

OVERVIEW OF NEWMOA'S PROJECTS
FISCAL YEAR 2007
November 2006

What is NEWMOA?

The Northeast Waste Management Officials' Association (NEWMOA) is a non-profit, non-partisan interstate association that was established by the governors of the New England states as an official interstate regional organization, in accordance with Section 1005 of the federal Resource Conservation and Recovery Act (RCRA), to coordinate interstate hazardous and solid waste activities. The organization was formally recognized by the US EPA in 1986. NEWMOA's membership is composed of the state environmental agency directors of the hazardous waste, solid waste, waste site cleanup, emergency response, pollution prevention, and underground storage tank programs in Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, and Vermont.

NEWMOA's Mission

NEWMOA's mission is to develop and sustain an effective partnership of states to explore, develop, promote, and implement environmentally sound solutions for the reduction and management of materials and waste, and for the remediation of contaminated sites, in order to achieve a clean and healthy environment. The group fulfills this mission by providing a variety of support services that:

- facilitate communication and cooperation among member states and between the states and the US EPA; and
- support the efficient sharing of state and federal program resources

to help avoid duplication of effort and to facilitate development of regional approaches to solving critical environmental problems in the region.

The following pages provide brief descriptions of each of the major projects that NEWMOA is undertaking in Fiscal Year 2007. The project descriptions are organized into the following program areas of activity:

- Solid Waste
- Persistent, Bioaccumulative and Toxic Pollutants & Other Priority Chemicals
- Hazardous Waste
- Environmental Assistance & Pollution Prevention
- Waste Site Cleanup

The overall goals of each of these program areas are described below along with a list of the NEWMOA Workgroups and Networking groups that have been formed to implement the goals.

NEWMOA's Program Goals & Working Groups

NEWMOA's Solid Waste Goals

- Prioritize types of solid waste that are important to address regionally through policy and program coordination and information sharing
- Improve state understanding of the management and disposal of solid waste in the region
- Improve the management of solid waste, particularly high priority wastes, including construction and demolition debris, scrap cars, and appliances
- Increase solid waste minimization, including recycling

Solid Waste Groups:

- Solid Waste Steering Committee
- Solid Waste Metrics Workgroup
- Beneficial Use Determinations Workgroup
- Construction & Demolition Debris Networking Group
- Auto Recycling Networking Group

Persistent, Bioaccumulative and Toxic (PBT) & Other Priority Chemicals Reduction Goals:

- Help states identify and prioritize solid and hazardous wastes that have persistent, bioaccumulative, and toxic (PBT) constituents and other priority chemicals
- Help states identify effective strategies for promoting PBT and other priority chemical reductions
- Reduce the waste streams in the region that contain priority PBT pollutants, particularly mercury, lead, and dioxin
- Help states improve the management of wastes that contain mercury and other priority PBTs
- Help states reduce dioxin and other air pollutant emissions from open waste burning
- Help state public health and environmental agencies to improve coordination and integration on priority toxics and develop integrated action steps for the future

PBT & Priority Chemical Groups:

- Interstate Mercury Reduction & Education Clearinghouse & Related Subcommittees
- Mercury Reduction Workgroup
- Lamp Recycling Outreach Workgroup
- Open Waste Burning Workgroup

Hazardous Waste Goals:

- Prioritize types of hazardous waste (HW) and generator business sectors/groups that are important to address regionally through policy and program coordination and information sharing
- Improve the management of hazardous waste and hazardous waste minimization
- Help states to measure and communicate the value and impact of the HW programs
- Help states improve the ability of their staff to implement the Resource Conservation and Recovery Act (RCRA) programs

- Help states articulate a regional consensus on HW policy and programmatic issues to EPA and other federal agencies

Hazardous Waste Groups:

- RCRA Regulations & Policy Workgroup
- Common Measures Project
- HW Training Advisory Committee

Assistance & Pollution Prevention Goal:

- Enhance the capabilities of the state and local government environmental officials in the Northeast to implement effective multi-media source reduction and assistance programs to promote sustainability, improve public health and the environment, address environmental problems

Environmental Assistance & P2 Groups:

- Northeast States Assistance & Pollution Prevention Roundtable Steering Committee
- Pollution Prevention Information Dissemination Workgroup
- Assistance & Pollution Prevention Metrics Workgroup
- Outreach and Assistance to Marinas Workgroup
- Pollution Prevention Innovative Technology Networking Group

Waste Site Cleanup & Brownfields Goals:

- Increase interstate coordination to improve state voluntary site cleanup and Brownfields programs
- Improve the efficiency and effectiveness of waste site characterization and remediation at contaminated sites in the Northeast
- Improve the long-term stewardship and effectiveness of institutional controls at contaminated sites in the Northeast

Waste Site Cleanup Groups:

- Brownfields Workgroup

A copy of the list of members of these NEWMOA Workgroups and Networking Groups is available on the NEWMOA website at www.newmoa.org/about/workgroups.cfm. NEWMOA is supported by NEWMOA member states dues and contracts and by grants from the U.S. EPA.

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FISCAL YEAR 2007 PROJECT Solid Waste

Solid Waste Program Coordination

Project Strategy: Help the NEWMOA member states improve the effectiveness of their solid waste programs by facilitating information sharing on program activities, resources, successes, and challenges. Identify priorities and successful approaches for NEWMOA's regional activities to support state solid waste programs, including developing training priorities.

NEWMOA coordinates a Solid Waste Steering Committee. The main activity of the Committee has been to coordinate the member states through regular conference calls and targeted meetings to discuss various priority solid waste issues. In FY 2007 NEWMOA will continue to support the state solid waste programs through e-mails and periodic conference calls on such priority topics as: reuse of construction and demolition wastes and increasing commercial recycling. NEWMOA will also maintain the solid waste area of its website to provide information about the Association's various solid waste-related projects.

This project is funded by a grant from EPA.

For more information contact: Jennifer Griffith, NEWMOA, (617) 367-8558 x303;
jgriffith@newmoa.org.

FISCAL YEAR 2007 PROJECT

Solid Waste

Solid Waste Interstate Flow Measurement

Project Strategy: Keep the states informed about the flow of municipal solid waste within and outside of the region to facilitate improved solid waste planning in the states.

All of the NEWMOA states gather data on solid waste imports and/or exports in order to generate more accurate information about recycling and waste diversion activities. The need to share information on a regional basis is amplified by the consolidation of the solid waste management industry and the corresponding vertical integration of companies, from providing collection services to the ownership of disposal facilities.

In May 2000 NEWMOA initiated a project to compile and analyze the data gathered from solid waste facilities for their 1999 activities. The December 2000 report, *Interstate Flow of Municipal Solid Waste Among the NEWMOA States* characterized the flow of municipal solid waste among the NEWMOA states and identified gaps in the data collection and other sources of potential data inaccuracies. The states have undertaken a similar data collection and analysis each year and have produced reports on the 2000 and 2002 data. Each report contains a comparison with the data from all the prior years. The three reports are available in the solid waste area of the NEWMOA website at: www.newmoa.org/solidwaste/flow.cfm. The data collection and analysis effort was also undertaken for the 2001, 2003, and 2004 data and graphical presentations of the draft data were developed for use by the states. However, due to budget constraints, reports were not published for those years.

The NEWMOA states have established an infrastructure through the Solid Waste Metrics Workgroup by which information can be shared and compared on an annual basis. The information provided through this project has proven critical to informing state and regional discussions on ensuring disposal capacity, strengthening recycling, and other waste diversion activities. Through this project the states have a forum to: reconcile data; monitor trends in waste flow; and discuss new or anticipated developments that could impact solid waste interstate flow in the Northeast. The states have also used the reports to make decisions as to what additional information they need to more accurately characterize waste flow and to identify data changes that might be beneficial on both a state and regional level.

In FY 2007 if funding is available, the NEWMOA Workgroup plans to collect and analyze data from the 2005 calendar year to develop tables and graphs for state use.

This project has been funded by a grant from EPA.

For more information visit www.newmoa.org/solidwaste/flow.cfm or contact: Jennifer Griffith, NEWMOA, (617) 367-8558 x303; jgriffith@newmoa.org.

FISCAL YEAR 2007 PROJECT Solid Waste

Construction & Demolition (C & D) Debris

Project Strategy: Improve state understanding of C& D generation, processing and disposal capacity, end-use markets, and interstate flow; develop effective strategies to improve C & D waste management and increase beneficial uses.

The management of construction and demolition (C & D) waste is an important waste management concern in the NEWMOA-member states. The construction industry is active and the capacity of C & D waste management facilities in the region is shrinking; particularly the availability of landfill space for unprocessed material. Some C & D wastes contain toxics, including lead, arsenic, asbestos, PCBs, mercury, and other contaminants.

In 2002 NEWMOA initiated a project that focused on the measurement of state C & D waste processing and disposal capacity and the interstate flow of C & D wastes and recovered materials. The resulting report, based on data from 2001 and 2002 is posted in the solid waste area of the NEWMOA website at www.newmoa.org/solidwaste/cd.cfm.

In FY 2007 NEWMOA will share C&D information through the C & D Networking Group that provides a forum for the states to discuss important C & D management and policy issues.

This project is funded by a grant from EPA.

For more information contact: Jennifer Griffith, NEWMOA, (617) 367-8558 x303; jgriffith@newmoa.org.

FISCAL YEAR 2007 PROJECT Solid Waste

Beneficial Use Determinations

Project Strategy: Help NEWMOA member states improve their beneficial use determination (BUD) programs through sharing information.

A variety of companies and individuals periodically approach state waste programs with plans to turn a previously discarded material into a commodity and ask for a determination that the proposed use is acceptable. These so-called Beneficial Use Determinations (BUDs) allow a waste that was previously disposed to be used in new applications, materials, and products, and thereby reducing disposal cost and, in some cases, providing a new source of income. In light of their shrinking waste disposal capacity, the NEWMOA states are interested in supporting the reuse of non-hazardous waste materials as a way to reduce the amount of material sent to disposal facilities. However, states are concerned about the environmental impacts of these alternative uses. In addition, responding to the individual proposals places demands on state staff resources.

In FY 2007 NEWMOA is initiating a new project with EPA that includes NEWMOA member states and five states outside the NEWMOA region. The main objective of the new project is to improve the information contained in the existing, members-only online BUDs database that was developed by NEWMOA in 2001. NEWMOA will work with the states to increase the number of fields in the database and to upload the most recent state data. The project will also serve as a forum to share information on the pros and cons of various states' BUD program approaches.

The effort is funded by a grant from EPA.

To access fact sheets developed on specific BUDs visit www.newmoa.org/solidwaste/bud.cfm. For more information on NEWMOA's BUDs efforts contact: Jennifer Griffith, NEWMOA, (617) 367-8558 x303, jgriffith@newmoa.org; or Andy Bray, NEWMOA, (617) 367-8558 x306, abray@newmoa.org.

FISCAL YEAR 2007 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Mercury Reduction & Control Strategies in the Northeast

Project Strategy: Reduce mercury products in the waste stream; where that is not feasible establish a comprehensive collection system for mercury products; establish effective mercury reduction programs in the states by sharing information on program activities, successes, and challenges

The Northeast state environmental and health agencies are concerned about elevated levels of mercury in the environment throughout the region. To address this problem the states have joined together in an effort to better understand the nature and extent of this problem and to develop joint approaches to reduce and control this pollutant.

The New England Governor's and Eastern Canadian Premiers approved a regional Mercury Action Plan in FY 1998. In FY 2007 NEWMOA will continue to collaborate with the Mercury Task Force convened by the New England Governor's Conference/Eastern Canadian Premiers Secretariat on several efforts related to the Action Plan. These efforts include:

- managing a Mercury Workgroup
- preparing a paper documenting achievements in mercury reduction in the region
- assisting states with coordination, communications, and implementation of NEWMOA's Mercury Education and Reduction Model Legislation, which was developed by the state environmental agencies
- managing the Interstate Mercury Education and Reduction Clearinghouse (IMERC) (see full project description)
- managing outreach and assistance projects for schools (see full project descriptions)
- managing a number of web-based projects to facilitate mercury information sharing (see full project description)
- managing a lamp recycling outreach project (see full project description)

The effort is funded by grants from EPA and state contracts and dues.

For more information visit www.newmoa.org/prevention/mercury/ or contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Interstate Mercury Education & Reduction Clearinghouse (IMERC)

Project Strategy: Facilitate interstate coordination on implementation of mercury-added product legislation.

Starting in 1999 the states in the Northeast and other parts of the country actively began to pursue enactment of legislation focused on reducing mercury in products and waste. In 2001 NEWMOA launched the Interstate Mercury Education and Reduction Clearinghouse (IMERC) to provide ongoing technical and programmatic assistance to states that have enacted mercury education and reduction legislation; a single point of contact for industry and the public for information on mercury-added products and mercury education and reduction programs

Overall IMERC facilitates deliberations that provide advice and assistance to the individual states for their decision-making. IMERC:

- collects and manages data submitted by manufacturers of mercury-added products, as necessary to implement the Notification provisions of state mercury reduction legislation;
- facilitates interstate collaboration on the development and implementation of public education and outreach programs on mercury-added products;
- makes information on mercury-added products available to industry and the public;
- responds to public information requests for information on mercury-added products, the requirements of the Act, and the status of state implementation of the Act; and
- provides technical assistance, facilitates reviews, and makes recommendations to the member states concerning (i) manufacturers' applications for exemptions to the phase-out of mercury-added products; (ii) manufacturers' applications for alternative labeling of mercury-added products; and (iii) manufacturers' plans for collection and proper waste management of mercury-containing materials.

IMERC's membership includes NEWMOA and non-NEWMOA member state government agencies. These include California, Connecticut, Illinois, Maine, Massachusetts, Minnesota, New Hampshire, New Jersey, New York, North Carolina, Rhode Island, Vermont, and Washington. All member states pay an annual fee. All member states have a vote on the recommendations made by the Clearinghouse to the states. All state representatives to IMERC are appointed by the responsible State Agency Commissioner/Director.

IMERC is funded by member state dues.

For more information visit www.newmoa.org/prevention/mercury/imerc.cfm or contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Mercury Topic Hub

Project Strategy: Enable the states to establish effective mercury reduction programs by providing easy-access to information on the issues associated with mercury and its use in various applications and products.

There is an abundance of pollution prevention related information available online. However, this information is often scattered throughout the World Wide Web, is often not well organized, and is not compiled or placed into a logical context. To address this, the Topic Hub™ project, developed by the Pollution Prevention Resource Exchange (P2Rx™), provides collections of online publications related to a specific sector or topic that have been reviewed, annotated, organized, and placed into some context.

In Fiscal Year 2001- 2006, NEWMOA created and maintained a National Mercury Topic Hub™ that provides general background information on mercury and its use as well as detailed information on mercury in dental clinics, thermometers, thermostats, and cars. These areas of the Mercury Topic Hub™ include:

- an overview of the issues associated with the use of mercury
- background to give assistance providers and others information on these sources and where the products are used
- P2 opportunities and mercury-free alternatives to traditional products
- references to applicable compliance information or resources
- an annotative bibliography with links to publications
- information on mercury reduction activities of federal, state, local, and tribal programs pulled from the National Mercury Reduction Programs Database

In Fiscal 2007 NEWMOA plans to update and improve the Mercury Topic Hub™ by adding new resources as deemed appropriate, and checking the links on a monthly basis.

This project is funded by EPA Headquarters under P2Rx™ and by in-kind support from the states.

To access the Mercury Topic Hub™ visit www.newmoa.org/prevention/topichub/. For more information contact: Andy Bray, NEWMOA, (617) 367-8558 x306; abray@newmoa.org.

FISCAL YEAR 2007 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Mercury Reduction in Schools in Massachusetts & New York

Project Strategy: Remove unnecessary mercury and mercury-containing products from schools in Massachusetts; assist with planning and delivering workshops on mercury and mercury school cleanout for public school and Board of Cooperative Education Services (BOCES) officials in New York State.

Schools have significant quantities of bulk mercury in storage or contained in materials and products. During the past several years, a number of accidental releases have been documented in schools across the region. These releases have been costly for schools and have resulted in preventable exposures to children and staff. The New England Governor's Conference/Eastern Canadian Premiers Secretariat Mercury Action Plan and the Massachusetts Zero Mercury Strategy have identified the removal of mercury from schools as an important step in achieving the goals of virtual elimination of mercury use and release.

NEWMOA has developed guidance for conducting school mercury audits (www.newmoa.org/prevention/mercury/schools/) and prepared curriculum for middle and high schools on the sources, uses, safety issues, and health risks associated with mercury. Through this program, NEWMOA has been working with local officials to facilitate mercury clean-outs at participating schools and to ensure that mercury-containing products are not reintroduced at the schools in the future. NEWMOA has also provided information on broader chemical inventory management and safety issues to the participating schools.

In FY 2007 NEWMOA will continue its efforts to educate school officials on the important issues associated with mercury and to facilitate mercury-free schools in Massachusetts. NEWMOA will facilitate the clean-out of Massachusetts schools in FY 2007 and lead half-day workshops for school and BOCES (Board of Cooperative Education Services) officials in New York State. NEWMOA will also complete an assessment and report addressing mercury products and feasible alternatives in schools, and assist the Massachusetts Department of Environmental Protection in developing outreach materials for informing schools about the requirements in the new Massachusetts mercury products legislation.

This project is funded by the Massachusetts Executive Office of Environmental Affairs and the Department of Environmental Protection and the New York State Department of Environmental Conservation.

For more information visit www.newmoa.org/prevention/mercury/schools/ or contact: Meg Wilcox, NEWMOA, (617)367-8558 x305; mwilcox@newmoa.org.

FISCAL YEAR 2007 PROJECT
Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority
Chemicals

Lamp Recycling Outreach Project

Project Strategy: Increase the recycling of mercury-containing lamps in the Northeast states and identify effective outreach approaches that increase lamp recycling from businesses.

Fluorescent and high-intensity discharge (e.g., mercury vapor, metal halide, high pressure sodium) lamps contain mercury. All NEWMOA states have universal waste rules, which cover some if not all mercury-containing lamps. Mercury-containing lamps (that are determined to be universal waste based on state regulations) must be either recycled or disposed of as hazardous waste. Currently only approximately 20 percent of mercury-containing lamps are being recycled in the northeast. This low recycling rate is due to many factors, including low awareness of the need to recycle lamps, minimal enforcement, and the perception that lamp recycling is not convenient for small businesses.

In 2004 with EPA funding, NEWMOA initiated a project to double the recycling rate of lamps by educating people about the need to recycle and the options available for recycling. To achieve this goal, NEWMOA established and coordinated a Lamp Recycling Outreach Workgroup, developed outreach tools for the states to use, and piloted specific approaches to target audiences. In the first year of the project, the Workgroup focused on encouraging electrical distributors to set up reverse distribution, or lamp take back programs, to increase available options for recycling lamps. It convened three sub-regional meetings with electrical distributors, recyclers, and EPA Regions 1 and 2. The specific goals of the meetings were to educate distributors about the states' lamp management requirements, encourage them to develop lamp take back programs for their customers, and stimulate business to business dialogue between the distributors and the recyclers. In the second and third years of the project, NEWMOA focused on outreach to property managers and tanning salon operators, and researched the use of mercury lighting at municipal wastewater and drinking water facilities. NEWMOA also completed an analysis of the lamp data in the Mercury-added Products Database and published a briefing paper on Mercury Use in Lighting.

In FY 2007, NEWMOA will evaluate its work on the project, including assessing regional recycling rates, and continue to coordinate state lamp recycling activities through periodic conference calls and email exchanges.

For more information visit www.newmoa.org/prevention/mercury/lamprecycle/ or contact: Meg Wilcox, NEWMOA, (617)367-8558 x305; mwilcox@newmoa.org.

FISCAL YEAR 2007 PROJECT
Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority
Chemicals

Dental Amalgam Waste Collection & Management Project

Project Strategy: Increase the collection of dental amalgam waste through outreach efforts to educate dentists in New York and New Jersey about state requirements and key best management practices for dental amalgam waste.

Dental amalgam contains approximately 50 percent mercury and when dentists fill teeth with amalgam or existing amalgam fillings are repaired or removed, associated wastes are generated. Some of this amalgam waste is discharged in the wastewater from the dental chair and some of it becomes a solid waste. Mercury contamination in water bodies throughout New York and New Jersey is a well documented problem and has been a high priority for both of the states and EPA for over a decade. Dental amalgam waste needs to be managed properly to prevent releases to the environment through the wastewater discharges and through improper management of the waste materials.

The use of dental amalgam separators at dental offices can help to effectively collect dental amalgam waste. These separators are designed to fit on the water lines of the dental offices to extract and separate the mercury in the wastewater and collect it for proper disposal. New York State enacted a 2003 law that requires the collection and recycling of dental amalgam waste and the NYS DEC has promulgated rules for implementing this requirement, including mandatory amalgam separator installation at dental clinics. New Jersey DEP has begun to develop some outreach and assistance programs for dentists in the state and is currently considering options for promoting adoption of dental amalgam separators at NJ dental clinics.

In FY 2007 NEWMOA will collaborate with NYS DEC officials to print and mail a poster for dentists to use in their offices that summarizes key best management practices for dental amalgam wastes. The purpose of this poster is to provide an easy to read, visible reminder to dentists and their staff of the basic key practices for proper management of amalgam waste.

This project is funded by EPA Region 2.

For more information contact: Meg Wilcox, NEWMOA, (617)367-8558 x305;
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FISCAL YEAR 2007 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Reducing Uncontrolled Open Burning of Solid Waste in the Northeast

Project Strategy: Reduce releases of dioxin related to barrel burning of trash; coordinate with NESCAUM on their assessment of major sources of dioxin emissions in the Northeast.

Dioxin is a class of highly toxic and persistent chemicals that are frequently associated with various combustion sources of air pollution. EPA is preparing to release a report reevaluating the health risks of dioxin and its major sources. According to the preliminary results of this analysis, backyard burning of residential waste is a significant uncontrolled source of dioxin emissions. The Agency anticipates that its report will demonstrate the significance of the health effects of dioxin, both cancer and non-cancer risks, and the impact of air pollution control efforts on reducing dioxin emissions nationwide.

Open burning of domestic waste is an important challenge in the overall efforts to control dioxin emissions in the Northeast. The Northeast state environmental agencies are developing effective ways to reduce this source of dioxin and other air pollutant emissions in the region. The goals of this project are to facilitate and coordinate the northeast states' activities to:

- Understand the scope and nature of open waste burning in the Northeast by conducting an emissions inventory of sources
- Assess solid waste capacity and costs associated with alternatives to waste burning
- Develop consistent assistance activities in the region to promote compliance with regulations
- Develop and implement effective public outreach campaigns throughout the region
- Coordinate with other EPA regional offices (beyond EPA Regions 1 and 2) to develop and distribute education and outreach materials

In FY 2007 NEWMOA plans to undertake the following:

- Continue to support state education campaigns and strategies
- Continue to coordinate with NESCAUM to support state efforts to reduce open burning of waste
- Continue to manage Open Waste Burning Workgroup
- Hold a workshop on agricultural plastics recycling

This project is funded by EPA Region 1-New England.

To access public outreach materials developed under this project visit www.newmoa.org/solidwaste/burning.cfm. For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT
Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority
Chemicals

Integrated Chemicals Policy & Management Project

Project Strategy: Assist states with identifying emerging chemicals of concern and improve coordination among various agencies concerned with toxics in the environment.

In FY 2007 NEWMOA will continue a regional interstate chemical coordination and integration project for the Northeast states. The overall purpose of such an initiative in the region is to reduce risk by developing greater consensus on priority toxics for future action; improving coordination and integration among key public health and environmental agencies; informing the participants about ongoing data collection efforts at EPA, including EPA's High Production Volume and Children's Health data and new risk models; and developing integrated action steps for the future. This regional project is complemented by model state projects in Maine and Massachusetts that examine ways to coordinate among key groups and agencies in individual states on integrated toxics education and reduction activities. The state projects are managed and supported by the Maine Department of Environmental Protection (ME DEP) and the Massachusetts Toxics Use Reduction Institute (MA TURI) and supported by partial funding and assistance from NEWMOA. NEWMOA, ME DEP, and MA TURI are coordinating their respective regional and state efforts throughout the project.

In FY 2007 the project will focus on the following tasks:

- organize a national conference on the high production volume chemicals challenge program (see full project description)
- continue to identify key state and tribal agencies, programs and individuals involved in toxics analysis and reduction activities
- discuss how to identify potential priority toxics for future action
- develop a final report describing the results of these activities

This project is funded by a contract from the Environmental Council of the States (ECOS).

For more information visit www.newmoa.org/prevention/chemicalspolicy/ or contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

**FISCAL YEAR 2007 PROJECT
Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority
Chemicals**

High Production Volume Chemicals National Conference

Project Strategy: develop and hold a national conference on High Production Volume (HPV) chemicals in partnership with EPA Headquarters

NEWMOA will take the lead to organize a three-day national conference to be held in December 2006 to:

- Educate a wide variety of stakeholders about the EPA High Production Volume (HPV) Challenge Program, as well as other sources of HPV chemical health and safety data
- Share experiences of key stakeholders with the use of and research involving HPV health and safety information
- Engage attendees to develop ideas on how to make HPV chemicals health and safety information user friendly, accessible, and relevant to a diverse audience

Conference partners & co-sponsors will include: Association of State and Territorial Solid Waste Management Officials (ASTSWMO); Council on Environmental Cooperation (CEC); Environmental Council of States (ECOS); National Pollution Prevention Roundtable (NPPR); and the Lowell Center for Sustainable Production (LCSP). The target audience for the conference will include: federal, state, tribal, and local environmental and public health officials; academic researchers; industry representative; non-governmental organizations; and others with an interest in HPV chemical health and safety data.

In FY 2007, NEWMOA will finalize the conference agenda, communicate with speakers and the conference steering committee, manage registration through the NEWMOA website, collect presentations for the conference, and manage all of the conference logistics.

This effort is funded by EPA Headquarters.

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT Hazardous Waste

Advanced RCRA Inspector Training

Project Strategy: Enhance the technical knowledge and programmatic skills of RCRA inspectors and policy and legal staff.

Hazardous waste inspectors across the Northeast have a need for ongoing training on new requirements, regulations, policies, and procedures that EPA has developed. They are also interested in sharing information on state regulatory interpretations that may be important to their field activities. NEWMOA developed advanced RCRA Training programs for state inspectors in the Region in Fiscal 2001, 2003, 2004, 2005, and 2006 to cover these topics.

The states have identified holding these sessions again in FY 2007 as a priority. Training topics of priority interest to states are listed below. As in previous years, NEWMOA will convene states-EPA Workgroup to help design and plan at least two RCRA inspector workshops that will satisfy current state training priorities. Topics for live training events include: implementation problems/issues with the new federal Hazardous Waste Manifest System; preservation and proper handling of electronic evidence; lab analysis methods and interpretation training; state regulation of fuel-to-fuel and off specification chemicals as fuel; regulation of closed-loop systems, including evaporation of HW; application of AA-BB-CC Rules; and, regulation of Hazardous Waste /Solid Waste rail transfer facilities.

Web conferences or conference calls will be convened to cover topics that cannot be included in the workshops. Conference calls/ web conferences are planned to provide training and information exchange on:

- pharmaceutical waste regulatory issues: state and EPA policies
- innovative state oversight tools: self certification, ERP, and standardized permits
- gasoline water waste from gas stations/junkyards
- state regulation of precious metals, including spent photo fixer
- EPA closure requirements for HW generators and related cost estimation
- bankruptcies and RCRA compliance and enforcement
- determining economic benefit derived from non-compliance
- states-EPA hospital compliance issues and programs
- top five HW violations and top five penalty HW violations/each state
- state approaches for streamlined HW inspections
- EPA recycling rules if proposed

This effort is funded by EPA Region 1-New England.

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FISCAL YEAR 2007 PROJECT Hazardous Waste

Common Measures Project

Project Strategy: Develop and use common measures of environmental performance for one or more business sectors/groups across several NEWMOA member states. The purpose is to advance the use of valid statistical methods and measurement tools to enable comparison of performance changes across states resulting from the use of various environmental compliance assurance approaches.

In Fiscal 2007 the NEWMOA state environmental agencies will develop and use shared core performance measures for one or more business sectors or regulated groups. The project will rely on the models of innovative compliance strategies, including the Environmental Results Program (ERP) and other statistically valid compliance/performance rate approaches already in use. By developing and using shared measures, the participating states can not only evaluate the effectiveness of their own programs, but can also evaluate the relative effectiveness of the other states' programs and decide to adopt the more successful compliance assurance approaches used throughout the region. The project goals are to:

- Improve the ability of state environmental agencies to develop, implement, and analyze innovative performance measures for targeted business sectors
- Improve the ability of the state environmental agencies to develop and implement innovative compliance strategies, including ERP

Project objectives:

- Develop and implement a common, core set of performance measures for business sectors or regulated groups on a multi-state basis
- Promote the implementation of innovative compliance strategies, including ERP, in the states in the Northeast that have not yet begun these initiatives, including New York and New Jersey
- Combine and present the environmental outcome data that is collected from the states using the core performance measures for at least one business sector and analyze and present the results

Anticipated project results:

- Illuminate the nature, scope and seriousness of problems within each selected sector
- Quantify environmental performance in the selected sectors
- Record group environmental performance status and changes over time
- Facilitate general comparisons of the effectiveness and efficiency of different state compliance assurance strategies within the same sector
- Enable participating states to better focus their limited resources on specific problem areas and to use those strategies that have been demonstrated to achieve the greatest environmental results improvements in the future.

In Fiscal 2007 the participating state staff will receive training on measurement and the use of statistical methods along with direct technical assistance and support from NEWMOA staff, experienced state staff, and consultant contractors to assist them with their state's project participation.

This effort is funded by an EPA grant to the MA DEP. MA DEP has contracted with NEWMOA to provide administrative and other support services to the project.

For more information visit www.newmoa.org/hazardouswaste/ or contact: Bill Cass, NEWMOA, (617) 367-8558 x301; wcass@newmoa.org.

FISCAL YEAR 2007 PROJECT Assistance & Pollution Prevention

Northeast States Assistance & Pollution Prevention Roundtable & Newsletter

Project Strategy: Facilitate the identification of priorities and successful approaches for regional activities to support state P2 and environmental assistance programs; facilitate the sharing of program resources and materials

The Northeast States Assistance & Pollution Prevention Roundtable has been meeting since 1989 to facilitate information sharing, training, and joint policy development among the state programs in the Northeast. The Northeast Assistance and Pollution Prevention Roundtable mission is to enhance the capabilities of the state and local government environmental officials in the northeast to implement effective multi-media source reduction and assistance programs to promote sustainability and improve public health and the environment. The Northeast A & P2 Roundtable meeting agendas and activities are set by a Steering Committee consisting of a representative from each state.

In FY 2007 the Northeast A & P2 Roundtable will meet four or five times via web conference to share technical and programmatic information, discuss proposals for P2 policies and regulations, coordinate on joint projects, and initiate other activities. The Roundtable will also organize a regional meeting of state, local, and federal assistance and P2 programs to share information and strategies.

The NE A & P2 Roundtable will publish two issues of the *Northeast States Pollution Prevention News* in hard copy and online. The newsletter provides unique coverage of state and local P2 activities in the region. To view past and current editions of the newsletter visit www.newmoa.org/prevention/newsletter.cfm.

This effort is funded by EPA Region 1-New England.

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT Assistance & Pollution Prevention

Northeast Regional Pollution Prevention Information Center & P2Rx National Program Management

Project Strategy: Increase the adoption of pollution prevention technologies and techniques by improving the dissemination of pollution prevention information and expertise.

P2Rx is a national network of eight regional pollution prevention information centers dedicated to improving the dissemination of pollution prevention information in the service provider community. The Centers provide pollution prevention information, networking opportunities, and other services to state and local government and technical assistance providers in their region. The National Network represents a broad base of programs, including state and local pollution prevention programs, manufacturing extension partnerships, cooperative extensions, and nonprofit organizations. As a result of the diverse audience that Centers serve, the P2 information developed by and available through P2Rx is extensive.

NEWMOA manages the P2Rx Regional Center for EPA Regions 1 & 2. NEWMOA also coordinates the efforts of all of the P2Rx Centers by filling the role of the P2Rx National Program Manager. The goals of the P2Rx National Network are to:

- serve as the first stop for P2 information
- increase the awareness, accessibility, and usability of P2 information
- facilitate dynamic regional P2 networks
- enable others to measure and communicate the impacts of their P2 efforts

To work towards these goals in FY 2007, P2Rx will focus on:

- developing a five year strategic plan for P2Rx
- promoting P2Rx resources and services to potential users
- establishing strategic partnerships

The Regional P2Rx Center at NEWMOA provide answers to general questions on waste reduction, find specific articles, or perform database and library searches. NEWMOA's P2Rx Center offers:

- topical collections of online resources know as Topic Hubs™:
www.newmoa.org/prevention/topichub/
- referrals to regional and national P2 experts through the Northeast Environmental Assistance Program Directory (www.newmoa.org/prevention/programs/) and the P2Rx National Program Directory (www.p2rx.org/Networking/NationalProgram.cfm)
- a database of over 500 P2 activities performed by assistance programs throughout the region:
www.newmoa.org/prevention/activities/
- online regional and national P2 news features: www.newmoa.org/prevention/p2news/
- innovative P2 technology profiles: www.newmoa.org/prevention/p2tech/

- a “Rapid Response” research service: www.newmoa.org/about/library.cfm
- an online calendar of events, including trainings and workshops:
www.newmoa.org/calendar/
- access to resources at other regional P2Rx Centers: www.p2rx.org
- a virtual P2 library of Northeast state P2 publications:
www.newmoa.org/publications/statepubs.cfm

In addition to continuing these services, NEWMOA’s P2Rx Center priorities for FY 2007 are:

- publish a Topic Hub on P2 for consumers
- highlight the effective aspects of P2 internship programs and promote their adoption and utilization
- develop innovative P2 technology profiles, highlighting the benefits and limitations of the technologies
- work with the other regional P2Rx Centers to further develop the national P2 News network

This effort is funded by EPA Headquarters.

For more information visit www.newmoa.org/prevention/, www.p2rx.org, or contact: Andy Bray, NEWMOA, (617) 367-8558 x306; abray@newmoa.org.

FISCAL YEAR 2007 PROJECT Assistance & Pollution Prevention

Energy & Materials Flow & Cost Tracker (EMFACT)

Project Strategy: develop and disseminate widespread training on an effective and easy-to-use materials use and profitability software tool.

For over 15 years since the passage of the Pollution Prevention Act, manufacturers and government agencies have consistently faced the challenge of poor information systems for evaluating pollution prevention (P2) opportunities. Successful pollution prevention is based on an entity's ability to understand and improve its choice and use of materials and the associated financial impacts. This project will build upon the current scientific and engineering applications of environmental management accounting as a critical aspect of sustainable production and P2. Short term success will be the development and dissemination of and widespread training on an effective and easy-to-use materials use and profitability software tool, called the Energy and Materials Flow and Cost Tracker (EMFACT). The long term success would be the widespread and routine adoption and utilization of the tool and associated improvements in efficiency and reductions in emissions and wastes among the users of the tool.

NEWMOA will cooperate with the Massachusetts Office of Technical Assistance (MA OTA) for Toxics Use Reduction on managing this project and pilot testing the tool. The primary beneficiaries of this project would be those companies and organizations that implement the materials use and profitability tool to aid them in setting P2 priorities, identifying value-added opportunities for sustainable production, and implementing other materials and energy efficiency improvements. The state and local environmental and technical assistance programs and private sector consultants would also be key beneficiaries because having the proposed tool would improve their effectiveness in helping companies identify P2 opportunities and in quantifying the benefits and costs of prevention programs and strategies for key policy makers. A key beneficiary would be the public that benefits from the pollution that is prevented through the use of the tool, including wastes and emissions that are reduced during manufacturing, transportation, and raw materials production.

In FY 2007 NEWMOA will develop the proposed software tool.

This project is funded by the EPA Office of Research and Development.

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302;
tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT Assistance & Pollution Prevention

Innovative Pollution Prevention Technology

Project Strategy: Facilitate appropriate adoption of innovative P2 technologies by improving the ability of the state technical assistance program staff to present information on the technology's capabilities and limitations.

The NEWMOA states recognize that innovative pollution prevention (P2) technologies can improve the environmental performance of companies, often while saving money and resources. However, credible information about innovative technologies is not often readily available. NEWMOA is managing a P2 Technology Networking Group made up of one or more staff members from each of the Northeast states whose purpose is to focus on innovative technologies that are of interest to several states and develop useful information that advances technology adoption.

The P2 Technology Networking Group has developed four P2 Technology Profiles that compile and distill all available information on the technology to provide a succinct overview. To date, the P2 Technology Workgroup has prepared P2 Technology Profiles on: closed-loop vapor degreasing; closed-loop aqueous cleaning; substituting chromium III for chromium VI in metal finishing; and computer-to-plate technology for lithographic printing. The profiles are available on the NEWMOA website at: www.newmoa.org/prevention/p2tech.

In FY 2007 NEWMOA will develop three additional profiles. The technologies that will be profiled are chemical-free cooling tower technologies and alternative spray gun cleaner technologies. The final technology will be selected by researching to identify technologies with significant potential to improve environmental performance.

This project is funded by EPA Headquarters as part of NEWMOA's work under the Pollution Prevention Resource Exchange (P2Rx) and by in-kind support from states.

For more information visit www.newmoa.org/prevention/p2tech or contact: Andy Bray, NEWMOA, (617) 367-8558 x306, abray@newmoa.org.

FISCAL YEAR 2007 PROJECT Assistance & Pollution Prevention

Assistance & Pollution Prevention Measures

Project Strategy: Help state P2 and compliance assistance programs to present comprehensive data on their activities and results to policy makers, agency managers, EPA, and others.

NEWMOA has been facilitating a regional project to help states implement a set of metrics for states to use in tracking their pollution prevention (P2) and compliance assistance (CA) activities for more than five years to:

- effectively communicate the activities and accomplishments of the state and local agencies to policy makers
- improve program management
- measure progress toward goals
- provide program funders with relevant activity and outcome information

The NEWMOA project began with formation of a P2 Metrics Workgroup, consisting of state P2 and CA program representatives, and development of a 1998 NEWMOA report, *Pollution Prevention Progress in the Northeast*, that documents the accomplishments and activities of 16 P2 and CA programs in the region from 1990 – 1996. Following publication of the report, NEWMOA worked with the P2 Metrics Workgroup to develop a menu of 40 activity and outcome environmental assistance and pollution prevention metrics. The NEWMOA Workgroup developed a common software program to support state implementation of the menu.

NEWMOA developed a Microsoft Access-based database and issued Version 1.0 in 2002, Version 2.0 in 2003, Version 2.5 in 2004, and Version 2.75 in 2005. The software contains four sections for program activities: client project; production of educational material; workshop/training event; and respond to information request. The database system tracks environmental, behavioral, and economic outcomes relating to these activities. NEWMOA has developed a data dictionary and a user's manual and trained state programs on the use of the database. In FY 2004 NEWMOA developed interactive reports to aggregate data from the database and trained users in how to input data, output develop reports, and manage the software. In FY 2004 - 2005 NEWMOA helped initiate and co-chair a National P2 Results Task Force.

In FY 2007 NEWMOA will support the National P2 Results Task Force, implement a regional module of the National P2 Results System on its website in coordination with the other P2Rx Centers, develop and disseminate an updated version of the NEWMOA P2 & CA Measurement Software, and convene a regional meeting to discuss P2 and CA measurement initiatives.

This project is funded by EPA Region 1-New England and a contract with the Pollution Prevention Resource Center (PPRC)

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FISCAL YEAR 2007 PROJECT Assistance & Pollution Prevention

Coordinating Outreach & Assistance to Marinas & Boatyards

Project Strategy: Enhance the ability of the state agencies to implement effective environmental assistance programs to marinas in the region.

The state environmental agencies in the Northeast are working with EPA and each other on the development of compliance and pollution prevention assistance strategies and tools for marinas in the region. Marinas can have a large number of environmental impacts, including point source and non-point source waste water discharges, storm water runoff, hazardous and solid waste generation, air emissions, fuel spills, spills of other hazardous materials, discharges from boat washing and maintenance operations, and other impacts on the marine environment.

In FY 2007 NEWMOA will assist the states' and EPA marina and clean marine engine outreach and assistance efforts by facilitating the regional Marina Workgroup. The group will hold periodic conference calls focusing on sharing information on plans underway in each state and how these can be coordinated with EPA's marina strategy and each other. NEWMOA also sponsors a Marina Outreach Webpage and listserv to facilitate electronic information sharing.

This project is funded by EPA Region 1-New England.

For information resources on outreach and assistance to marinas, visit the Marinas Topic Hub at www.newmoa.org/prevention/topichub/.

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302; tgoldberg@newmoa.org.

FISCAL YEAR 2007 PROJECT Waste Site Cleanup & Brownfields

Brownfields

Project Strategies: Help states develop effective strategies for improving the effectiveness of voluntary site cleanups and redevelopment of Brownfields sites, and increase understanding of methods to meet state program requirements of the new Brownfields legislation.

NEWMOA performs research and serves as a forum for information sharing on voluntary site cleanup issues of priority to the states. In FY 2007 the states would like to share information on the following related topics:

- improving the effectiveness of institutional controls and other long-term stewardship issues
- incorporating sustainability concepts into brownfields programs and projects
- effectively incorporating historical preservation issues into Brownfields projects
- enhancing public participation

A Brownfields Workgroup consisting of state and EPA representatives was established in FY 2004 to participate in and oversee NEWMOA's work. NEWMOA communicates with the Workgroup primarily via e-mail and conference calls.

The main activity for FY 2007 will be to address state training needs. NEWMOA will organize and sponsor two face-to-face workshops; one on investigating and remediating vapor intrusion problems, and the other on investigation and remediation of sites contaminated with chlorinated solvent. In addition, NEWMOA will continue to organize and sponsor two states/EPA meetings to discuss Brownfields and voluntary site cleanup program implementation issues identified as state and/or EPA priorities. These have become regular semi-annual meetings held each year around October and May.

NEWMOA will also maintain the waste site cleanup area of its website to provide information about the Association's various waste site cleanup-related activities.

This project is funded by the New England State Environmental Agencies.

For more information contact: Jennifer Griffith, NEWMOA, (617) 367-8558 x303; jgriffith@newmoa.org.

FISCAL YEAR 2007 PROJECT Waste Site Cleanup & Brownfields

Oil Spill Act Implementation

Project Strategy: Improve response to coastal oil spills through strategies to protect sensitive coastal resource including: training of local and state staff, improved planning and preparedness; increased coordination of federal, state and local response capabilities; and local access to response equipment.

Massachusetts Department of Environmental Protection (MA DEP) has engaged NEWMOA and other contractors to assist in implementing a recently enacted Oil Spill Prevention and Remediation Law. The law includes preventive measures addressing marine oil transport safety and provides funds to assist with planning, equipment, and training to protect sensitive coastal resource areas with rapid local response and improved coordination with existing federal and state response programs. NEWMOA will provide MA DEP with administrative, technical, and staff support to:

- select, appoint and support an advisory committee
- develop and implement a training plan for state and local staff
- develop and implement a plan for selecting, purchasing, deploying, and maintaining equipment
- develop and implement plan for updating and validating Geographic Response Plans and providing appropriate technical support capabilities
- facilitate interstate cooperation and coordination

This project is funded by a contract with the MA DEP.

For more information contact: Bill Cass, NEWMOA, (617) 367-8558 x301; cass@newmoa.org.

FISCAL YEAR 2007 PROJECT Cross Program

NEWMOA Website

Project Strategy: Improve the marketing of NEWMOA's and its members' projects and activities through a user friendly and content rich website.

The NEWMOA Website (www.newmoa.org) was created in 1999. The NEWMOA website has grown significantly since its inception in both the volume of information it contains and the role it plays in helping the Association achieve its goals. In FY 2007 the NEWMOA website is undergoing a major upgrade to its infrastructure, navigation scheme, and information architecture to accommodate its growth and expanding role.

A number of the web resources on the website are discussed in other FY 2007 project descriptions. In addition to these resources the website contains the following:

- information on NEWMOA, its annual report, a list of the Workgroups, and a description of the Association's Projects (www.newmoa.org/about/aboutus.cfm)
- a calendar of events (www.newmoa.org/calendar/)
- pollution prevention news (www.newmoa.org/prevention/p2news/)
- electronic versions of NEWMOA's publications (www.newmoa.org/publications/)
- links to member state programs' Websites (www.newmoa.org/membersites/)
- members-only areas for state program staff and the NEWMOA Board of Directors
- compendia of past Northeast States Pollution Prevention Roundtable Web Conferences (www.newmoa.org/prevention/webconferences/)
- compendia of presentations from NEWMOA meetings, training events, and web conferences

In FY 2007 NEWMOA will continue to manage and update the website.

This project is funded by EPA and the NEWMOA member states.

For more information visit www.newmoa.org or contact: Andy Bray, NEWMOA, (617) 367-8558 x306; abray@newmoa.org.

FISCAL YEAR 2007 PROJECT Cross Program

NEWMOA Training

Project Strategy: Enhance the technical knowledge and programmatic skills of the professional staff and management of the state solid and hazardous waste, pollution prevention and waste site cleanup programs.

Since its inception in 1986 one of NEWMOA's key missions has been to provide professional training opportunities for state environmental agency staff and management on waste management, pollution prevention, and waste site cleanup technologies, policies and programs.

In FY 2007 the cross program professional training activities will include:

- a survey of the NEWMOA state environmental agencies on their training priorities and needs
- implementation of the results of the training survey and development of a schedule of conference calls, web conferences, and training workshops throughout the fiscal year

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302;
tgoldberg@newmoa.org.