

Delaware Air Quality Management

2008

Air Toxics Strategic Plan

Mid-year Status Reports

(January through June 2008)

- **Summary Report**
- **Detailed Report**

Delaware
Air Quality Management
2008 Air Toxics Strategic Plan

The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Air Quality Management and other DNREC agencies to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2008 ATSP, finalized on 2/27/08, has been organized within the following framework.

- **Implement and grow an ongoing program to address the risks from exposure to air toxics**
- **Build a greater understanding of ambient air toxics environment**
- **Identify the potential harm from exposure to air toxics**
- **Gather information related to air toxics sources**
- **Identify options for reducing air toxics in the environment**
- **Implement appropriate actions to reduce the harm from exposure to air toxics**
- **Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- **Enhance AQM Air Toxics Resources**

Delaware

Air Quality Management

2008 Air Toxics Strategic Plan

Mid-year Status - *Summary* Report
(January through June 2008)

A list of acronyms can be found at end of this Summary Report

2008 Air Toxics Strategic Plan – Mid-year Summary Status

- ***Implement an ongoing program to address the risks from exposure to air toxics***

Key Accomplishments

- Participated on a National Association of Clean Air Agencies (NACAA) subcommittee in developing permit guidance for undertaking case-by-case maximum achievable control technology (MACT) determinations for industrial, commercial and institutional boilers under 112(j) of the Clean Air Act. This final guidance was issued in June 2008.
- Working with EPA and other State and local agencies in EPA Region 3, developed a program framework and identified a path forward for the delegation and implementation of area source standards adopted under Section 112 of the Clean Air Act.
- Revised Delaware's air toxic regulation (1138) to conform to the Delaware Register of Regulations style manual. The Delaware Registrar indicates that following the style manual improves the clarity and readability of the regulatory language for the public and regulated communities.
- Issued year-end status report for the 2007 Air Quality Management (AQM) Air Toxics Strategic Plan. This report summarized the key accomplishments during 2007 and identified the significant ongoing activities going into 2008.
- Updated and finalized the 2008 AQM Air Toxics Strategic Plan. This plan identified planned activities to be undertaken between 2008 and 2012 to reduce the adverse effects of air toxics in Delaware.

Significant Current Activities

- Working with various Delaware, federal, and regional partners, developed and participated in the inaugural Delaware Clean Marina Exposition. This activity promotes the adoption of voluntary management practices to prevent pollution at marinas, and will recur on an annual basis. (Ongoing activity)
- Actively participating on NACAA and Mid-Atlantic Regional Air Management Association (MARAMA) air toxics committees. (Ongoing activity)
- Actively participating as stakeholder on EPA Region 3's Claymont Industrial Partnership Initiative. This activity promotes the identification of voluntary measures to reduce air toxics from both stationary and mobile sources in the Claymont area. (Ongoing activity)
- Actively participating in local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's Energy Program, including the following. (Ongoing activity)
 - Clean State Program (Alt. Fuels)
 - National Association of State Energy Officials (NASEO)
 - Del Tech Leadership in Energy and Environmental Design (LEED) Board of Directors
- Developing a mid-year (January to June) status report on the 2008 AQM Air Toxics Strategic Plan activities. (Exp. completion – 9/28/08)
- Filled one of two long term vacancies in the Area Source Compliance Group partly reducing the backlog of activities that were on hold. (Expected completion – Unknown)

2008 Air Toxics Strategic Plan – Mid-year Summary Status

• *Build greater understanding of ambient air toxics environment*

Key Accomplishments

- Completed installation of the Upper Air Profiler that will provide meteorological data for up to 1 kilometer above the ground level to the National Oceanic and Atmospheric Administration (NOAA). This data will enhance our ability to model air toxics and other pollutants.

Significant Current Activities

- Initiated a community air toxics monitoring project that will utilize gas chromatographic/mass spectrometer to measure concentrations of multiple hazardous air pollutants (HAPs) at various sites in Wilmington. This data will provide greater insights on the spatial variation of HAP concentrations compared to the existing HAP monitoring methodology at Wilmington's MLK monitoring station. (Exp. completion – 4Q/09)
- Monitoring of air toxics continues in Wilmington [carbonyls and volatile HAPs] and Delaware City [volatile HAPs]. This data is being used to identify and track air toxics status and trends. (Ongoing activity)
- Continuing to provide support for the University of Delaware's special project on near real time organic aerosol speciation at Wilmington's MLK monitoring site. This data will provide greater insights on the temporal variation of selected HAP concentrations compared to the existing HAP monitoring methodology at Wilmington's MLK monitoring station. (Ongoing activity)

Pending

- Monitoring of metal HAPs at Wilmington's MLK monitoring site was suspended indefinitely in April due to difficulties experienced at the EPA's analytical contractor. This suspension hinders our ability to assess metal HAPs trends. The significance of the impact depends on when the analytical difficulties are overcome. (Exp. resumption – Unknown)

2008 Air Toxics Strategic Plan – Mid-year Summary Status

• *Identify potential harm from exposure to air toxics*

Key Accomplishments

- **New activity.** Provided an assessment of the proposed study designs for a multimedia total exposure study, which is under consideration by DNREC, DHSS and the Cancer Consortium. This study would characterize human exposure, serve as a baseline for future modeling and validate developed models that predict human exposure.

Significant Current Activities

- Continuing to develop regional-scale modeling of air toxics concentrations for the DATAS Phase II program. (Exp. completion – 8/31/08)
- Continuing collaboration with EPA's Office of Research and Development on modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments. (Ongoing activity)
- Continuing to use Duke University's E-DATAS monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments. (Ongoing activity)

Pending

- Reconciliation of the DATAS Phase II modeling results with the 2003 monitoring results has been delayed pending completion of the regional-scale modeling. (Exp. completion – 12/31/08)
- Completion of the DATAS Phase II risk assessment work has been delayed pending reconciliation of the regional-scale modeling. (Exp. completion – 2009)
- Evaluation of the impact of the DATAS Phase II risk assessment results on various AQM programs has been delayed pending completion of the DATAS Phase II risk assessments. (Exp. completion – 2009)
- Review and analysis of the 2002 National Air Toxics Assessment results has been delayed pending its release by EPA. (Exp. completion – 2009)

• *Gather information related to air toxics sources*

Key Accomplishments

- Completed the 2005 HAP emissions inventories for point sources and on-road mobile sources.

Significant Current Activities

- Continuing to develop the 2005 HAP emissions inventories for non-point area sources and non-road mobile sources. (Exp. completion – 9/30/08)

Pending

- Development of the source apportionment of air toxics emissions has been delayed pending completion of the final DATAS Phase II results. (Exp. completion – 2009)

2008 Air Toxics Strategic Plan – Mid-year Summary Status

• *Identify options for reducing air toxics in the environment*

Key Accomplishments

- Prepared a Diesel Emissions Reduction Act (DERA) grant application for the installation of a truck stop electrification project to be installed at the Smyrna Rest Stop to reduce diesel emissions associated with idling.
- Prepared a DERA grant applications for diesel retrofits at the Port of Wilmington to reduce diesel particulate emissions from mobile equipment used at the port.
- Worked closely with the Mid Atlantic Diesel Collaborative to develop projects for Diesel Emissions Reduction Act (DERA) grants.

Significant Current Activities

- Continuing to support EPA Region 3's Claymont Industry Partnership Initiative stakeholders in identifying voluntary air toxics reduction opportunities. (Ongoing activity)
- Participating with Metropolitan Planning Organizations (MPOs) and DelDOT on developing Congestion Mitigation and Air Quality Improvement (CMAQ) program project prioritization. (Exp. completion – 9/08)
- Participating with WILMAPCO and DelDOT on New Castle County 8-hour conformity determination. (Ongoing activity)
- Continuing to provide smart growth oversight by providing the air quality impacts associated with proposed commercial and residential development. (Ongoing activity)
- Commenced Delaware's first development of a case-by-case MACT determination under 112(j) of the Clean Air Act as a result of the vacatur of the federal polyvinyl chloride MACT standard. (Exp. Completion – 12/08)
- **New activity.** Commenced activities to update the Delaware's 5-year State Energy Plan. (Exp. completion – 2009)

Pending

- A number of air toxics activities ranging from outreach to identification of mobile source "hot spots" are on hold pending completion of DATAS Phase II modeling and risk assessment activities. (Exp. completion – Unknown)
- Ten EPA area source standards proposed in 2008, as of June, were not reviewed and commented on as resources were directed to higher priority activities.

2008 Air Toxics Strategic Plan – Mid-year Summary Status

• *Implement appropriate actions to reduce the harm from exposure to air toxics*

Key Accomplishments

- Completed an amendment to Delaware's perchloroethylene dry cleaning requirements, Section 5 of Regulation 1138. The new requirements are more public health protective than the national dry cleaning standard.
- Awarded pollution prevention program grants to 2 Delaware trucking companies for purchase and testing of auxiliary power units (APUs) as alternative to extended idling of diesel vehicles.
- Updated the dry cleaning facility permit templates consistent with the recently finalized residual risk requirements into Section 5 of Regulation 1138.
- Sent out notification of compliance status forms and application for permit revision forms to all perchloroethylene dry cleaning facilities.
- Updated Air Quality Management's compliance assistance Dry Cleaning Calendar consistent with the recently finalized residual risk requirements in Section 5 of Regulation 1138.
- Completed write ups of successful implementations of APUs grants used by EPA Region 3 in their outreach display at the Claymont Green Day event.

Significant Current Activities

- Completed perceptible leak tests on 30 gasoline delivery vessels. There are 60 gasoline delivery vessels (10% of the permitted fleet) scheduled to be tested during 2008. (Est. completion – 12/31/08)
- Continuing regular participation in Claymont Coalition and the EPA's Claymont Industrial Partnership Initiatives meetings. (Ongoing activity)
- Continuing to assist small business by promoting programs and improving communications with the Department. During the reporting period, facilitated through telephone and personal visits the following.
 - Certification of marinas in the Clean Marina program
 - Better understanding of the recent revisions of the dry cleaning requirements with both the individual facilities and the Pennsylvania Delaware Cleaners Association and with the Department on its impacts on small business entities
 - Advantages of auxiliary power unit for trucking companies
- Provided, through the Delaware Energy Office, over \$750 thousand in grants and reserves for implementation of renewable and advanced energy technologies programs. (Ongoing activity)
- Adopting new regulation to reduce emissions of HAPs associated with smoke-emitting vehicles. (Exp. completion – 2009)
- Amending existing Regulation 1131 to expand the low enhanced inspection and maintenance program to include Sussex County. (Est. completion – 12/08)
- Amending an existing section of Regulation 1141 to reduce the permissible amounts of organic compounds and volatile HAPs contained in consumer products made or sold in Delaware. (Est. completion – 11/30/08)
- Developing a new section in Regulation 1138 to add requirements applicable to lead acid battery manufacturing facilities that are based on existing federal requirements. (Est. completion – 11/30/08)

2008 Air Toxics Strategic Plan – Mid-year Summary Status

• ***Implement appropriate actions to reduce the harm from exposure to air toxics – Continued***

Significant Current Activities - continued

- Developing a new section in Regulation 1138 to add requirements applicable to hospital ethylene oxide sterilizers that are based on existing federal requirements. (Est. completion – 1Q/09)
- Developing a new section in Regulation 1141 to limit the amounts of volatile organic compounds and volatile HAPs contained in adhesives and sealants made or sold in Delaware. (Est. completion – 11/30/08)
- Continuing to provide compliance assistance to gasoline delivery fleet owners in meeting annual testing and permitting requirements. (Ongoing activity)
- Commenced tracking EPA's revision of the National Ambient Air Quality Standard for lead. (Exp. completion – 12/08)
- Completed the initial development of an area source inventory associated with the numerous area source standards being promulgated by EPA under 112(d) and 112(k) of the Clean Air Act. (Exp. completion – 2010)
- Developing annual vehicle inspection and maintenance report. This report will evaluate the effectiveness of Delaware's vehicle inspection and maintenance program. (Est. completion – 7/08)
- Commencing planning for the regulation development, implementation and for compliance assistance associated with Delaware's adoption of EPA's "Paint Cleaning and Miscellaneous Surface Coating standard" that will affect over 200 Delaware sources. (Est. completion – 6/30/09)
- Continuing to provide educational programs or public outreaches addressing conserving energy. Provided energy-related information at the following during this reporting period.
 - At the Delaware Home Show on 3/8-9
 - At the Great Green Expo on 3/29
 - At multiple Earth Day outreaches on 4/22
- Continuing to provide educational programs or public outreaches addressing school-related anti-idling requirements. Provided school bus anti-idling information during this reporting period.
 - At Bellevue State Park associated with New Castle Counties Safe Kids Day on 4/19
 - At AstraZeneca associated with Earth Day on 4/22
 - At Heritage Elementary School associated with diesel retrofit grant announcement on 5/28
 - At Claymont Community Center associated with Claymont's Green Day on 6/14
- Continuing to provide educational information on open-burning restrictions through traditional and new media, such as dedicated website and public service announcements on WHY Y (Channel 12).

Pending

- No full compliance evaluations (FCEs) of auto body refinishing shops or dry cleaning facilities were completed due to limited resources. The 2008 objective to complete FCEs at 25% of these facilities has been revised to providing compliance assistance for at least 25% of the auto body refinishing shops and at least 50% of the dry cleaning facilities. (Exp. completion – 12/31/08)
- Implementation of DATAS Phase II communication and outreach plan and related activities are on hold pending completion of DATAS Phase II modeling and risk assessment activities. (Exp. completion – Unknown)

2008 Air Toxics Strategic Plan – Mid-year Summary Status

• Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics

Key Accomplishments

- Completed the 2005 HAP emissions inventories for point sources and on-road mobile sources.

Significant Current Activities

- Monitoring of air toxics continues in Wilmington [carbonyls and volatile HAPs] and Delaware City [volatile HAPs]. This data is being used to identify and track air toxics status and trends. (Ongoing activity)
- Continuing to develop the 2005 HAP emissions inventories for non-point area sources and non-road mobile sources. (Exp. completion – 9/30/08)

Pending

- Development of the source apportionment of air toxics emissions has been delayed pending completion of the final DATAS Phase II results. (Exp. completion – 2009)
- Monitoring of metal HAPs at Wilmington's MLK monitoring site was suspended indefinitely in April due to difficulties experienced at the EPA's analytical contractor. This suspension hinders our ability to assess metal HAPs trends. The significance of the impact depends on when the analytical difficulties are overcome. (Exp. resumption – Unknown)

• Air toxics resources development

Key Accomplishments

- Provided training for the Environmental Protection Officers on the revised open burning requirements.
- Continuing collaboration with EPA's Office of Research and Development on modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments. (Ongoing activity)

ACRONYMS

AQM	Air Quality Management Section
APU	Auxiliary Power Unit
CMAQ	Congestion Mitigation and Air Quality
DATAS	Delaware Air Toxics Assessment Study
DelDOT	Delaware Department of Transportation
DERA	Diesel Emissions Reduction Act
DHSS	Delaware Department of Health and Social Services
DNREC	Delaware Department of Natural Resources and Environmental Control
EPA	U. S. Environmental Protection Agency
FCE	Full Compliance Evaluation
HAP	Hazardous Air Pollutant
LEED	Leadership in Energy and Environmental Design
MACT	Maximum Achievable Control Technology
MARAMA	Mid-Atlantic Regional Air Management Association
MLK	Martin Luther King Boulevard
MPO	Metropolitan Planning Organization
NACAA	National Association of Clean Air Agencies
NASEO	National Association of State Energy Officials
NEI	National Emissions Inventory
NOAA	National Oceanic and Atmospheric Administration
SEU	Sustainable Energy Utility
SGV	Sub-Grid Scale Variability
VOC	Volatile Organic Compound
WILMAPCO	Wilmington Area Planning Council

Delaware

Air Quality Management

2008 Air Toxics Strategic Plan

Mid-year Status - *Detailed* Report

(January through June 2008)

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
2008		
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts. 		
<ul style="list-style-type: none"> • Review status and complete year-end status report on the 2007 individual Strategic Plans. 	<ul style="list-style-type: none"> • Completed on 1/31/08 	---
<ul style="list-style-type: none"> • Track implementation and report year-end-status of the 2007 Air Toxics Strategic Plan by 3/31/08. 	<ul style="list-style-type: none"> • Completed on March 5, 2008 	---
<ul style="list-style-type: none"> • Review status and complete mid-year status report on the 2008 individual Strategic Plans. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 7/8/08
<ul style="list-style-type: none"> • Track implementation and report mid-year status on the 2008 ATSP by 9/30/08. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 9/08
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2009-2013 		
<ul style="list-style-type: none"> • Incorporate risk results from the DATAS findings into the preparation and development of the air toxics strategic planning process. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/08
<ul style="list-style-type: none"> • Update individual Strategic Plans for 2009-2013. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 10/08
<ul style="list-style-type: none"> • Update and finalize 2009 ATSP for years 2009 to 2013 by 12/31/08. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/08
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. 		
<ul style="list-style-type: none"> • Continue to support and participate in the Claymont Industry Partnership Initiative. 	<ul style="list-style-type: none"> • Participated in all meetings to date • Participated in 2008 Claymont Green Day Outreach 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Participate on the EPA Region 3’s newly formed “Area Source Implementation Workgroup”. 	<ul style="list-style-type: none"> • Completed on March 18 	---
<ul style="list-style-type: none"> • Continue to participate on the NACAA Boiler MACT Workgroup. 	<ul style="list-style-type: none"> • Completed on June 15, as the NACAA Workgroup with the release of the final guidance document 	---
<ul style="list-style-type: none"> • Continue to search for and implement at least one new opportunity to increase the public awareness of actions that the public can take to reduce their risk from exposure to air toxics, including appropriate P2 programs. 	<ul style="list-style-type: none"> • Worked with P2 group and Small Business Ombudsman in communicating their successful implementation of APU grant at the Claymont Green Day event 	<ul style="list-style-type: none"> • Ongoing

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement an ongoing program to address the risks from exposure to air toxic – cont.	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program. • Participate on the EPA Region 3’s newly formed “Area Source Implementation Workgroup”. 	<ul style="list-style-type: none"> • Completed on 3/18/08 	---
	<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program. • Clean Marina Program. 	<ul style="list-style-type: none"> • Completed the inaugural Clean Marina Expo on April 2 	---
	<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware’s energy program. 	Continued participation in . . . <ul style="list-style-type: none"> • Clean State Program (Alt. Fuels) • National Association of State Energy Officials (NASEO) • Del Tech Leadership in Energy and Environmental Design (LEED) Board of Directors 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions. 	<ul style="list-style-type: none"> • Completed on May 5 an update of Subpart A (now Section 3) of Reg. 1138 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance’s assignments, organization structure and protocols to better address risk-based air toxics programs, as needed. 	<ul style="list-style-type: none"> • There were no changes in assignments, structure or protocols during this period • Assignments will be evaluated during 3Q/08 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to evaluate and realign Area Source Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed. 	<ul style="list-style-type: none"> • Filled one of two long-term vacant positions in 1/08 	<ul style="list-style-type: none"> • Ongoing
	New	<ul style="list-style-type: none"> • Update the 2003 State Energy Plan 	<ul style="list-style-type: none"> • Hired consultant to draft work plan • Set up work groups • Complete final draft • Finalize State Energy Plan

“New” designates activities to be undertaken in 2008 that were not included in the final 2008 Air Toxics Strategic Plan.

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion	
2008	Build greater understanding of ambient air toxics environment		
	<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. • Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate. 	<ul style="list-style-type: none"> • Monitoring of metals was suspended indefinitely in April 2008 due to difficulties experienced at the EPA analytical contractor • Completed 6 months of the 12-month monitoring plan • Status reports submitted to EPA on 3/7 and 6/7/08 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 12/08 • 12/08
	<ul style="list-style-type: none"> • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. 	<ul style="list-style-type: none"> • Data reviewed and submitted 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to support University of Delaware’s special project to provide near real time organic aerosol speciation at MLK monitoring site. 	<ul style="list-style-type: none"> • Continued to provide support throughout this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. 	<ul style="list-style-type: none"> • Completed, UAP installed in 2Q/08 	<p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics” under EPA air toxics grant. 	<ul style="list-style-type: none"> • Project initiated in 2Q/08 	<ul style="list-style-type: none"> • 4Q/09
	<ul style="list-style-type: none"> • Undertake new or special monitoring needs that may surface. 		
	<ul style="list-style-type: none"> • Continue saturation study in Sussex County and issue final report by 4/30/08. 	<ul style="list-style-type: none"> • Study completed in 2Q/08 	<p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • Provide air toxics modeled results (HAP concentrations) based on DATAS Phase II modeling, to support . . . 		
	<ul style="list-style-type: none"> • Assessment of air toxics health impacts in communities. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 2009
<ul style="list-style-type: none"> • Development of control strategies to meet the new air toxics standards. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 2009 	
<ul style="list-style-type: none"> • Assist the air permitting decision-making process by considering cumulative impacts on as needed basis. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 2009 	

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify potential harm from exposure to air toxics	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks associated with 2003 modeled results. • Provide regional-scale modeling concentrations to DPH for risk assessments. 	<ul style="list-style-type: none"> • No activity this period • Review of modeling results by DATAS teams • Development of path forward 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 8/08 • 4Q/08
	<ul style="list-style-type: none"> • Compare the DATAS-2003 monitored and modeled concentrations for the five (5) air toxics monitoring sites by 3/31/08. 		
	<ul style="list-style-type: none"> • Compounds modeled by local-scale modeling by 3/31/08. 	<ul style="list-style-type: none"> • Comparison on hold pending completion of regional-scale modeling 	<ul style="list-style-type: none"> • 4Q/08
	<ul style="list-style-type: none"> • Compounds modeled by regional-scale modeling by 3/31/08. 	<ul style="list-style-type: none"> • Continued development of the regional-scale modeling 	<ul style="list-style-type: none"> • 7/08
	<ul style="list-style-type: none"> • Complete DATAS-2003 Phase II modeling report by 3/31/08. 	<ul style="list-style-type: none"> • Comparison on hold until completion 	<ul style="list-style-type: none"> • 4Q08
	<ul style="list-style-type: none"> • Review DATAS Phase II results to determine impacts and prepare responses for anticipated questions concerning stationary sources with the release of the source apportionment information. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 4/Q08
	<ul style="list-style-type: none"> • Coordinate E&C responses to DATAS results with other AQM branches to ensure consistent responses. 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released • Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> • Unk • Unk
	<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks through future air toxics assessment programs. 		
	<ul style="list-style-type: none"> • Coordinate ongoing risk assessment support and guidance of DPH for air toxics risk reduction activities. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Coordinate risk assessments needs and results for model-generated for DATAS Phase II with DPH. 	<ul style="list-style-type: none"> • No activity this period • Review of modeling results by DATAS teams • Development of path forward 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 8/08 • 4Q/08
	<ul style="list-style-type: none"> • Following release of DATAS Phase II Report, coordinate a team assessment of the need/value for conducting additional air toxics assessment studies (i.e. monitoring, modeling or both). 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate. 		
<ul style="list-style-type: none"> • Continue analysis of data collected from E-DATAS projects. 	<ul style="list-style-type: none"> • No modeling activity with Univ. of Delaware monitoring results this period • Continued to use Duke Univ. monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing 	
<ul style="list-style-type: none"> • Continue analysis of data collected from E-DATAS projects. 	<ul style="list-style-type: none"> • Continued to use Duke Univ. monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing 	

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
2008		
<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks through future air toxics assessment programs - Continued 		
<ul style="list-style-type: none"> • Commence source apportionment analyses for air toxics with special attention to the following by 12/31/08: 		
<ul style="list-style-type: none"> • Sources of air toxics of concern. 	<ul style="list-style-type: none"> • No modeling activity with Univ. of Delaware monitoring results this period • Continued to use Duke Univ. monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing • Ongoing
<ul style="list-style-type: none"> • Contribution of mobile sources versus stationary sources. 	<ul style="list-style-type: none"> • No modeling activity with Univ. of Delaware monitoring results this period • Continued to use Duke Univ. monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing • Ongoing
<ul style="list-style-type: none"> • Diesel particulate matter. 	<ul style="list-style-type: none"> • No modeling activity with Univ. of Delaware monitoring results this period • Continued to use Duke Univ. monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing • Ongoing
<ul style="list-style-type: none"> • Residential wood stoves. 	<ul style="list-style-type: none"> • No modeling activity with Univ. of Delaware monitoring results this period • Continued to use Duke Univ. monitoring results in modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing • Ongoing

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify potential harm from exposure to air toxics – cont.	6/30/08 Status	Expected Completion	
2008	<ul style="list-style-type: none"> • Continue to refine air toxics model for characterizing air toxics risks through utilization of applications in Sub-Grid Scale Variability (SGV). 	<ul style="list-style-type: none"> • Continued to collaborate with EPA’s Office of Research and Development on modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing 	
	<ul style="list-style-type: none"> • Identify resources and funding needed to implement risk assessment aspect of DATAS-2009, if undertaken. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk 	
	<ul style="list-style-type: none"> • If decision is made to undertake new modeling using 2005 Emission Inventory <ul style="list-style-type: none"> • Identify resources and funding needed to implement modeling. • Acquire needed software and hardware for modeling. • Develop modeling protocol for the implementation. 	<ul style="list-style-type: none"> • No decision made to date • No decision made to date • No decision made to date 	<ul style="list-style-type: none"> • Unk • Unk • Unk 	
	<ul style="list-style-type: none"> • Identify and assess alternatives to DPH-provided risk assessments, if appropriate. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk 	
	<ul style="list-style-type: none"> • Implement alternative risk assessments, if appropriate. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk 	
	<ul style="list-style-type: none"> • Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public’s health. 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> • Unk 	
	<ul style="list-style-type: none"> • Coordinate review and analysis of 2002 NATA results and facilitate the preparation of DE response, if released by EPA. 	<ul style="list-style-type: none"> • Waiting for 2002 NATA results to be released 	<ul style="list-style-type: none"> • Unk 	
	New	<ul style="list-style-type: none"> • Provide modeling support to Air Quality’s Community Air Toxics Study (CATS). 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 2009
	New	<ul style="list-style-type: none"> • Provide modeling support for DNREC’s interest in a proposed multimedia total exposure study. 	<ul style="list-style-type: none"> • Provided comments on the initial draft proposal 	<ul style="list-style-type: none"> • Ongoing

“New” designates activities to be undertaken in 2008 that were not included in the final 2008 Air Toxics Strategic Plan.

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Gather information related to air toxics sources	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Develop emissions inventory protocol for the implementation of the 2008 NEI by 12/08. 	<ul style="list-style-type: none"> • No activity this period; expect to begin in 9/08 	<ul style="list-style-type: none"> • 12/08
	<ul style="list-style-type: none"> • Review and update emissions inventory protocol for the implementation of DATAS-2009, if undertaken. 	<ul style="list-style-type: none"> • No plan established for the 2009 inventory 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Upon completion of air toxics model development and implementation, work with management, modeling, and mobiles sources to better characterize the level of risk contributed by emissions from mobiles sources. 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Complete 2005 HAPs emissions inventory to the extent there is information available by 6/08. 	<ul style="list-style-type: none"> • Point source, on-road mobile source inventories completed • Non-road mobile and non-point area source inventories being finalized 	<ul style="list-style-type: none"> • - - - • 9/30/08
	<ul style="list-style-type: none"> • Commence working on source apportionment with Mohammed Majeed associated with the DATAS Phase II results by 6/08. 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Continue review of emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results. 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Provide emissions inventory support to the air toxics education and reduction programs, as required. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Evaluate screening needs and modify the air toxics model to provide a simplified screening tool. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 2009

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify options for reducing air toxics in the environment	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> Develop and begin implementation of a community-based air toxics reduction program. 	<ul style="list-style-type: none"> Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> Unk
	<ul style="list-style-type: none"> Monitor federal activities associated with the establishment of a new Lead NAAQS. 	<ul style="list-style-type: none"> Tracking pertinent Delaware issues with the proposed revision 	<ul style="list-style-type: none"> 12/08
	<ul style="list-style-type: none"> Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124. 	<ul style="list-style-type: none"> No activity this period 	<ul style="list-style-type: none"> Unk
	<ul style="list-style-type: none"> Review DATAS Phase II results and identify air toxics reduction activities needed to address potential adverse health impacts. 	<ul style="list-style-type: none"> Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> Unk
	<ul style="list-style-type: none"> Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants. <ul style="list-style-type: none"> Participate in inter-agency consultation workgroup’s 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate. 	<ul style="list-style-type: none"> Participated with WILMAPCO and DelDOT on New Castle County conformity determination No activity on Kent or Sussex County determinations during this period 	<ul style="list-style-type: none"> Ongoing 2009
	<ul style="list-style-type: none"> Continue to provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate. 	<ul style="list-style-type: none"> Participated with MPOs and DelDOT on developing CMAC budgets Worked with WILMAPCO and DelDOT on prioritizing projects in New Castle County No activity on Kent or Sussex County projects during this period 	<ul style="list-style-type: none"> 9/08 Unk Unk
	<ul style="list-style-type: none"> Schedule presentation of the mobile source air toxics results following the release of the DATAS Phase II report. 	<ul style="list-style-type: none"> Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> Unk
	<ul style="list-style-type: none"> Reassess current contribution to smart growth oversight to encourage consideration of impact of mobile source emissions by 12/31/08. 	<ul style="list-style-type: none"> Provided air quality comments on Delaware’s Super Green proposal Provided air quality impact comments for numerous development proposal 	<ul style="list-style-type: none"> --- Ongoing
	<ul style="list-style-type: none"> If DATAS Phase II identifies mobile source-driven “hot spots”, initiate development of a mobile source air toxics reduction or education programs by 12/31/08. 	<ul style="list-style-type: none"> Waiting for DATAS Phase II results to be released 	<ul style="list-style-type: none"> Unk
	<ul style="list-style-type: none"> Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative projects and report status to EPA R3, if appropriate. 	<ul style="list-style-type: none"> No OTC-related projects were undertaken this period On 6/4, completed work with MADC on development of projects for DERA grants 	<ul style="list-style-type: none"> Ongoing ---

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion	
2008	Identify options for reducing air toxics in the environment – cont.		
	<ul style="list-style-type: none"> • Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. 		
	<ul style="list-style-type: none"> • Newly proposed amendments to federal MACT or incineration standards. 		
	<ul style="list-style-type: none"> • Commercial and Industrial Solid Waster Incinerator Standard. 	<ul style="list-style-type: none"> • Not yet proposed 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Newly proposed federal residual risk standards, applicable to Delaware. The following were expected to have been proposed in 2007. 		
	<ul style="list-style-type: none"> • Subpart U (Polymers & Resins – Group 1). 	<ul style="list-style-type: none"> • No activity as the proposed rule did not include those resins manufactured in DE 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart Y (Marine vessel loading facilities). 	<ul style="list-style-type: none"> • Not yet proposed 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart GG (Aerospace coating facilities). 	<ul style="list-style-type: none"> • Not yet proposed 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Newly proposed federal area source standards under Section 112(k). 		
	<ul style="list-style-type: none"> • 10 yet to be proposed standards (predominately fabricated metal products) are due to be promulgated by June 2008. 	<ul style="list-style-type: none"> • Ten federal GACT rules proposed during this period; no activity undertaken or comments submitted 	<ul style="list-style-type: none"> • 12/08
<ul style="list-style-type: none"> • 10 other yet to be proposed standards (predominately chemicals manufacturing) are due to be promulgated by December 2008. 	<ul style="list-style-type: none"> • Not yet proposed 	<ul style="list-style-type: none"> • 2009 	
<ul style="list-style-type: none"> • Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. 			
<ul style="list-style-type: none"> • As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector. 			
<ul style="list-style-type: none"> • Paint stripping and miscellaneous coating at area sources (Subpart HHHHHH includes auto body shops). 	<ul style="list-style-type: none"> • Waiting for development of Regulation 1138 standard to begin 	<ul style="list-style-type: none"> • 2009 	
<ul style="list-style-type: none"> • Electric arc furnace steelmaking facilities at area sources (Subpart YYYYYY) from scrap steel suppliers' perspective. 	<ul style="list-style-type: none"> • Waiting for development of Regulation 1138 standard to begin 	<ul style="list-style-type: none"> • 2009 	

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify options for reducing air toxics in the environment – cont.	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Determine timing and need for case-by-case MACT determination for PVC MACT (Subpart J). 	<ul style="list-style-type: none"> • Completed development of path forward in 5/08 • Case-by-case MACT determination was under reviewed 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 12/08
	<ul style="list-style-type: none"> • Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Subpart DDDDD). 	<ul style="list-style-type: none"> • Completed participated in the NACAA developed permit guidance workgroup • Preliminary assessment and development of path forward underway 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 12/08
	<ul style="list-style-type: none"> • Evaluate the need for the development of additional source category permits to address air toxics issues, ongoing. 	<ul style="list-style-type: none"> • No candidates identified during this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Identify grant and funding opportunities. <ul style="list-style-type: none"> • Facilitate the identification, preparation and submission for transportation-related grants or other funding. 	<ul style="list-style-type: none"> • Facilitated a Diesel Emissions Reduction Act (DERA) grant for diesel retrofits at the Port of Wilmington • Facilitated the Smyrna Rest Area TSE project 	<ul style="list-style-type: none"> • 2009 • 2010
	<ul style="list-style-type: none"> • Continue to identify resources and funding needed to implement air toxics communications and outreach programs. 	<ul style="list-style-type: none"> • No outreach funding needs identified during the period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Work with and promote open communications with other branches, divisions and Departments on energy efficiency/conservation opportunities and pursue funding opportunities for projects. 	<ul style="list-style-type: none"> • Worked with Office of Management and Budget on purchase of alternative fuel vehicles 	<ul style="list-style-type: none"> • Ongoing

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Promote the implementation of mobile source air toxics reduction initiatives/programs. 		
	<ul style="list-style-type: none"> • Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Report on activities conducted in support of the SmartWay Transport programs, as appropriate. 	<ul style="list-style-type: none"> • Developed and submitted grant application on 6/23/08 for a truck stop electrification (TSE) project at the Smyrna Rest Stop 	<ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • Continue to monitor the initial DE alternative power unit grantees results. 	<ul style="list-style-type: none"> • Awarded grants to two companies for installation of APUs on diesel-powered tractor trailer trucks 	---
	<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. 		<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Perform full compliance evaluations (FCEs) at all major and synthetic minor air toxics sources in accordance with the 6/29/07 compliance monitoring plan by 9/30/08. 	<ul style="list-style-type: none"> • Completed 1 of 18 FCEs for air toxics sources in the 2-year compliance monitoring plan • Other FCEs in progress 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Inspect 25% of the dry cleaning facilities. 	<ul style="list-style-type: none"> • No activity this period • 40 DC facilities to be visited to provide compliance assistance with new residual risk requirements, which take effect on 7/28/08 	---	
<ul style="list-style-type: none"> • Perform full compliance evaluations (FCEs) at all non-dry cleaning area air toxics sources during the 2008-9 time periods. 	<ul style="list-style-type: none"> • No activity for the 4 FCEs at air toxics area sources scheduled for 2008-9 time period 	<ul style="list-style-type: none"> • Ongoing 	
<ul style="list-style-type: none"> • Inspect 25% of the auto body refinishing shops. 	<ul style="list-style-type: none"> • No activity this period • Compliance assistance information associated with 40 CFR Part 63 Subpart HHHHHH to be sent to auto-body shops 	---	
	<ul style="list-style-type: none"> • Consultation visits to be made to 40 auto-body shops 	<ul style="list-style-type: none"> • 12/08 	
		<ul style="list-style-type: none"> • 12/08 	

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
<p>2008</p> <p style="text-align: center;">Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources – continued. • Inspect 10% of the of the gasoline delivery vessels. • Finalize and issue revised dry cleaner operating permits containing residual risk requirements. • Continue to implement the dry cleaner compliance assistance program for the residual risk requirements consisting of the following: <ul style="list-style-type: none"> • Revised AQM Compliance Calendar. • Development of a dry cleaning compliance website. • On-site inspections and consultations. • Incorporating updated MACT requirements in air permits. <ul style="list-style-type: none"> • Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed. • Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed. 	<ul style="list-style-type: none"> • Completed perceptible leak tests on 5% of the 600 GDV during delivery transfers at gasoline stations • Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements • Completed updating of permit conditions in 5/08 • Sent out form for notification of compliance status and application for permit revision in 6/08 • Revised permits to be issued following receipt of applications • Revisions completed on 3/19/08 • Distribution of calendars is part of compliance assistance program • No activity this period • Need/value assessment for a DC Website to be undertaken • No activity this period • 40 DC facilities to be visited to provide compliance assistance with new residual risk requirements, which take effect on 7/28/08 • • No Title V permits needed to be reopened for cause during this period 	<ul style="list-style-type: none"> --- --- • Ongoing --- • Ongoing --- • 12/08 --- • 12/08 • • Ongoing

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
<p style="text-align: center;">Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <p>2008</p> <ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources – continued <ul style="list-style-type: none"> • As new area source standards are proposed and finalized by EPA, develop listings of affected sources, if appropriate. • Develop a compliance assistance program by 12/31/08 for sources that will be affected by future adoption of the area source paint stripping and coating standard (Subpart HHHHHH) into Reg. 1138. • Provide support, if warranted, during the adoption of the area sources gasoline distribution standard (Subpart BBBB). Note: The Sub BBBB, noted above, was finalized in 2008 as Sub BBBB and Sub CCCCC 	<ul style="list-style-type: none"> • Completed a listing of potential affected source in 3/08 for the surface coating of mobile sources, which are subject to 40 CFR Part 40 Subpart HHHHHH • Development under way; initial meeting held on May 29, 2008 • No regulatory activity has been initiated to date 	<ul style="list-style-type: none"> • Ongoing • 12/08 • 2009
<ul style="list-style-type: none"> • Implement other air toxics-related communications and outreach programs. <ul style="list-style-type: none"> • Continue to conduct anti-idling outreach programs for schools and the trucking industry and report status to EPA R3, as appropriate. 	<ul style="list-style-type: none"> • Completed school-related outreaches <ul style="list-style-type: none"> • At Bellevue State Park associated with New Castle Counties Safe Kids Day on 4/19 • At AstraZeneca associated with Earth Day on 4/22 • At Heritage Elementary School associated with diesel retrofit grant announcement on 5/28 • At Claymont Community Center associated with Claymont’s Green Day on 6/14 • Identified new information channel (DAWM’s “Air and Waste Matters”) to communicate with the public • No truck-related outreach activity this period 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • Ongoing • Unk

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
<p>2008</p> <p>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources – continued • Implement at least one new opportunity to increase the public awareness of actions that the public can take to reduce their risk exposure to air toxics, including appropriate P2 programs. <ul style="list-style-type: none"> • DATAS Phase II Report Release. • Anti-idling education and outreach. • Implement school environmental programs outreach project. Incorporate anti-idling regulation and other air toxics issues. <ul style="list-style-type: none"> • Continue implementation of the <u>Drivers Stop Your Engines</u> outreach program. • Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting anti-idling for school buses. • Develop and begin to carryout a public outreach associated with the implementation of the enhanced low inspection and maintenance program in Sussex County. • Continue to provide outreach and education support for Area Sources’ dry cleaning compliance assistance program. • Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities. <ul style="list-style-type: none"> • Claymont Coalition. • Claymont Industrial Partnership Initiative. • Explore new outreach opportunities. 	<ul style="list-style-type: none"> • Waiting for DATAS Phase II results to be released • Completed on June 14; Alex Hense provided a communication on implementation of Pollution Prevention’s 2008APU grants that was incorporated into the DNREC/EPA exhibit at the Claymont Green Day event • Completed in April; all displays and educational materials delivered to AQM • Provided a communication on implementation of APU grant that was incorporated into the DNREC/EPA exhibit at the June 14 Claymont Green Day event • On hold pending completion of amendment to Regulation 1131 • No outreach support requested during this period • Continued participation during this period • Participated in April partnership meeting • No new opportunities were identified this period • Community outreach activities in Sussex County will be explored 	<ul style="list-style-type: none"> • Unk --- --- --- • 2009 • Unk • Ongoing • Ongoing • 4Q/08

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2008 <ul style="list-style-type: none"> • Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities. • Continue to support Engineering and Compliance’s community/industrial air toxics outreach programs. 	<ul style="list-style-type: none"> • No outreach support requested during this period 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Implement education and outreach programs associated with the revised open burning requirements by 5/1/08. 	<ul style="list-style-type: none"> • Establish prominent “notice” on DNREC web site and dedicated page on DAWM web site • Issued press release and participated in a public service announcement on WHYY • Completed training of the Environmental Protection Officers on revised rule requirements • Public outreach to be conducted at State Fair 	<ul style="list-style-type: none"> --- --- --- • 7/08
<ul style="list-style-type: none"> • Continue to work with other State agencies including DPH on air toxics communications and outreaches. 	<ul style="list-style-type: none"> • No opportunities identified during this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Provide support to Small Businesses on air toxics related issues. 		
<ul style="list-style-type: none"> • Provide assistance to participants of DE-PA-MARAMA auxiliary power unit (APU) grant in finalizing project reports by 5/31/08. 	<ul style="list-style-type: none"> • Completed on 5/31/08 	<ul style="list-style-type: none"> ---
<ul style="list-style-type: none"> • Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program. 	<ul style="list-style-type: none"> • Provided assistance to Delaware marinas through <ul style="list-style-type: none"> • Participation in the April 2 Clean Marina Expo • Participation in the April 29 event for a newly certified marina • Conducting marina certification inspections 	<ul style="list-style-type: none"> --- --- • Ongoing
<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with the industry and other agencies as a possible option to regulatory requirements that will reduce risk from exposure to air toxics. Potential new areas include: 		
<ul style="list-style-type: none"> • Mercury exchange P2 program. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Claymont Industry Partnership Initiative. 	<ul style="list-style-type: none"> • Provided outreach support to the Claymont Industry Partnership Initiative’s combined outreach at the Claymont Green Day event 	<ul style="list-style-type: none"> • Ongoing

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2008 <ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs. • Explore additional auxiliary power unit (APU) opportunities. 	<ul style="list-style-type: none"> • Completed in January 2008 • Encouraged interested parties to apply for APU funding through the P2 mini grant by mailing them letters informing them of the opportunity • Met with APU grantee when grant was awarded to help complete paperwork 	---
<ul style="list-style-type: none"> • Continue to coordinate implementation of area source protocol when area source standards are promulgated. • Two sets of area source standards (20 total are expected) are projected to be promulgated in 2008. 	<ul style="list-style-type: none"> • Commenced implementation strategy development for 40 CFR Part 63 Sub 6Hs (Cleaning & Misc coatings GACT) 	• Ongoing
<ul style="list-style-type: none"> • Update and submit to EPA Region 3, if required, the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules. 	<ul style="list-style-type: none"> • Submitted on March 31 an inventory of affected area sources for standards promulgated in 3Q & 4Q/07 • Develop & update, when needed, an inventory of area sources 	<ul style="list-style-type: none"> • 12/08 • Ongoing
<ul style="list-style-type: none"> • Implement a “Smoking Vehicle Reduction Program”. • Continue to maintain diesel emissions opacity instrumentation training program. • Develop and produce outreach materials and program to support baseline testing of smoking vehicle by 12/31/08. 	<ul style="list-style-type: none"> • No activity this period • No activity this period – On Hold 	<ul style="list-style-type: none"> • Ongoing • 2009
<ul style="list-style-type: none"> • Complete annual I/M report and submit report to EPA R3, if appropriate. 	<ul style="list-style-type: none"> • Initial report draft completed and being reviewed 	• 7/08
<ul style="list-style-type: none"> • Assist Brandywine school district with installation of diesel retrofits. 	<ul style="list-style-type: none"> • No activity this period • Oversee retrofit installations 	<ul style="list-style-type: none"> • --- • 4Q/08
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits. 	<ul style="list-style-type: none"> • No implementation activity this period • Commence implementation of diesel retrofits in 3Q/08 for <ul style="list-style-type: none"> • DART busses • Red Clay School District Busses • Port of Wilmington 	<ul style="list-style-type: none"> • --- • 12/08 • 12/08 • 2009

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
2008		
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources. 		
<ul style="list-style-type: none"> • Adopting new air toxics rules, as identified. 		
<ul style="list-style-type: none"> • Adopt new Smoking Vehicle regulation by 12/31/08. 	<ul style="list-style-type: none"> • Initial draft completed 	<ul style="list-style-type: none"> • 2009
<ul style="list-style-type: none"> • Adopt Delaware applicable area source standards under Section 112(k) into Regulation 38 prior to federal existing source compliance dates. 		
<ul style="list-style-type: none"> • Adopt Subpart PPPPPP (Lead Battery Manufacture) by December 31, 2008. 	<ul style="list-style-type: none"> • Proposed language complete and public hearing is scheduled for July 29 	<ul style="list-style-type: none"> • 11/08
<ul style="list-style-type: none"> • Amend General Provisions (Subpart A) of Regulation 1138 for selective changes in federal requirements by December 31, 2008. 	<ul style="list-style-type: none"> • No activity to date (low priority) 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Submit Start Action Notice for Subpart WWWW (Hospital Ethylene Oxide Sterilizers) by December 31, 2008. 	<ul style="list-style-type: none"> • Start Action Notice approved • Draft language is being developed 	<ul style="list-style-type: none"> • --- • 2/09
<ul style="list-style-type: none"> • Submit Start Action Notice for Subpart YYYYY (Electric Arc Furnaces) by December 31, 2008. 	<ul style="list-style-type: none"> • No activity to date • May elect to use Title V permit 	<ul style="list-style-type: none"> • Unk • Unk
<ul style="list-style-type: none"> • Submit Start Action Notice(s) for Subparts BBBB and CCCCC (Gasoline Distribution Infrastructure/Dispensing) by December 31, 2008. 	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Submit Start Action Notice for Subpart HHHHH (Paint Stripping/Auto Body Coating) by December 31, 2008. 	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Amending existing air toxics rules. 		
<ul style="list-style-type: none"> • Amend Regulation 31 to expand the low enhanced inspection and maintenance program to include Sussex County by 12/31/08. 	<ul style="list-style-type: none"> • Discussions continued between DelDOT and DNREC 	<ul style="list-style-type: none"> • 12/08
<ul style="list-style-type: none"> • Amend Regulation 1141 by updating and adding requirements for Consumer and Commercial Products. 		
<ul style="list-style-type: none"> • Amend Regulation 41 by amending Section 2 (Consumer Products) by 9/30/08. 	<ul style="list-style-type: none"> • Draft language developed • Public workshops scheduled for July 30 	<ul style="list-style-type: none"> • 11/08
<ul style="list-style-type: none"> • Amend Regulation 41 by adopting a new Section (Adhesives and Sealants) by 9/30/08. 	<ul style="list-style-type: none"> • Draft language developed • Public workshops scheduled for July 30 	<ul style="list-style-type: none"> • 11/08
<ul style="list-style-type: none"> • Adopt applicable area source residual risk standards into Regulation 38 prior to federal existing source compliance dates. 		
<ul style="list-style-type: none"> • Complete amendment of Subpart M (Dry Cleaners) for residual risk standard and title V permitting changes by 5/31/08. 	<ul style="list-style-type: none"> • Completed on May 1 	<ul style="list-style-type: none"> • ---
<ul style="list-style-type: none"> • Submit Start Action Notice for Subpart T (Halogenated Solvent Degreasers) by December 31, 2008. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/08

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
2008		
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources – continued. <ul style="list-style-type: none"> • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate. 	<ul style="list-style-type: none"> • Two standards under development this period; determined that outreach wasn't warranted 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Continue working with AQM to educate Drycleaners about new residual risk standard and changes to the air permits by 9/30/08. 	<ul style="list-style-type: none"> • In May, coordinated DNREC and Pennsylvania Delaware Cleaners Assn distribution of notification of compliance status forms • Provided assistance to owners of dry cleaning facilities through fielding phone calls and personal visits 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses. 		
<ul style="list-style-type: none"> • Paint stripping and miscellaneous coating at area sources (Subpart HHHHHH includes auto body shops). 	<ul style="list-style-type: none"> • Waiting for development of standard to begin 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Gasoline distribution at area sources (Subpart BBBBBB includes gasoline stations). 	<ul style="list-style-type: none"> • Waiting for development of standard to begin 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Electric arc furnace steelmaking facilities at area sources (Subpart YYYYYY) from scrap steel suppliers' perspective. 	<ul style="list-style-type: none"> • Waiting for development of standard to begin 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • If warranted, prepare delegation packages and request delegation of authority for changes adopted for area source standards in Regulation 1138. 	<ul style="list-style-type: none"> • No delegation requests submitted this period • Commenced review of delegations options 	<ul style="list-style-type: none"> • Unk • Ongoing
<ul style="list-style-type: none"> • Continue working with the Delaware Automobile and Truck Recycler's Association to provide pollution prevention perspectives and support for DNREC's environmental program for salvage yards 	<ul style="list-style-type: none"> • Continued to maintain open communication pathways with the DATRA and its members 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office . 	<ul style="list-style-type: none"> • Initiated discussion with the DEO to identify mutually-beneficial opportunities 	<ul style="list-style-type: none"> • Ongoing

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.	6/30/08 Status	Expected Completion
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. 	<ul style="list-style-type: none"> • Completed energy-related outreaches <ul style="list-style-type: none"> • Delaware Home Show on 3/8-9 • Great Green Expo on 3/29 • Multiple Earth Day outreaches on 4/22 • Conduct energy-related outreach at 2008 Coast Day event 	--- • 10/08
<ul style="list-style-type: none"> • Energy An\$wers Program <ul style="list-style-type: none"> • Home Appliances 	<ul style="list-style-type: none"> • Grant application period closed on 5/30 • Application being processed 	--- • 6/09
<ul style="list-style-type: none"> • Business 	<ul style="list-style-type: none"> • Grant application period closed on 3/31 • Installation of approved projects still in progress 	---
<ul style="list-style-type: none"> • Home Performance with Energy Star Program 	<ul style="list-style-type: none"> • Trained and certified initial class of Energy Auditors • Commence implement of program 	--- • 12/08
<ul style="list-style-type: none"> • Sustainable Energy Utility - SEU 	<ul style="list-style-type: none"> • Developed RFP for Contract Administrator and Fiscal Agent • Release RFP for Administrator • Hire Administrator 	--- • 8/08 • 12/08
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Utility Accounting • Energy Saving Performance Contracting 	<ul style="list-style-type: none"> • On hold pending further research • Negotiations underway with ESCO for detailed audit of two State facilities (Carvel and R&R/DEDO Complex) • Complete audit and negotiate energy saving projects 	• Ongoing • Ongoing • 12/08

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2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/08 Status	Expected Completion
2008		
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: 		
<ul style="list-style-type: none"> • Electricity Procurement 	<ul style="list-style-type: none"> • In second year of 3-year contract 	<ul style="list-style-type: none"> • 2009
<ul style="list-style-type: none"> • Energy Executive Order 	<ul style="list-style-type: none"> • Commenced drafting of the Executive Order • Draft finalized 	<ul style="list-style-type: none"> • Ongoing • 12/08
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: 		
<ul style="list-style-type: none"> • Green Energy Program 	<ul style="list-style-type: none"> • Awarded 33 grants for \$689,500 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Photovoltaic Electric 	<ul style="list-style-type: none"> • Awarded 1 grants for \$3,000 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Photovoltaic Hot Water 	<ul style="list-style-type: none"> • Awarded 29 grants for \$66,300 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Geothermal 	<ul style="list-style-type: none"> • Awarded 1 grants for \$6,000 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Wind 	<ul style="list-style-type: none"> • Awarded 3 grants 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Technology Demonstration/Research & Development Grant Program 	<ul style="list-style-type: none"> • Awarded 3 grants 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • 7 other applications being considered 	<ul style="list-style-type: none"> • Ongoing 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Renewable Portfolio Goals 		
<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: 		
<ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels 	<ul style="list-style-type: none"> • Continued project management activities for the Clean State Grant 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Continue to provide air toxics-related support to State through. . . 		
<ul style="list-style-type: none"> • Reviewing of air permits. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Providing current regulatory interpretations. 	<ul style="list-style-type: none"> • Working with Air Surveillance on revision to Pb NAAQS 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Advising on likely future trends and actions. 	<ul style="list-style-type: none"> • Provide insights on large influx of area source standards and on NACAA boiler guidance development 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Provide technical support, as needed, to . . . 		
<ul style="list-style-type: none"> • Area Source Compliance Group for revising Reg. 1102 Dry Cleaning compliance tools incorporating the new residual risk requirements. 	<ul style="list-style-type: none"> • 5- year compliance calendar completed on March 19 	<ul style="list-style-type: none"> • - - -
<ul style="list-style-type: none"> • Engineering & Compliance Branch in their implementation of the “Boiler MACT” case-by-case MACT determinations under Section 4.0 of Reg. 1138 (MACT Hammer). 	<ul style="list-style-type: none"> • Working with E&C on developing path forward 	<ul style="list-style-type: none"> • 2009
<ul style="list-style-type: none"> • Engineering & Compliance Branch in their implementation of the “PVC” case-by-case MACT determinations under Section 4.0 of Reg. 1138 (MACT Hammer). 	<ul style="list-style-type: none"> • Working with E&C 	<ul style="list-style-type: none"> • 2009

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate. 	<ul style="list-style-type: none"> • Monitoring of metals was suspended indefinitely in April 2008 due to difficulties experienced at the EPA analytical contractor • Completed 6 months of the 12-month monitoring plan • Status reports submitted to EPA on 3/7 and 6/7/08 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 12/08 • 12/08
	<ul style="list-style-type: none"> • Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Continue to look for and track, if found, appropriate “air toxics indicators” to gauge progress in reducing air toxics. 	<ul style="list-style-type: none"> • No appropriate indicator found in this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Complete 2005 HAPs emissions inventory to the extent there is information available by 6/08. 	<ul style="list-style-type: none"> • Point source, on-road mobile source inventories completed • Non-road mobile and non-point area source inventories being finalized 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 9/30/08
	<ul style="list-style-type: none"> • By September, complete a self-assessment of major stationary source air toxics reduction and outreach programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs. 	<ul style="list-style-type: none"> • No activity this period; to be addressed during the 2009 ATSP development 	<ul style="list-style-type: none"> • 4Q08
	<ul style="list-style-type: none"> • By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs. 		
	<ul style="list-style-type: none"> • School and trucking industry anti-idling outreach programs. • Anti-idling compliance and enforcement program. 	<ul style="list-style-type: none"> • No activity this period; to be addressed during the 2009 ATSP development • No activity this period; to be addressed during the 2009 ATSP development 	<ul style="list-style-type: none"> • 4Q08 • 4Q08

2008 Air Toxics Strategic Plan – Mid-year Detailed Status

	Air toxics resource development	6/30/08 Status	Expected Completion
2008	<ul style="list-style-type: none"> • Evaluate available training and encourage broader participation in risk-related training. 		
	<ul style="list-style-type: none"> • Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate. 	<ul style="list-style-type: none"> • Awaiting development of an agenda for September MARAMA/Region 3 workshop to recommend participation 	<ul style="list-style-type: none"> • 8/08
	<ul style="list-style-type: none"> • Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization. 	<ul style="list-style-type: none"> • Continued to collaborate with EPA’s Office of Research and Development on modeling of Sub-Grid Scale Variability (SGV) characterizations and its application to human exposure assessments 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Evaluate the need for air toxics-related training for staff and present, as needed. 	<ul style="list-style-type: none"> • Reservation made to for permitting people to attend the MARAMA-ICAC “Advances in Air Pollution Control Technologies Workshop” on 7/9 & 7/10 • Awaiting agenda for assessment of the MARAMA-Region 3 “Air Toxics Workshop” in 9/08 	<ul style="list-style-type: none"> • 7/08 • 9/08
	<ul style="list-style-type: none"> • Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff. 	<ul style="list-style-type: none"> • No recently promulgated standards needed presentation • Internal workshop for boiler MACT and MACT Hammer will be developed 	<ul style="list-style-type: none"> • --- • 12/08
	<ul style="list-style-type: none"> • Continue to assist in identifying resources and funding needed to implement communications and outreach programs. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Develop and implement mechanisms to improve air toxics communications. 		
	<ul style="list-style-type: none"> • Continue searching for new mechanisms to improve air toxics communications between branches. 	<ul style="list-style-type: none"> • No new mechanism found this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Continue to promote open communications between DNREC and small businesses on air toxics issues. 	<ul style="list-style-type: none"> • Promoted improved communications between marina owners, dry cleaners and trucking companies • Outreach scheduled for the State Fair 	<ul style="list-style-type: none"> • Ongoing • 7/30 	