 Update, \$30 (\$15 for nonprofits & government agencies).

Lead, Cadmium & Mercury in Hospital Solid Waste: A Scoping Study, July 1992 Report, \$30 (\$15 for nonprofits & government agencies).

Improving Your Competitive Position: Strategic and Financial Assessment of Pollution Prevention Projects, A Training Manual, 1994, \$15 (\$7.50 for nonprofits & government agencies).

Measuring State Pollution Prevention Program Effectiveness in the Northeast: A Working Paper, 1992, free.

A Practical Guide to Pollution Prevention in the Northeast, 1993, we have a limited supply of free copies.

Northeast States Pollution Prevention Roundtable Training Handbook, 1993, \$80 (\$40 for nonprofits & government agencies).

Pollution Prevention Measurement at Facilities: Status of the Northeast States' Programs, 1993, we have a limited supply of free copies.

Sources of Hazardous Waste Shipped for Incineration, Landfill or Stabilization: Using Biennial Report Data in the Design of Waste Reduction Services in New Hampshire, 1993, \$14 (\$7 for nonprofits & government agencies).

For more information on ordering NEWMOA reports, please call Lois Makina, (617) 367-8558.

Northeast States Pollution Prevention News

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