

OVERVIEW OF NEWMOA'S PROJECTS

FISCAL YEAR 2009

March 2009

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 2009. 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
- Beneficial Use Determinations Workgroup
- Construction & Demolition Debris Measurement Workgroup
- Construction & Demolition Debris Gypsum Wallboard Management Workgroup
- Agricultural Plastics Recycling Workgroup
- Solid Waste Metrics Networking Group
- Disaster Debris Management 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:

- Mercury Workgroup
- Interstate Mercury Reduction & Education Clearinghouse & Related Subcommittees
- Lamp Recycling Outreach Workgroup
- Safer Chemicals 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 Workgroup
- 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 & Assistance to Marinas Workgroup
- EMFACT Advisory Group
- Hospitality Workgroup
- Pollution Prevention Innovative Technology Networking Group

Waste Site Cleanup & Brownfields Goals:

- Enhance the technical capabilities of state and federal waste site cleanup program staff in the Northeast to implement effective programs
- 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

Waste Site Cleanup Groups:

- Waste Site Cleanup Steering Committee
- Brownfields Workgroup
- Waste Site Cleanup Innovative Technology Networking Group

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.

For more information contact:

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FISCAL YEAR 2009 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 conference calls and web conferences to discuss various priority solid waste issues. NEWMOA also shares information via e-mail, and maintains the solid waste area of its website to provide information about the Association's various solid waste-related projects. In FY 2009 NEWMOA will continue to support the state solid waste programs on such priority topics as: making the connection between climate change and waste; innovative solid waste management technologies; effective methods to increase commercial recycling; and disaster debris management.

This project is funded by support from EPA.

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FISCAL YEAR 2009 PROJECT Solid Waste

Construction & Demolition (C & D) Debris Measurement

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 2009, NEWMOA will continue a project to improve the recycling and reuse of C&D materials in the region. NEWMOA is analyzing the available data from 2006 on C&D management in the region and will publish a report that will identify existing reuse and recycling activities and potential opportunities to increase markets. In addition, NEWMOA will engage processing and disposal facilities to better understand the opportunities and constraints they operate under and their ideas for reducing barriers. The project will provide a forum for the states to discuss important C & D management and policy issues.

This project is funded by a grant from EPA Region 1.

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FISCAL YEAR 2009 PROJECT

Solid Waste

Construction & Demolition (C & D) Debris Gypsum Wallboard Management

Project Strategy: Increase the reuse and recycling of gypsum wallboard C&D debris in the Northeast through development of a common regional strategy of regulatory and policy actions that would create a larger and more stable supply of waste gypsum for recycling operations.

In May 2008, NEWMOA sponsored a meeting focused on C&D debris with representatives of all six New England states as well as New York and EPA Region 1. The overall goal of the meeting was to determine two to four items for further work together as a group of states to promote markets for C&D waste materials. At the meeting, there was strong consensus that states should work together on C&D debris issues, and that the first priority for work together should be gypsum wallboard.

Currently, waste gypsum wallboard is typically either disposed of directly in solid waste facilities or is processed with other C&D wastes and ends up in the residuals. Hydrogen sulfide gas is created at landfills where gypsum is a component of C&D residuals used as alternative daily cover (ADC) in all of the northeast states. To address this problem, the waste management programs in the region are currently in varying stages of developing limits for gypsum content in ADC. At the same time, markets for recycling gypsum wallboard are starting to be developed. A multi-state effort to facilitate the expansion of recycling markets for gypsum wallboard provides two significant benefits – reducing a public health problem from hydrogen sulfide gas at landfills, and increasing the sustainability of C&D materials management.

In response to the outcome of the May 2008 meeting, in FY 2009 NEWMOA initiated a project to develop a regional approach to increasing the reduction, reuse, and recycling of gypsum wallboard waste. Through the project, the states will be assessing the viability of numerous policy, regulatory, and other program options regarding gypsum wallboard to facilitate the development of recycling options by:

- encouraging an increase in the supply of gypsum wallboard waste to processors
- ensuring that gypsum wastes are processed in an environmentally sound manner and into environmentally sound products
- encouraging the use of products that incorporate recycled gypsum

Another aspect of the project is identifying the appropriate government role in encouraging infrastructure development, including permitting and tax incentives. Through the project, states will also engage private sector stakeholders to obtain their perspective on the various ideas. The project goal is to develop a set of common methods that states agree to implement as feasible.

This project is funded by a grant from the EPA Resource Conservation Challenge (RCC) Program through EPA Regions 1 and 2.

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FISCAL YEAR 2009 PROJECT

Solid Waste

Beneficial Use Determinations

Project Strategy: Help states throughout the country improve their beneficial use determinations (BUD) programs by sharing information through a national database developed and managed by NEWMOA.

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 reduce disposal cost and, in some cases, provide 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 initiated a project with EPA that included NEWMOA member states and five states outside the NEWMOA region. The main objective of that project was to improve the information contained in an existing, members-only online BUDs database that was developed by NEWMOA in 2001. In FY 2007 and 2008, NEWMOA worked with the states to determine the data fields to add to the database and to redesign the user interface. Initially states proposed to do their own data entry and update existing records. However, further development (and therefore the usability) of the BUDs Database became constrained by increasingly limited state resources.

In FY 2009, NEWMOA obtained additional funding to work with the participating states to incorporate their most recent data. In addition, NEWMOA will work with states and EPA to develop searches and output reports that analyze the data, e.g., determine the quantities of a particular waste material reused in a particular year; uses that have been approved for a particular waste material; how many states have approved a particular use. In FY 2009 and 2010, NEWMOA will also promote the database to states throughout the country, and work with them to the extent feasible to get their data into the database. The project also serves 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 Headquarters.

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FISCAL YEAR 2009 PROJECT Solid Waste

Promoting Agricultural Plastics Recycling

Project Strategy: Promote recycling of agricultural plastics in rural areas of Maine, New Hampshire, New York, and Vermont by conducting training and providing technical assistance.

Plastics are widely used in agriculture today, but the end-of-life management of these materials is a growing problem in the Northeast. Stakeholders estimate that about half of the plastic used on dairy farms in the Northeast is burned in open fires, releasing such harmful air pollutants as dioxins, heavy metals, and particulates. Much of the remainder is buried on-site, resulting in clogged water channels, increased breeding areas for mosquitoes, and choking hazards for livestock. Recycling alleviates the environmental and health problems caused by open burning and dumping and costs less than landfill disposal. However, only a small fraction of farm, nursery, and greenhouse plastic waste generated in the Northeast is recycled.

This project started in FY 2008 and will continue through FY 2009. By the end of the project, NEWMOA will produce and deliver a training module, outreach materials, information on environmental and health hazards associated with improper disposal of this material, and a web page for technical assistance providers. NEWMOA has contracted with Dr. Lois Levitan, Program Leader of the Cornell Environmental Risk Analysis Program and the Recycling Agriculture Plastics Project, for technical expertise on all aspects of the project.

The project's goals are to:

- raise awareness of recycling options
- promote best management practices in handling of agricultural plastics
- identify solutions to the agricultural plastics disposal problem in targeted rural areas
- increase recycling of farm plastics in these four states over the next five to ten years

NEWMOA plans to achieve these goals by:

- developing a training program and guidance materials for the local technical assistance providers who work directly with farmers (i.e., state agricultural staff, solid waste and soil and water conservation district employees, and county agricultural extension staff)
- delivering training workshops to technical assistance providers and farmers in rural areas
- providing technical assistance on how to launch a recycling program to the local environmental and agricultural agency staff

In FY 2009, NEWMOA will present a minimum of six training workshops in New York, Vermont, New Hampshire, and Maine. This project is funded by a USDA Rural Utilities Service Solid Waste Management grant.

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FISCAL YEAR 2009 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 1998. In FY 2009, 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:

- continuing documentation of 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
- publishing a report summarizing the data in the Mercury-added Products Database
- managing the Interstate Mercury Education and Reduction Clearinghouse (IMERC) (see full project description)
- managing a number of web-based projects to facilitate mercury information sharing (see full project description)
- managing a lamp recycling outreach workgroup (see full project description)
- planning a Mercury Science and Policy Conference (see full project description)

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

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

FISCAL YEAR 2009 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Mercury Science & Policy Conference

Project Strategy: Convene governmental officials, scientists, industry representatives, and individuals from non-governmental organizations during a two-day conference to discuss and vet the latest scientific research pertaining to mercury.

Over the past decade, government agencies and others in the Northeast and Great Lakes regions, in addition to EPA, have been vigorously working to reduce mercury releases and minimize human exposure. Despite some impressive achievements, much work remains to achieve the virtual elimination goal for anthropogenic sources of mercury in both regions. To effectively reduce human exposure, it is critical to understand the sources of anthropogenic mercury, as well as how the pollutant is transported through and deposited in the environment. While much research has helped shed light on these critical issues, knowledge gaps remain.

The primary objectives of the 2009 Mercury Science & Policy Conference are to (1) provide current information on human health, environmental, and ecological research pertaining to mercury in addition to associated policy activities, (2) provide a forum for evaluating advancements in reducing mercury releases and for continuing discussion on the scientific and public health basis for policy actions to effectively address mercury risks, (3) bring together state and federal staff from the air, water, and waste programs for a cross-media exchange on the technical, policy, and management issues pertaining to mercury, and (4) identify high priority areas for future cost effective mercury reduction activities and strategies.

NEWMOA anticipates that the conference will lead to 1) greater understanding of what has been achieved in mercury reduction in the Great Lakes and Northeast regions, 2) identification of the remaining challenges and opportunities for further mercury reduction, 3) identification of governmental and non-governmental strategies and actions that are having a significant impact and that could be replicated, and 4) identification of opportunities for improved cooperation and coordination between the Great Lakes and the Northeast regions.

The conference is funded by a grant from the EPA Great Lakes National Program Office.

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FISCAL YEAR 2009 PROJECT Persistent, Bioaccumulative, & Toxics (PBT) & Other Priority Chemicals

Mercury-Added Products Research & Development

Project Strategy: Support the mercury pollution and reduction efforts detailed in the Massachusetts Mercury Products Law (Chapter 190 of the Acts of 2006), the Massachusetts Zero Mercury Strategy, and the New England Governors and Eastern Canadian Premiers Mercury Action Plan.

In FY 2009, NEWMOA will build upon the success of research undertaken in previous years by conducting four projects as described below.

In FY 2008, NEWMOA researched companies that appeared to manufacture mercury-added products, but had not notified the IMERC-member states. In FY 2009, NEWMOA will focus on manufacturers that have reported to Massachusetts and/or the IMERC-member states that they do not sell or distribute these products in Massachusetts and will verify their reported compliance with the Massachusetts mercury-added product bans.

In FY 2008, NEWMOA developed a web resource with information about mercury-added legacy products, which are products that are no longer sold as new in commerce, but may still be used. The resource currently features 36 mercury-added legacy products; however, there are more mercury-added products that may be considered “legacy.” In FY 2009, NEWMOA will conduct further research and expand the web resource.

Under Massachusetts law, manufacturers of neon lamps and other mercury-containing lamps must develop an education plan for recycling the bulbs at their end-of-life. In FY 2009, NEWMOA will assist MassDEP in developing outreach materials for helping manufacturers to understand the law, promote proper disposal and recycling, and become aware of available recycling opportunities. NEWMOA will also assist MassDEP with completing an inventory of these non-traditional mercury-added light sources.

Mercury emissions in some countries fare much better than others when switching from incandescent lighting to energy-efficient CFLs. One of the many factors contributing to this difference is the degree of mercury lamp recycling – higher recycling rates offset mercury emissions from coal-fired power plants, while lower recycling rates result in more CFLs disposed of in landfills, contributing to greater levels of mercury pollution in the environment. In FY 2009, NEWMOA will review studies and information available about the varying CFLs recycling efforts in the U.S. and internationally and will attempt to evaluate their effectiveness.

The project is funded by the Massachusetts Department of Environmental Protection.

For more information contact: Terri Goldberg, NEWMOA, (617) 367-8558 x302;
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FISCAL YEAR 2009 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 and to provide 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, Louisiana, 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: Adam Wienert, NEWMOA, (617) 367-8558 x307; awienert@newmoa.org.

FISCAL YEAR 2009 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 and consumers.

In 2004, with EPA funding, NEWMOA initiated a project to increase 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 sub-regional meetings with electrical distributors, recyclers, and EPA Regions 1 and 2. The 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 2007, NEWMOA submitted two letters to the U.S. EPA concerning federal regulations of drum top crushers of fluorescent lamps. NEWMOA also facilitated information sharing among the states on data and guidance concerning the proper clean up of broken compact fluorescent lamps. In 2008, NEWMOA organized a series of conference calls and meetings to share information on mercury emissions associated with lamp breakage and state guidance for proper cleanup.

In FY 2009, NEWMOA will continue to support the Lamp Recycling Workgroup and facilitate ongoing information sharing efforts concerning lamp recycling through periodic conference calls.

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

FISCAL YEAR 2009 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 has developed advanced RCRA Training programs for state inspectors each year in consultation with state hazardous waste program managers and staff to cover these topics.

The states have identified holding these sessions again in FY 2009 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 a two-day RCRA inspector workshop at two locations to address current state training priorities. Potential topics selected by states for live FY 2009 training include:

- State policies on commingling & claims of substitution for product
- DOT Rules Primer: Review of rules that apply to HW issues
- EPA's New Recycling Rule
- F006 waste classification & recycling
- State Hazardous Waste Inspection Report Forms/Checklists, Procedures, & Streamlined Approaches

NEWMOA will convene web conferences or conference calls in FY 2009 to cover topics that cannot be included in the workshops. Conference calls/web conferences are planned to provide training and information exchange on: "Waste Pharmaceuticals," "Clean Water Act & RCRA," "Secondary Use of Contaminated Off-Spec. Chemicals," "RCRA & TSCA Interface," "RCRA Non-Notifiers," "Green Chemistry," "RCRA HW 'E-Manifest,'" "LDR Training for Field Inspectors;" "Nanotechnology," "Generator Knowledge & Third Party HW Determinations," and "Used Oil Regulation."

This effort is funded by EPA Region 1-New England from state hazardous waste assistance grant funds, awarded to NEWMOA at the request of member-state environmental agencies.

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FISCAL YEAR 2009 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, and other states that have asked to participate. 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/performance improvement approaches.

This project relies on the models of innovative compliance strategies, including the Environmental Results Program (ERP) and other statistically valid compliance/performance rating approaches already in use by states. By developing and using shared measures, the participating state can evaluate the effectiveness of their own programs and the relative effectiveness of the other states' programs and decide to adopt the more successful compliance assurance approaches used throughout the region.

In Fiscal 2007 participating state staff received training on the development and use of ERP type performance measurement tools. They considered several possible business sectors/groups, and decided to develop and use core performance measures for small quantity hazardous waste generators (SQG's). Several states began inspections of SQG's using the common measures.

In Fiscal 2008 the participating states completed inspections of SQG's using the common measures and reported the results to Mass DEP and NEWMOA for inclusion in a database that combined and presented the environmental outcome data for review and analysis of the results. Participating states collaborated in the development of core performance measures for the auto-body repair business sector. NEWMOA worked with Mass DEP to update and revised the Quality Assurance Project Plan for the project, developed a draft comprehensive project report, and provided support to the States ERP Consortium. The Consortium is a group of 20 states that are committed to working together and with EPA to advance and facilitate the development and recognition of ERP-type programs in state environmental agencies and EPA.

In FY 2009, NEWMOA will hold the final meeting of the participating states to evaluate measurement results for small quantity generators, and identify lessons learned and next steps for state Common Measures activities. NEWMOA will also manage completion of the contract with Tetra Tech for improvements to the software that states will use to manage, evaluate, and present measurement data; and complete the comprehensive Project Report.

This effort is funded by an EPA grant to the Mass DEP. Mass 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 2009 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 mission of the Northeast Assistance and Pollution Prevention Roundtable 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 Roundtable meeting agendas and activities are set by a Steering Committee consisting of a representative from each state.

In FY 2009, the Northeast A & P2 Roundtable will meet approximately six 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 regional meetings 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.

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FISCAL YEAR 2009 PROJECT Assistance & Pollution Prevention

Northeast Regional Pollution Prevention Information Center

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. The Centers provide pollution prevention information and other services to state and local government and technical assistance providers in their region with the goal of improving the ability of these programs to deliver assistance to the regulated community. 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. The Regional P2Rx Center at NEWMOA provides answers to general questions on waste reduction, finds specific articles, or performs database and library searches. NEWMOA's P2Rx Center offers:

- topical collections of online resources known as Topic Hubs™; NEWMOA currently maintains fourteen Topic Hubs covering a range of topics including topics such as the persistent, bioaccumulative, and toxic (PBTs) substances mercury, lead, and dioxin and sectors such as metal fabrication and machining and wood furniture manufacturing:

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 more than 775 P2 activities performed by assistance programs throughout the region: www.newmoa.org/prevention/activities/

- a national database of more than 600 mercury reduction-related activities of federal, state, and local government agencies

- 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

In addition to continuing these services, NEWMOA's P2Rx Center priorities for FY 2009 are:

- hold focus groups with businesses, in coordination with the states, to assess their information needs related to P2, sustainability, and green up their practices

- train assistance providers on how to work with companies to establish a baseline carbon footprint and how to go about shrinking that footprint through energy efficiency and supply

chain initiatives

- develop an Innovative Technology Wiki for wet cleaning garment care technologies as alternatives to perc dry cleaning, allowing potential adopters to do a side-by-side comparison of the technologies
- publish a Topic Hub on P2 internship programs and promote their adoption and utilization
- publish a Topic Hub on Lead Sinkers and Jigs, highlighting outreach and legislative approaches that have been taken to limit their use
- perform a comprehensive review of a selection of P2Rx Topic Hubs, in partnership with Pacific Northwest Pollution Prevention Information Center (PPRC), to insure consistency and currency of information
- highlight resources in the NEWMOA Topic Hubs that represent the “Best P2 References for Businesses” as way of improving access to this information
- 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/p2rxinfo/, www.p2rx.org, or contact: Andy Bray, NEWMOA, (617) 367-8558 x306; abray@newmoa.org.

FISCAL YEAR 2009 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 has been cooperating 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. For more information on EMFACT, visit <http://www.newmoa.org/prevention/emfact/index.cfm>.

In FY 2009, NEWMOA will finish developing the proposed software tool, enable users to download it from the website, develop and conduct training workshops, and develop and launch an e-learning module on EMFACT.

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 2009 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 over ten 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 *P2 and CA Metrics 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 2004 NEWMOA developed interactive reports to aggregate data from the database and trained users in how to input data, output reports, and manage the software. From 2004 – present, NEWMOA has helped initiate and co-chair a National P2 Results Task Force, a joint partnership of the National Pollution Prevention Roundtable (NPPR) and the Pollution Prevention Resource Exchange (P2Rx).

Starting in FY 2005, in a parallel track to the continued support and development of the Metrics Software, NEWMOA began working with the P2Rx Centers and the National P2 Results Task Force on the development and roll-out of the National P2 Results Data System. This system is designed to aggregate and present readily available data on waste reduction and resource efficiency efforts from public agencies nationally. The P2 Results Data System quantifies P2 progress related to air, water, waste, and energy resources. The System is designed to translate P2 progress into the context of such bigger-picture issues as climate change, habitat, and sustainability.

The National Pollution Prevention Results Data System is designed to assist pollution prevention programs by:

- Providing a data repository for their activity, behavioral change, and outcome measures
- Providing secure, aggregated program-level reports
- Providing regional reports aggregating pollution prevention results and showing improvements for each region
- Providing nationally aggregated results for the NPPR, U.S. EPA, and the federal Office of Management and Budget (OMB)
- Demonstrating the value-added service provided by pollution prevention program efforts through the implementation of customized cost calculators

NEWMOA is a participant in this initiative as the Regional P2Rx Center for EPA Regions 1 and 2.

In FY 2009, NEWMOA took over as the lead for the National P2 Results Data System. NEWMOA will lead future development of the National P2 Results Data System, collect feedback from users of the system, and plan for future upgrades. NEWMOA will continue to support the National P2 Results Task Force, manage a regional module of the National P2 Results Data System on its website in coordination with the other P2Rx Centers, finish developing an updated version (3.0) of the NEWMOA P2 & CA Measurement Software and disseminate it.

This project is funded by a grant from EPA Region 1-New England and a contract with the Michigan Department of Environmental Quality (MI DEQ) under an EPA National Environmental Information Exchange Network (NEIEN) grant.

For more information contact: Terri Goldberg, NEWMOA (617) 367-8558 x302; tgoldberg@newmoa.org, or Andy Bray, NEWMOA (617) 367-8558 x306; abray@newmoa.org.

FISCAL YEAR 2009 PROJECT Assistance & Pollution Prevention

Coordinating Outreach & Assistance to Hospitality Facilities

Project Strategy: Enhance the ability of the state agencies to implement effective environmental assistance programs to hospitality facilities 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 lodging and restaurants in the region. These facilities can have a large number of environmental impacts, including energy consumption, water consumption, wastewater discharges, stormwater runoff, solid waste generation, and other impacts.

In FY 2009, NEWMOA will assist the states' and EPA green hospitality outreach and assistance efforts by facilitating the regional Hospitality 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 efforts and each other. NEWMOA also sponsors a listserv to facilitate electronic information sharing.

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

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

FISCAL YEAR 2009 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 2009, 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 2009 PROJECT Assistance & Pollution Prevention

Pollution Prevention Conference in Puerto Rico

Project Strategy: Enhance the pollution prevention efforts in Puerto Rico and the U.S. Virgin Islands by providing a forum for information sharing and training.

NEWMOA, in partnership with the Puerto Rico Solid Waste Management Authority (SWMA), will begin planning a Pollution Prevention Conference to be held in Puerto Rico in FY 2009. The purposes of the two-day conference will be: to provide a forum for discussing pollution prevention issues among federal, state, and local government; industry; academic researchers; NGOs; and others; and to facilitate the transfer of knowledge from well established programs in the Northeast states to programs in Puerto Rico and the U.S. Virgin Islands.

NEWMOA and SWMA, in consultation with EPA Region 2, will establish a Conference Steering Committee to assist with the conference agenda development and stakeholder identification and engagement. The Committee would include representatives from EPA Region 2, Puerto Rico, and U.S. Virgin Island governments; industry; academic researchers; NGOs; and others. A critical element for the success of the Conference will be the ability of NEWMOA/SWMA to engage and partner with local institutions (e.g., academic, government, NGOs). The Conference Steering Committee will play a crucial role in this effort.

The P2 Conference will take place in FY 2009 in Puerto Rico, at a time deemed by the Steering Committee to be the best for maximizing participation. The topics to be covered will be determined by the Steering Committee and the proposals submitted under the call for content, but based on ongoing efforts in the region would likely include:

- P2 in hospitality and the Green Hotels in Region 2 Stewardship Challenge;
- Innovative compliance strategies that integrate pollution prevention and help companies go beyond compliance (e.g., the Environmental Results Programs or ERP);
- Government P2 program development;
- Municipal and community-based mercury reduction activities;
- Water conservation measures and reductions in solid waste generation; and/or
- Pharmaceuticals and solvent recovery

Opportunities for future follow-up and collaboration would be captured from the conference discussions and shared with EPA and conference participants.

This project is funded by EPA Region 2.

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

FISCAL YEAR 2009 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 and training on voluntary site cleanup issues of priority to the states. NEWMOA established a Brownfields Workgroup consisting of state and EPA representatives FY 2004 to oversee the Association's work. NEWMOA communicates with the Workgroup primarily via e-mail and conference calls. At the request of the member states, NEWMOA organizes states/EPA meetings to discuss Brownfields and voluntary site cleanup program implementation issues identified as state and/or EPA priorities. Since beginning in FY 2004, there have been six such meetings, with one held in FY 2008.

The main activity under this project is to address state training needs. NEWMOA works with the Brownfields Workgroup and others on the Waste Site Cleanup Steering Committee to determine high priority topics for multiple states. NEWMOA then identifies technical experts from throughout the country to deliver presentations, develops the agenda, determines the logistics, publicizes the training, handles registration, and runs each workshop. Generally, each one-day workshop is held in two locations in the region to maximize state staff attendance. Workshops are usually open to local, state, tribal, and federal regulators, as well as consultants and others. In FY 2008, regulators, consultants, and industry representatives attended from states as far away as Utah and Montana. Since beginning in FY 2004, NEWMOA has sponsored workshops on eight priority topics. Agendas and presentations from each event are available at: www.newmoa.org/cleanup/workshops.cfm.

In FY 2009, NEWMOA will hold workshops on four priority topics: "Real-time Data Collection and Interpretation" (November 2008); "Greening Remediation – What Does it Mean?" (April 2009); "Vapor Intrusion – How to Determine if it is a Problem at Your Site" (co-sponsored with Brown University – June 2009); and "Recent Advances in Solidification and Stabilization Technologies" (September 2009).

NEWMOA maintains 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 Brownfields programs of the New England State Environmental Agencies.

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

FISCAL YEAR 2009 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 (Mass 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 has been providing Mass 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

During FY 2007, NEWMOA organized a day-long meeting of state oil spill response program directors; assisted with organizing two Oil Spill Advisory Committee meetings and two Subcommittee meetings by arranging meeting facilities, preparing meeting materials, and recording the proceedings. NEWMOA also assisted with development of the Interim Implementation Plan for the Massachusetts Oil Spill Act. During FY 2008, NEWMOA organized an Oil Spill Advisory Committee meeting in October and an oil spill containment equipment deployment exercise for 15 Buzzards Bay communities. NEWMOA also assisted in developing an Oil Spill Act Strategic 3-5 Year Plan; organized and supported several Subcommittee and Advisory Committee meetings; and provided management, technical, and other staff support to the various activities included in the Strategic Plan.

In FY 2009, NEWMOA will assist MassDEP with: procuring a contractor to provide rescue tug services for tugs and double-hulled oil barges navigating in Buzzards Bay and the Cape Cod Canal; development of a proposed stipend program to mitigate the costs to municipalities of training first responders; updating the 3-5 Year Strategic Plan; organizing Oil Spill Advisory Committee meetings, and planning and implementing response training.

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

FISCAL YEAR 2009 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 underwent a major upgrade to its infrastructure, navigation scheme, and information architecture to accommodate its growth and expanding role.

A number of the resources on the website are discussed in other FY 2008 project descriptions. In addition to the resources highlighted elsewhere, the website contains the following:

- a site-wide search feature and site map
- information on NEWMOA, its annual report, a list of the Workgroups, and a description of the Association's Projects (www.newmoa.org/about/)
- a calendar of events (www.newmoa.org/calendar/)
- 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 (www.newmoa.org/newmoamembers.cfm)
- 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 2009, NEWMOA will continue to manage and update its 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.