

# **Delaware Air Quality Management**

## **2007**

### **Air Toxics Strategic Plan**

### **Year-end Status Reports**

(January through December 2007)

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

**Delaware**  
**Air Quality Management**  
**2007 Air Toxics Strategic Plan**

**The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Air Quality Management to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2007 ATSP, finalized on 2/27/06, was organized within the following components.**

- **Implement an ongoing program to address the risks from exposure to air toxics**
- **Build greater understanding of ambient air toxics environment**
- **Identify 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**

**2007 Air Toxics Strategic Plan**

**Year-end Status - *Summary Report***  
**(January through December 2007)**

**A list of acronyms is provided at end of this Summary Report**

## **2007 Air Toxics Strategic Plan – Year-end Summary Status**

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

### **Key Accomplishments**

- Reported status of Air Quality Management (AQM) Air Toxics Strategic Plan.
  - 2006 Air Toxics Strategic Plan Year-End Report.
  - 2007 Air Toxics Strategic Plan Mid-Year Report.
- Finalized the 2007 Air Toxics Strategic Plan identifying needed activities during the 2007 to 2011 period.
- Worked with various State, federal, and regional partners on the Delaware Clean Marina Program promoting the adoption of voluntary management practices to prevent pollution.
- Worked with Mid-Atlantic Regional Air Management Association (MARAMA) on the planning, development and presentation of the November 2007 MACT Workshop.
- Improved clarity of 5 sections of Regulation 1138 by converting regulatory language from adoption by reference to full-text format.

### **Significant Current Activities**

- Participating on National Association of Clean Air Agencies (NACAA) Boiler MACT Model Rule development workgroup. (Exp. completion – 6/08)
- Finalizing development of the 2008 Air Toxics Strategic Plan activities during the 2008 to 2012 period. (Exp. completion – 2/08)

### **Pending**

- With loss of another full time employee (FTE), Area Source Compliance Group is down three (3) FTEs with a growing number of lower priority activities on hold. (Exp. replacements – 3/08)

## 2007 Air Toxics Strategic Plan – Year-end Summary Status

### • ***Build greater understanding of ambient air toxics environment***

#### Key Accomplishments

- Completed the final project objectives for the joint special project with University of Delaware to better characterize atmospheric aerosols using real-time monitoring capability at Martin Luther King Boulevard monitoring site in Wilmington.
- Completed 12-month monitoring of air toxics continues in Wilmington [carbonyls, metals and volatile organic compounds (VOCs)] and Delaware City [VOCs].
- Received \$230,000 EPA grant to enhance understanding of air toxic concentrations in the community surrounding the Martin Luther King Boulevard monitoring site in Wilmington.

#### Significant Current Activities

- Began saturation monitoring study in Sussex County]. (Exp. completion – 4/30/08)
- Initiated implementation of the Upper Air Profiler project to provide meteorological data for potential use in air toxics modeling. (Exp. completion – 2008)
- Started up special monitoring project with University of Delaware to provide near real time organic aerosol speciation at the Martin Luther King Boulevard monitoring site in Wilmington. (Est. completion – 2010)

### • ***Identify potential harm from exposure to air toxics***

#### Key Accomplishments

- Completed 2003 local scale modeling of air toxics emissions.
- Submitted local-scale modeling results associate with Delaware Air Toxics Assessment Study (DATAS) Phase II to Division of Public Health for assessing potential cancer and non-cancer risks.

#### Significant Current Activities

- Began the DATAS Phase II regional-scale modeling upon the release of model-ready 2002 National Emissions Inventory (NEI) mobile source emission data (9/07) and the correction and issuance of the revised Sparse Matrix Operational Kernel Emissions (SMOKE) model enhancements by EPA (11/07). (Exp. completion – 3/31/08)

#### Pending

- Reconciliation of the DATAS Phase II modeling results with the 2003 monitoring results and development of DATAS Phase II risk results has been delayed pending completion of the regional-scale modeling. (Exp. completion – 2008)

## **2007 Air Toxics Strategic Plan – Year-end Summary Status**

### **• Gather information related to air toxics sources**

#### **Key Accomplishments**

- Completed the final 2005 NEI for criteria pollutants.
- Implemented protocols for the timely gathering of information gathering when faced with future proposed federal residual risk and area source standards.

#### **Pending**

- The full 2005 air toxics emissions inventory was cancelled due staff shortage. (Cancelled)
- Inventory work on source apportionment based on the DATAS Phase II modeling results has been delayed pending completion of the regional-scale modeling. (Exp. completion – Unknown)

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

#### **Key Accomplishments**

- Provided a grant for a small photovoltaic system for the Delaware National Estuarine Research Reserve (DNERR) site.
- Completed reviews of 14 urban area source standards and 2 residual risk standards by EPA and submitted comments where appropriate.

#### **Significant Current Activities**

- Continuing to support and participate in EPA Region 3's Claymont Industry Partnership Initiative. (Ongoing activity)
- Promoting Congestion Mitigation and Air Quality (CMAQ) funding for air quality purposes at regular meetings of both metropolitan planning organizations (MPOs). (Ongoing activity)
- Began regulatory and implementation activities for the residual risk requirements applicable at dry cleaning facilities. (Exp. completion – 7/08)

#### **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. (Exp. completion – Unknown)
- Development and implementation of the Wilmington community-based air toxics reduction program is on hold due to lack of resources. (Exp. completion – Unknown)

## **2007 Air Toxics Strategic Plan – Year-end Summary Status**

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

#### **Key Accomplishments**

- Completed 11 FCEs of 11 Title V MACT sources in the compliance monitoring plan for 2007.
- Completed 28 full compliance evaluations (FCEs) of perchloroethylene dry cleaning facilities. The 28 completed FCEs exceeded the 2007 objective to complete 18 FCEs.
- Completed the only FCE of an area source maximum achievable control technology (MACT) facility in the compliance monitoring plan for 2007.
- Completed adoption of a new regulation applicable to lightering operations that will significantly reduce VOCs and air toxics emissions.
- Completed a more stringent amendment to the existing open burning regulation that will reduce VOCs and air toxics emissions in New Castle and Kent County and significantly reduce these emissions in Sussex County.
- Completed assessment of the 10 area source standards promulgated by EPA. One Delaware source, a lead-acid battery manufacturer will be affected by this rulemaking.
- Completed revisions that updated and improved clarity of requirements in Regulation 1138 for the following section:
  - Section 5 – Chromium electroplating and anodizing facilities
  - Section 8 - Halogenated solvent cleaning
  - Section 12 - Secondary aluminum production
- Awarded grants to 3 Delaware trucking companies for purchase and testing of auxiliary power units as alternative to idling of diesel vehicles.
- Received diesel retrofitting grant from EPA.
- Completed the development of a school bus anti-idling outreach program, Drivers Stop Your Engines, focused on schools and the owners and operators of school bus fleets. Initial outreach activities began in October 2007.
- Introduced the Drivers Stop Your Engines school bus anti-idling education program at the 2007 Coast Day event.
- E-85 gasoline fuel became available for the first time at Bear Necessities in Bear, DE.
- Key legislation (Senate Bill 18) was passed creating a Sustainable Energy Utility (SEU) that focuses on energy efficiency, renewable energy use, and conservation of energy for Delaware residents.
- Completed significant education and outreach program supporting the implementation of the revised open burning rule. Program included new website, new brochures and multiple outreaches.
- Completed major energy focused education and outreach programs in various venues; such as the Delaware State Fair, 2007 Delaware Coast Day, Delaware Home Show, etc.
- Developed and conducted education and outreach program focusing on air toxics and pollution prevention around the home.
- Provided air toxics outreach materials at the June 2006 Claymont Coalition meeting.

## **2007 Air Toxics Strategic Plan – Year-end Summary Status**

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

#### **Significant Current Activities**

- Providing over \$1 million in grants and reserves for implementation of renewable and advanced energy technologies and energy saving programs, such as Energy Answers. (Ongoing)
- Working with Brandywine School District and DART on installation of diesel retrofits. (Exp. completion – 2008)
- Implementing an auxiliary power unit (APU) program with 3 Delaware trucking companies to collect information and to study anti-idling alternatives. (Exp. completion: 5/08)
- Continuing participation in Claymont Coalition meetings. (Ongoing)
- Continuing support and participation in EPA's Claymont Industrial Partnership Initiative addressing air toxics and other air-related issues. (Ongoing)
- Engaging in discussion with the State's fleet provider on increasing the used of alternative transportation fuels. (Exp. completion – Unknown)
- Continuing to actively encourage Delaware salvage yard operations to participate in the End of Life Vehicle Solutions (ELVS) mercury switch pollution prevention program. (Ongoing)
- Updating and revising format of the perchloroethylene dry cleaning facility requirements in Regulation 1138 in line with EPA's recent residual risk promulgation. (Exp. completion – 4/08)
- Maintaining open communications pathways between the dry cleaners and dry cleaning trade associations and the Department throughout the regulatory development activities. (Exp. completion – 2/08)
- Preparing significant education and outreach program focusing on energy efficiency and conservation. (Exp. completion – Unknown)
- Participating on NACAA's Boiler MACT Model Rule workgroup developing basis for conducting case-by-case MACT determinations in the face of the recent vacatur of the federal standard. (Exp. completion – 2Q08)

#### **Pending**

- Completed only 1 FCE of auto body refinishing facilities due to limited resources. The objective to complete FCEs at 25% of the facilities will likely not be met until 2008, when additional resources are expected. (Exp. completion – Unknown)
- Draft revisions of dry cleaning permits are on hold pending finalization of the residual risk of the regulatory language, which is projected to be available in 2/08. (Exp. completion – 6/08)
- Promotion of electrification projects at truck stops, warehouses and ports is on hold due to the inability to identify funding and limited resources. (Exp. completion – On hold)
- Implementation of DATAS Phase II communication and outreach plan and related activities are on hold pending completion of the modeling and risk assessment. (Exp. completion – 2008)

## **2007 Air Toxics Strategic Plan – Year-end Summary Status**

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

#### **Key Accomplishments**

- Completed the final 2005 NEI for criteria pollutants.
- Completed 12-month monitoring of air toxics continues in Wilmington [carbonyls, metals and volatile organic compounds (VOCs)] and Delaware City [VOCs].

#### **Pending**

- The full 2005 air toxics emissions inventory was cancelled due staff shortage. (Cancelled)
- Inventory work on source apportionment based on the DATAS Phase II modeling results has been delayed pending completion of the regional-scale modeling. (Exp. completion – Unknown)

### **• Air toxics resources development**

#### **Key Accomplishments**

- Continued to promote the role of small business ombudsman to the business communities through participation in the multiple-agency Delaware Clean Marina Program.
- Provide training opportunities to 5 personnel at MARAMA's MACT Workshop in November.

## **ACRONYMS**

APU	Auxiliary Power Unit
AQM	Air Quality Management Section
ATSP	Air Toxics Strategic Plan
CMAQ	Congestion Mitigation and Air Quality
CSA	Chamber of Shipping of America
DART	Delaware Authority for Regional Transit
DATAS	Delaware Air Toxics Assessment Study
DelDOT	Delaware Department of Transportation
DEO	Delaware Energy Office
DNERR	Delaware National Estuarine Research Reserve
DNREC	Delaware Department of Natural Resources and Environmental Control
DPH	Division of Public Health
E-85	Gasoline alternative containing 85% ethanol
E-DATAS	Enhanced DATAS
ELVS	End of Life Vehicle Solutions
EPA	U. S. Environmental Protection Agency
FCE	Full Compliance Evaluation
FTE	Full Time Employee
GACT	Generally Available Control Technology
HAPs	Hazardous Air Pollutants
I/M	Inspection and Maintenance
MACT	Maximum Achievable Control Technology
MARAMA	Mid-Atlantic Regional Air Management Association
MLK	Martin Luther King Boulevard
MOU	Memorandum Of Understanding
MPO	Metropolitan Planning Organization
NACAA	National Association of Clean Air Agencies
NEI	National Emissions Inventory
NOAA	National Oceanic and Atmospheric Administration
OMB	Office of Management and Budget
P2	Pollution Prevention
PV	Photovoltaic
RFP	Request For Proposal
SEU	Sustainable Energy Utility
SMOKE	Sparse Matrix Operational Kernel Emissions modeling system
TIP	Transportation Improvement Plan
TMA	Transportation Management Association of Delaware
UD	University of Delaware
USCG	U. S. Coast Guard
USDA	U. S. Department of Agriculture
VOC	Volatile Organic Compound

**Delaware**

**Air Quality Management**

**2007 Air Toxics Strategic Plan**

**Year-end Status - *Detailed* Report**  
**(January through December 2007)**

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>Implement an ongoing program to address the risks from exposure to air toxic</b>		
<b>2007</b> <ul style="list-style-type: none"> <li>• Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.</li> </ul>		
<ul style="list-style-type: none"> <li>• Track implementation and report year-end-status of the 2006 Air Toxics Strategic Plan (ATSP) by 2/28/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 2/27/07</b></li> </ul>	---
<ul style="list-style-type: none"> <li>• Finalize the 2007 ATSP and submit to EPA R3 by 2/28/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 2/27/07</b></li> </ul>	---
<ul style="list-style-type: none"> <li>• Review status and complete year-end status report on the 2006 individual Strategic Plans by 1/19/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 2/27/07</b></li> </ul>	---
<ul style="list-style-type: none"> <li>• Review status and complete mid-year status report on the 2007 individual Strategic Plans by 7/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 9/28/07</b></li> </ul>	---
<ul style="list-style-type: none"> <li>• Track implementation and report mid-year status on the 2007 ATSP by 9/28/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 9/28/07</b></li> </ul>	---
<ul style="list-style-type: none"> <li>• Coordinate the updating of the ATSP for 2008-2012</li> </ul>		
<ul style="list-style-type: none"> <li>• Coordinate development of the 2008 Air Toxics Strategic Plan (ATSP) for the years 2008 to 2012.</li> </ul>	<ul style="list-style-type: none"> <li>• Kick-off of planning process was delayed until 11/8/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Incorporate risk results from the DATAS Phase I and II into the preparation and development of the air toxics strategic planning process.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II report not available during the planning process</li> </ul>	---
<ul style="list-style-type: none"> <li>• Update individual Strategic Plans for 2008-2012 by 10/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 12/19/07</b></li> </ul>	---
<ul style="list-style-type: none"> <li>• Update and finalize 2008 ATSP for years 2008 to 2012 by 12/31/07 and submit to EPA R3, if appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• Near final draft of the 2008 ATSP circulated for comment on 12/19</li> </ul>	<ul style="list-style-type: none"> <li>• 1Q08</li> </ul>
<ul style="list-style-type: none"> <li>• Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.</li> </ul>	<ul style="list-style-type: none"> <li>• Actively participated on NACAA Air Toxics Committee</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Completed</b> program development for MARAMA's MACT Workshop in 11/07</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Actively participated on NACAA's Boiler MACT Model Rule Workgroup</li> </ul>	<ul style="list-style-type: none"> <li>• 2Q08</li> </ul>
<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> facilitation of the re-self-certification of auto body shops on 7/31/07</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Began working with dry cleaners on residual risk amendment</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue implementing the DE Pollution Prevention program.</li> </ul>	<ul style="list-style-type: none"> <li>• Internal Green Group committee is actively working to implement P2 within DNREC.</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Held</b> DE Clean Marina workshop on 3/27/07.</li> </ul>	---

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>Implement an ongoing program to address the risks from exposure to air toxic – cont.</b>		
<b>2007</b> <ul style="list-style-type: none"> <li>• Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware’s energy program.</li> </ul>	<ul style="list-style-type: none"> <li>• Maintained communications with national partners</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
<ul style="list-style-type: none"> <li>• Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> revisions of Reg. 1138 to provide full regulatory text for               <ul style="list-style-type: none"> <li>• Case-by-case MACT</li> <li>• Chrome electroplating facilities</li> <li>• Ind. process cooling towers</li> <li>• Halogenated solvent degreasers</li> <li>• Secondary aluminum production</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
<ul style="list-style-type: none"> <li>• Continue to evaluate and realign Engineering and Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.</li> </ul>		
<ul style="list-style-type: none"> <li>• Establish an internal protocol and identify lead to implement Branch’s air toxics strategic planning activities by 3/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Tammy Henry and Katayoun Pirestani shared duties</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
<ul style="list-style-type: none"> <li>• Continue to evaluate and realign Area Source Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Lost one FTE during 1H07</li> <li>• Replacement of 3 open positions is underway</li> </ul>	<ul style="list-style-type: none"> <li>• 1Q08</li> </ul>
<ul style="list-style-type: none"> <li>• Establish and staff a separate mobile source program.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity due to limited resources</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>	
<b>2007</b>	<p><b>Build greater understanding of ambient air toxics environment</b></p> <ul style="list-style-type: none"> <li>• Determine ambient air toxics concentrations for selected HAPs in Delaware.</li> </ul>		---
	<ul style="list-style-type: none"> <li>• 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 on 3/30, 6/30, 9/30 and 12/31.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed 12 month monitoring</b></li> <li>• <b>Submitted</b> status reports to EPA</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Submit quarterly air toxics monitoring data to national AIRS-AQS database following validation of laboratory results.</li> </ul>	<ul style="list-style-type: none"> <li>• Data reviewed and submitted as received from laboratories</li> </ul>	<ul style="list-style-type: none"> <li>• 1Q/08</li> </ul>
	<ul style="list-style-type: none"> <li>• Continue to enhance knowledge of ambient air toxics concentration for selected aerosols and mobile emissions through cooperative special projects with University of Delaware and Duke.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Present results of completed E-DATAS project to Branch employees.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>All project objectives met</b></li> <li>• Presentation to be arranged</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Undertake a special project with UD to provide near real time organic aerosol speciation at MLK, start-up date yet to be determined.</li> </ul>	<ul style="list-style-type: none"> <li>• Project in start-up phase</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> <li>• 2010</li> </ul>
	<ul style="list-style-type: none"> <li>• Implement Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• Equipment received in 4Q07</li> <li>• Monitoring site tentatively identified</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Continue to identify funding requirements and sources, as well as, staffing needed in order to . . .</li> </ul>		
	<ul style="list-style-type: none"> <li>• Fully implement our enhanced time-resolution capabilities for VOC measurements</li> </ul>	<ul style="list-style-type: none"> <li>• Grant proposal submitted to EPA in 4/07</li> <li>• EPA awarded \$231,000 grant for “Community Air Toxics” in 12/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Potential projects would provide</li> </ul>		
	<ul style="list-style-type: none"> <li>• Time-integrated air toxics data for air monitoring group.</li> </ul>	<ul style="list-style-type: none"> <li>• Part of “Community Air Toxics” <ul style="list-style-type: none"> <li>• Start up preparation underway</li> <li>• Start up scheduled for 4/08</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Improve model validation.</li> </ul>	<ul style="list-style-type: none"> <li>• Part of “Community Air Toxics” <ul style="list-style-type: none"> <li>• Start up preparation underway</li> <li>• Start up scheduled for 4/08</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Serve as potential information source for SIP development.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold, pending future grant opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Means to investigate predicted air toxics hot-spots throughout state.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold, pending future grant opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Serve as an analytical tool for addressing additional air toxics projects.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold, pending future grant opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>	
<ul style="list-style-type: none"> <li>• Undertake new or special monitoring needs that may surface.</li> </ul>	<ul style="list-style-type: none"> <li>• USDA denied ammonia study grant proposal</li> <li>• Started up saturation study in Sussex County in 12/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>	

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>Build greater understanding of ambient air toxics environment – cont.</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>	<ul style="list-style-type: none"> <li>• Provide air toxics modeled results (HAP concentrations) based on DATAS-2003 emissions inventory, to support . . .</li> </ul>		
	<ul style="list-style-type: none"> <li>• Assessment of air toxics health impacts in communities by 1/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Assessment of air toxics health impacts in communities on as needed basis.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
	<ul style="list-style-type: none"> <li>• Development of toxics standards based on cumulative risk on as needed basis.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
	<ul style="list-style-type: none"> <li>• Development of control strategies to meet the new air toxics standards on as needed basis.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Assist the air permitting decision-making process by considering cumulative impacts on as needed basis.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Continue to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts on control strategies.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold; low priority</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Determine need for or value of conducting another DATAS project in 2009 by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold - pending completion of DATAS Phase II Report</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>	

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>		
<ul style="list-style-type: none"> <li>• Characterize the cancer and non-cancer risks associated with 2003 modeled results.</li> </ul>		
<ul style="list-style-type: none"> <li>• Provide modeled concentrations to DPH for risk assessments.</li> </ul>		
<ul style="list-style-type: none"> <li>• From 2003 local-scale and 1999 regional-scale modeling by 1/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed local-scale modeling on 2/15/07</b></li> <li>• Use of 1999 regional-scale unnecessary – replaced by modeling with more recent emissions data</li> </ul>	<p style="text-align: center;">---</p> <p style="text-align: center;">---</p>
<ul style="list-style-type: none"> <li>• From 2002 (other states) and 2003 (Delaware) regional-scale modeling by 3/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• EPA provided emissions data in 9/07</li> <li>• EPA corrected and provided models in 11/07</li> <li>• Regional modeling commenced in 11/07, but has been somewhat delayed due to high priority needs</li> </ul>	<p style="text-align: center;">---</p> <p style="text-align: center;">---</p> <ul style="list-style-type: none"> <li>• 3/31/08</li> </ul>
<ul style="list-style-type: none"> <li>• Reconcile the DATAS-2003 monitored and modeled concentrations for the five (5) air toxics monitoring sites by 4/30/07.</li> </ul>		
<ul style="list-style-type: none"> <li>• Compounds modeled by local-scale modeling by 1/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Active review underway</li> </ul>	<ul style="list-style-type: none"> <li>• 3/31/08</li> </ul>
<ul style="list-style-type: none"> <li>• Compounds modeled by regional-scale modeling by 4/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• 3/31/08</li> </ul>
<ul style="list-style-type: none"> <li>• Coordinate risk assessments needs and results for model-generated for DATAS Phase II with DPH by 2/28/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Submitted local-scale results on 2/15/07</b></li> <li>• Regional-scale modeling                             <ul style="list-style-type: none"> <li>• EPA provided emissions data in 9/07</li> <li>• EPA corrected and provided models in 11/07</li> <li>• Regional modeling commenced in 11/07, but has been somewhat delayed due to high priority needs</li> </ul> </li> </ul>	<p style="text-align: center;">---</p> <p style="text-align: center;">---</p> <p style="text-align: center;">---</p> <ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Complete DATAS-2003 Phase II modeling report by 4/30/07</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of modeled results</li> </ul>	<ul style="list-style-type: none"> <li>• 3/31/08</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>Identify potential harm from exposure to air toxics – cont.</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>	<ul style="list-style-type: none"> <li>• Characterize the cancer and non-cancer risks associated with 2003 modeled results - continued.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Commence assessment of model performance based on E-DATAS mobile van measurements by 6/29/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial assessment completed</b></li> <li>• New issues identified with additional assessments underway</li> <li>• On hold; low priority</li> </ul>	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> <li>• In 2008 ATSP</li> <li>• 12/31/08</li> </ul>
	<ul style="list-style-type: none"> <li>• Commence source apportionment analyses for air toxics including residential wood stoves and diesel PM by 6/29/07.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Review availability and the cost for DATAS-compatible software that will better illustrate the levels of risk and recommend path forward by 6/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Review completed</b>, GIS system found to have software needed to better illustrate levels of risk</li> </ul>	<p style="text-align: center;">---</p>
	<ul style="list-style-type: none"> <li>• Acquire needed software and hardware to better illustrate the levels of risk by 7/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Not needed</li> </ul>	<p style="text-align: center;">---</p>
	<ul style="list-style-type: none"> <li>• Coordinate ongoing risk assessment support and guidance of DPH for air toxics control strategy implementation and risk management planning activities.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Identify and assess alternatives to DPH-provided risk assessments by 12/31/07, if appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• Under evaluation</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Coordinate E&amp;C responses to DATAS results with other AQM branches to ensure consistent responses.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public's health.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>	

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>Gather information related to air toxics sources</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>	<ul style="list-style-type: none"> <li>• Develop a listing of sources that will be affected by proposed “urban” area source standards, under Sect. 112(k).</li> </ul>	<ul style="list-style-type: none"> <li>• No activity to date</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Develop and implement protocols to respond to future proposed residual risk standards and urban area source rulemaking by 3/30/07. Protocols to include at minimum, . . .</li> </ul>		
	<ul style="list-style-type: none"> <li>• Identifying presence and number of affected sources in Delaware.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Complete in 1/07</b></li> </ul>	---
	<ul style="list-style-type: none"> <li>• Establishing organizational oversight.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Complete in 1/07</b></li> </ul>	---
	<ul style="list-style-type: none"> <li>• Source identification.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Complete in 1/07</b></li> </ul>	---
	<ul style="list-style-type: none"> <li>• Preparing comments on EPA proposed rule.</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Path forward.</li> </ul>	<ul style="list-style-type: none"> <li>• Continue to review process in 2008.</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Commence working on source apportionment with Mohammed Majeed associated with the DATAS Phase II results in 3Q07.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Investigate emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Provide emissions inventory support to the air toxics education and reduction programs, as required.</li> </ul>	<ul style="list-style-type: none"> <li>• No opportunities presented in 2007</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>	
<ul style="list-style-type: none"> <li>• Develop and submit 2005 NEI for HAPs from stationary point sources to EPA R3 by 6/1/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed NEI on 5/31/07</b></li> <li>• <b>HAPs inventory was cancelled due to lack of resources</b></li> </ul>	---	
<ul style="list-style-type: none"> <li>• Determine need for or value of modeling risk based on 2005 HAPs emission inventory by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold - pending completion of DATAS Phase II Report</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>	

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>	
<b>2007</b>	<ul style="list-style-type: none"> <li>• Determine authorities delegated for residual risk standards applicable to major sources under the April 4, 1996 Title V Memorandum of Understanding and develop path forward, if needed, by 3/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 1/18/07</b></li> <li>• MOU provides sufficient authority</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Explore delegation alternatives with EPA Region 3 for area source rules promulgated under 112(k) by 9/28/07.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending management feedback</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Work with E&amp;C and ASC to develop protocol to address area source standard under 112(k) by 1/15/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Complete in 1/07</b></li> </ul>	---
	<ul style="list-style-type: none"> <li>• Continue to support and participate in the Claymont Industry Partnership Initiative.</li> </ul>	<ul style="list-style-type: none"> <li>• Participated in all 2007 stakeholder meetings and provided additional perspectives on Delaware's . . .</li> <li>• DATAS program</li> <li>• Anti-idling regulation and its implementation</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• Contacted CSA in 12/07</li> <li>• No contact with USCG</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> <li>• 2008</li> </ul>
	<ul style="list-style-type: none"> <li>• Continue to implement, with inputs from the Cancer Consortium, the Wilmington community-based air toxics reduction program.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Identify and engage a professional facilitator to conduct the community meetings.</li> </ul>	<ul style="list-style-type: none"> <li>• Draft contract reviewed</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Identify and secure stakeholders interested in participating in the Wilmington community-based air toxics reduction program.</li> </ul>	<ul style="list-style-type: none"> <li>• Preliminary list of stakeholder candidates needs to be updated</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Working with the stakeholders, identify acceptable meeting dates, times and locations.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending finalization of stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Kick-off community-based air toxics reduction program consistent with the stakeholders' schedule.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending finalization of stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• If DATAS Phase II identifies mobile source-driven "hot spots", initiate development of a mobile source air toxics reduction or education programs by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>	
<ul style="list-style-type: none"> <li>• Determine timing and need for case-by-case MACT determination for PVC MACT (Subpart J).</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>	

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>	
<b>2007</b>	<ul style="list-style-type: none"> <li>• Continue to evaluate and, as appropriate, act upon federal rulemakings.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Review and comment, if appropriate, on federally proposed mobile source air toxics rules.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity due to limited resources</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative projects and report status to EPA R3 on 3/15, 6/30, 9/30 and 12/31.</li> </ul>	<ul style="list-style-type: none"> <li>• Attended retrofit funding workshop in Philadelphia on April 23-24</li> <li>• Attended Mid-Atlantic Diesel Collaborative Roundtable on Sept 12</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Reassess current contribution to smart growth oversight to encourage consideration of impact of mobile source emissions by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Recommended that smart growth be considered in the Sussex County Comprehensive Plan in 12/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3 on 3/15/07 &amp; 9/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Held consultation workgroup meeting on 6/14/07 to discuss amendments to Delaware Transportation Conformity Regulation</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Continue to provide comments and/or recommendations to the MPOs and DeIDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3 on 3/15/07 &amp; 9/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Regularly attend MPO technical advisory committees and comment on TIP and Plan</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Schedule presentation of the mobile source air toxics results following the release of the DATAS Phase II report.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Judge ability to take a leadership role in the financial grant process.</li> </ul>			
<ul style="list-style-type: none"> <li>• Facilitate the identification, preparation and submission for transportation-related grants or other funding.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>	

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>	
<b>2007</b>	<ul style="list-style-type: none"> <li>• Judge ability to take a leadership role in the financial grant process.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Facilitate the identification, preparation and submission for transportation-related grants or other funding.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Investigate opportunities for other educational grants to create/disseminate information about risk and air toxics, ongoing.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Explore and implement educational grant opportunity, if found.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Identified</b> potential funding source</li> </ul>	- - -
	<ul style="list-style-type: none"> <li>• Continue to identify resources and funding needed to implement DATAS and other air toxics communications and outreach programs.</li> </ul>	<ul style="list-style-type: none"> <li>• Identified P2 funding for joint outreach                             <ul style="list-style-type: none"> <li>• Completed program development</li> <li>• Commenced outreach in 10/07</li> </ul> </li> <li>• Other funding avenues identified and funding is being sought</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Working with other programs, identify and pursue funding opportunities for implementing community-based projects.</li> </ul>	<ul style="list-style-type: none"> <li>• No opportunities identified in 2007; this should be discussed in the further stages of the Claymont Industrial Partnership.</li> </ul>	<ul style="list-style-type: none"> <li>• 12/08</li> </ul>
	<ul style="list-style-type: none"> <li>• Working with other branches, identify and pursue funding opportunities for implementing community-based projects.</li> </ul>	<ul style="list-style-type: none"> <li>• No work to date</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Working with other branches, identify and pursue funding opportunities for implementing community-based projects.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> grant for small PV system for DNERR's site</li> <li>• Working with DNERR's on larger PV application</li> <li>• Working with State Energy Steering Committee on new opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> <li>• Unk</li> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Identify and evaluate options for adopting and implementing the urban area source standards.</li> </ul>	<ul style="list-style-type: none"> <li>• No standards warranting review were promulgated in 2007</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Explore options for implementing the residual risk requirements for Dry Cleaning facilities by 3/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Finalized</b> path forward on 6/20/07</li> </ul>	- - -
<ul style="list-style-type: none"> <li>• Evaluate the need for the development of additional source category permits to address air toxics issues, ongoing.</li> </ul>	<ul style="list-style-type: none"> <li>• No potential source categories identified in 2007</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b> <ul style="list-style-type: none"> <li>• 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.</li> </ul>		
<ul style="list-style-type: none"> <li>• Newly proposed federal residual risk standards, applicable to Delaware. The following are scheduled for proposal in June 2007.</li> </ul>		
<ul style="list-style-type: none"> <li>• Subpart N (Chrome plating facilities).</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Subpart U (Polymers &amp; Resins – Group 1).</li> </ul>	<ul style="list-style-type: none"> <li>• No Delaware sources in the subcategories of this 12/12/07 proposal</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Subpart Y (Marine vessel loading facilities).</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Subpart CC (Petroleum refining facilities).</li> </ul>	<ul style="list-style-type: none"> <li>• No comments submitted</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Subpart GG (Aerospace coating facilities).</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Subpart RRR (Secondary aluminum smelters).</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Subpart VVV (Publicly Owned Treatment Works).</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Generic residual risk rule or alternative residual risk methodologies, when proposed by EPA.</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Newly proposed urban area source standards proposed under Section 112(k), if applicable to Delaware.</li> </ul>		
<ul style="list-style-type: none"> <li>• Performance Based Standard for “urban” area source Federal rulemaking.</li> </ul>	<ul style="list-style-type: none"> <li>• Not yet proposed by 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Hospital sterilizers in 1Q2007.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 1/6/07</b></li> <li>• No comments submitted</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Gasoline distribution – Stage 1 (includes gasoline service stations) in 1Q2007.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 2/5/07</b></li> <li>• Comments submitted to EPA</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• 20 others yet to be identified.</li> </ul>	<ul style="list-style-type: none"> <li>• Six standards proposed on 4/4/07</li> <li>• <b>Completed on 5/4/07</b></li> <li>• One DE source affected by the lead battery manufacturing standard</li> <li>• No comments submitted</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Six area source standards were proposed in 9/07</li> <li>• One DE source affected by the electric arc furnace standard, but numerous ones affected by the paint stripping and surface coating standard</li> <li>• No comments submitted</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.</li> </ul>	<ul style="list-style-type: none"> <li>• No new applicable standards under development as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<p style="text-align: center;"><b>Implement appropriate actions to reduce the harm from exposure to air toxics</b></p> <p><b>2007</b></p> <ul style="list-style-type: none"> <li>• Promote the implementation of mobile source air toxics reduction initiatives/programs.</li> <li>• Working with other State and Regional agencies, actively promote implementation of the Best Workplaces for Commuters and SmartWay Transport programs.</li> <li>• Report on activities conducted in support of the Best Workplaces for Commuters and SmartWay Transport programs. Report status to EPA R3 on 3/15/07 &amp; 9/30/07.</li> <li>• Actively promote electrification projects.               <ul style="list-style-type: none"> <li>• Truck Stops.</li> <li>• Warehouses.</li> <li>• Ports.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Regularly attend TMA/Ride Share/DART planning meetings</li> <li>• No activity</li> <li>• No activity due to limited resources</li> <li>• No activity due to limited resources</li> <li>• No activity due to limited resources</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> <li>• Unk</li> <li>• Unk</li> <li>• Unk</li> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Insure continued or improved compliance of stationary sources.</li> </ul>		
<ul style="list-style-type: none"> <li>• Conducting timely compliance inspections.</li> </ul>		
<ul style="list-style-type: none"> <li>• Perform full compliance evaluations at all major and synthetic minor air toxics sources in accordance with the compliance monitoring plan submitted 9/2/2005 by 9/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> 11 of 11 required, as of 9/30/07</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Inspect 25% of the dry cleaning facilities by 9/29/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Inspected 28 of 71 (39%) facilities</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Inspect 25% of the auto body refinishing shops.</li> </ul>	<ul style="list-style-type: none"> <li>• Inspected only 1 facility; due to limited resources</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Develop and implement an inspection strategy for gasoline delivery vessels.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Developed</b> inspection strategy in 4Q/06</li> <li>• Implementation underway</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Perform full compliance evaluations at all non-dry cleaning area air toxics sources in accordance with the compliance monitoring plan submitted 9/2/2005 by 9/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> 1 of 1 required, as of 9/30/07</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Revise dry cleaner source category permit consistent with the residual risk requirements being newly adopted into Subpart M of Regulation 38.</li> </ul>	<ul style="list-style-type: none"> <li>• Upon further review, elected to forego using source category permits</li> <li>• Reissue as Reg. 1102 Operating Permits for dry cleaning facilities</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> <li>• 2Q08</li> </ul>
<ul style="list-style-type: none"> <li>• Develop a dry cleaning compliance assistance program for meeting the residual risk requirements by 3/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• No educational needs identified for 2007</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATS</li> </ul>
<ul style="list-style-type: none"> <li>• Commence dry cleaning on-site compliance assistance program for the residual risk requirements by 6/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity to date</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b>		
<b>2007</b> <ul style="list-style-type: none"> <li>• Insure continued or improved compliance of stationary sources.</li> </ul>	<ul style="list-style-type: none"> <li>• No educational needs identified for 2007</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Provide outreach and education support for Area Sources' dry cleaning compliance assistance program.</li> <li>• Continue working with AQM to educate Drycleaners about new residual risk standard and changes to the source category permit.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed in 11/07</b> <ul style="list-style-type: none"> <li>• Actively communicated with dry cleaning trade associations</li> <li>• Participated in public workshops</li> <li>• Encouraged dry cleaning businesses to attend public workshops</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Provide technical support, as needed, to ASC for amending the Dry Cleaning Source Category Permits to incorporate the residual risk requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Provided</b> revised permitting language consistent with initial draft amendment</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Incorporating updated MACT requirements in air permits. <ul style="list-style-type: none"> <li>• Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
<ul style="list-style-type: none"> <li>• Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
<ul style="list-style-type: none"> <li>• Provide technical support, as needed, to E&amp;C for Invista's submission of the Boiler MACT low risk determination.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold, due to vacatur</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Implement communications and outreach aspect of DATAS Phase II.</li> </ul>		
<ul style="list-style-type: none"> <li>• Finalize communications and outreach aspect of the DATAS Phase II program and complete final DATAS report.</li> </ul>	<ul style="list-style-type: none"> <li>• On hold pending completion of the modeling and risk assessment</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> </ul>
<ul style="list-style-type: none"> <li>• Continue DATAS public outreach agreement with next project phase.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Deleted</li> </ul>
<ul style="list-style-type: none"> <li>• Coordinate implementation of area source protocol when area source standards are promulgated.</li> </ul>		
<ul style="list-style-type: none"> <li>• Four area source standards by 1/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 1/30/07</b></li> <li>• No applicable sources in DE</li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> </ul>
<ul style="list-style-type: none"> <li>• Ten area source standards by 7/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 9/07 (6 rules)</b> <ul style="list-style-type: none"> <li>• One affected sources in DE</li> </ul> </li> <li>• Two more rule promulgated on 12/28/07 <ul style="list-style-type: none"> <li>• Review underway</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> <li>• 1Q08</li> </ul>
<ul style="list-style-type: none"> <li>• Update and submit to EPA Region 3 the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules by 2/28/07 and 9/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>2/28 Report completed on 2/26/07</b></li> <li>• <b>9/30 Report completed on 9/27/07</b></li> </ul>	<ul style="list-style-type: none"> <li>• ---</li> <li>• ---</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<p><b>2007</b></p> <p style="text-align: center;"><b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b></p> <ul style="list-style-type: none"> <li>• Implement other air toxics-related communications and outreach programs.</li> <li>• Implement an anti-idling outreach programs for schools and school districts and report status to EPA R3 on 3/15, 6/30, 9/30 and 12/31.               <ul style="list-style-type: none"> <li>• Finalize school workbooks by 8/31/07.</li> </ul> </li> <li>• Complete development of outreach by 9/31/07.</li> <li>• Conduct initial school outreach by 10/31/07.</li> <li>• Commence outreach programs by 12/31/07.</li> <li>• Participate in community/industrial air toxics outreaches and evaluate new opportunities.               <ul style="list-style-type: none"> <li>• Claymont Coalition.</li> <li>• Claymont Industrial Partnership Initiative.</li> <li>• Explore new outreach opportunities.</li> </ul> </li> <li>• Continue to support Engineering and Compliance’s community/industrial air toxics outreach programs.</li> <li>• Continue to conduct anti-idling outreach programs, as needed, for the trucking industry and report status to EPA R3 on 3/15, 6/30, 9/30 and 12/31.</li> <li>• Develop and implement education and outreach programs associated with the open burning rulemaking and its implementation.</li> <li>• Continue to work with other State agencies including DPH on air toxics communications and outreaches.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Developed</b> <u>Drivers Stop Your Engines</u> as alternative to workbooks</li> <li>• <b>Completed</b> development in 9/07</li> <li>• Initial mailing of <u>Drivers Stop Your Engines</u> in 11/07</li> <li>• <b>Initiated</b> outreach activities at 2007 Coast Day event on 10/7/07</li> <li>• Continued to participate and support the community</li> <li>• Continued to participate and support the EPA Region 3 initiative</li> <li>• As needed</li> <li>• <b>Provided</b> air toxics outreach materials for June 2007 Claymont Coalition meeting</li> <li>• Periodically sent brochure information to trucking companies</li> <li>• <b>Presented</b> information to EPA’s Claymont Industrial Partnership Initiative on 10/10/07</li> <li>• <b>Completed</b> Communication Plan completed in 12/07</li> <li>• <b>Developed</b> website and brochure developed</li> <li>• <b>Conducted</b> multiple outreaches conduct throughout 2007</li> <li>• No opportunities identified to date</li> </ul>	<ul style="list-style-type: none"> <li>---</li> <li>---</li> <li>---</li> <li>• In 2008 ATSP</li> <li>• In 2008 ATSP</li> <li>• In 2008 ATSP</li> <li>• As needed</li> <li>• In 2008 ATSP</li> <li>• Ongoing</li> <li>---</li> <li>---</li> <li>---</li> <li>• In 2008 ATSP</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<p style="text-align: center;"><b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b></p> <p><b>2007</b></p> <ul style="list-style-type: none"> <li>• Pending outcome of delegation alternatives review, prepare delegation packages and request delegation of authority for changes adopted in Regulation 38 for area source standards.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Requested</b> ongoing delegation for chrome electroplating facilities following amendment to Section 6 of Reg. 1138</li> <li>• <b>Requested</b> amended Sections 8 and 12 of Reg. 1138 be added to their respective outstanding requests for delegation</li> <li>• Requests for delegation for new area source standards is on hold, pending resolution of alternative delegation methodology</li> </ul>	<p style="text-align: center;">---</p> <p style="text-align: center;">---</p> <ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Continue to participate on regional and national rulemaking committees, as appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• Began participation on NACAA's Boiler MACT Model Rule Workgroup</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> </ul>
<ul style="list-style-type: none"> <li>• Adopt new and amend existing air toxics regulations for mobile and stationary sources.</li> </ul>		
<ul style="list-style-type: none"> <li>• Adopting new air toxics rules.</li> <li>• Adopt new Smoking Vehicle regulation by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Amending existing air toxics rules.</li> <li>• Amend Regulation 31 to expand the low enhanced inspection and maintenance program to include Sussex County by 9/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Program is undergoing evaluation</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Amend, if appropriate, Delaware Regulation 1145 based on anti-idling model rule for on-road diesel engines by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> assessment and found amendment would not be appropriate</li> </ul>	<p style="text-align: center;">---</p>
<ul style="list-style-type: none"> <li>• Amend Regulation 24 by adopting new Section 46 to reduce the emissions of VOCs and HAPs from lightering operations by 2/11/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 5/11/07</b></li> </ul>	<p style="text-align: center;">---</p>
<ul style="list-style-type: none"> <li>• Amend Regulation 13 to expand the prohibition on open burning statewide by 6/29/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 5/11/07</b></li> </ul>	<p style="text-align: center;">---</p>
<ul style="list-style-type: none"> <li>• Amend Regulation 25 by amending new source review requirements by 3/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Submitted</b> an equivalency demonstration for existing regulation on 12/7/07, in lieu of amending Reg. 25</li> </ul>	<p style="text-align: center;">---</p>
<ul style="list-style-type: none"> <li>• Amend Regulation 38 Subpart M (Dry Cleaners) for residual risk standard and title V permitting changes by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Public workshops held in 4Q07</li> <li>• Public hearing to be held 1/22/08</li> </ul>	<ul style="list-style-type: none"> <li>• 2Q/08</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

<b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<ul style="list-style-type: none"> <li>• Adopt new and amend existing air toxics regulations for mobile and stationary sources - continued.</li> </ul>		
<ul style="list-style-type: none"> <li>• Amending existing air toxics rules.</li> </ul>		
<ul style="list-style-type: none"> <li>• Amend Regulation 38 Subpart N (Chrome Plating) for MACT standard and title V permitting changes by 10/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Completed on 11/1/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Amend Regulation 38 Subpart T (Solvent Degreasers) for title V permitting changes by 10/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Completed on 8/1/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Amend Regulation 38 Subpart RRR (Aluminum Sweat Furnaces) for title V permitting changes by 10/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Completed on 8/1/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Amend Regulation 41 by amending Section 2 (Consumer Products) by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Postponed</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> </ul>
<ul style="list-style-type: none"> <li>• Amend Regulation 41 by amending Section 3 (Portable Fuel Containers) by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Postponed</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> </ul>
<ul style="list-style-type: none"> <li>• Amend Regulation 41 by adding a new Section (Adhesives and Sealants) by 12/31/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Postponed</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> </ul>
<ul style="list-style-type: none"> <li>• Submit Start Action Notice to amend Regulation 38 Subpart A (General Provisions) to broaden applicability to all MACT standards and to update considering changes since original adoption by 12/30/07.</li> </ul>	<ul style="list-style-type: none"> <li>• Postponed</li> </ul>	<ul style="list-style-type: none"> <li>• 2008</li> </ul>
<ul style="list-style-type: none"> <li>• As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• Other than dry cleaning standard, no new standards under development as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.</li> </ul>	<ul style="list-style-type: none"> <li>• Other than dry cleaning, there were no other area source standards being promulgation</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Develop and implement protocols for enforcement of newly promulgated federal and AQM regulations by 6/30/07. Protocols to include at minimum, . . .</li> </ul>		
<ul style="list-style-type: none"> <li>• Establishing organizational oversight.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> in 7/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Source identification.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> in 7/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Permitting activities and timelines associated with rule's compliance requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> in 7/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Resource and training needs.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> in 7/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Path forward.</li> </ul>	<ul style="list-style-type: none"> <li>• Rotation assignment established: DeWhitt (Jan. through April), Terranova (May through August) and French (Sept. through December)</li> </ul>	---

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b>		
<b>2007</b>		
<ul style="list-style-type: none"> <li>• Identify and implement one (1) joint educational opportunities with other DNREC agencies and/or other State or local agencies to increase the public awareness of actions that will reduce their risk from exposure to air toxics. Potential new areas include:               <ul style="list-style-type: none"> <li>• DATAS Phase II Report Release.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Pollution prevention (P2) around the home.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Conducted</b> outreach at State Fair promoting P2 in the home</li> </ul>	<ul style="list-style-type: none"> <li>---</li> </ul>
<ul style="list-style-type: none"> <li>• Air toxics around the home.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Conducted</b> outreach at State Fair promoting P2 in the home</li> </ul>	<ul style="list-style-type: none"> <li>---</li> </ul>
<ul style="list-style-type: none"> <li>• Gasoline distribution rule.</li> </ul>	<ul style="list-style-type: none"> <li>• Area source rule not promulgated as of 12/31/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.</li> </ul>	<ul style="list-style-type: none"> <li>• No opportunities identified to date</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Anti-idling Regulation education and outreach.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> development in 9/07</li> <li>• <b>Initiated</b> outreach activities at 2007 Coast Day event on 10/7/07</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
<ul style="list-style-type: none"> <li>• Identify and pursue potential joint opportunities with industry and other agencies as a possible option to regulatory requirements that will reduce the risk from exposure to air toxics. Potential new areas include:</li> </ul>		
<ul style="list-style-type: none"> <li>• 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</li> </ul>	<ul style="list-style-type: none"> <li>• Actively encouraging Delaware salvage yards to participate in the ELVS programs through site visits</li> </ul>	<ul style="list-style-type: none"> <li>• 12/08</li> </ul>
<ul style="list-style-type: none"> <li>• Mercury switch P2 program.</li> </ul>	<ul style="list-style-type: none"> <li>• ELVS Program enacted in state. P2 Program is conducting site visits with the Small Business Ombudsman to encourage participation.</li> </ul>	<ul style="list-style-type: none"> <li>• 12/08</li> </ul>
<ul style="list-style-type: none"> <li>• An “urban” area source rule.</li> </ul>	<ul style="list-style-type: none"> <li>• First candidate rule (Electric Arc Furnaces) wasn’t promulgated until 12/28/07</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
<ul style="list-style-type: none"> <li>• Claymont Industry Partnership Initiative.</li> </ul>	<ul style="list-style-type: none"> <li>• No joint opportunities were identified in 2007</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

<b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b>		<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>          <b>New</b>	<ul style="list-style-type: none"> <li>• Identify and pursue potential joint opportunities with the industry and other agencies. Potential new areas include:               <ul style="list-style-type: none"> <li>• Energy Saving Performance Contracting.</li> <li>• Energy An\$wers Program.                   <ul style="list-style-type: none"> <li>• Home Appliances</li> <li>• Business</li> <li>• Home Performance</li> </ul> </li> <li>• Sustainable Energy Utility (SEU)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Projects in development</li> <li>• Nearly \$400K reserved</li> <li>• About 4 projects in the works</li> <li>• On Hold Pending SEU</li> <li>• <b>Key legislation signed.</b></li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> <li>• 2008-9</li> <li>• 2008-9</li> <li>• 2008-9</li> <li>• - - -</li> </ul>
	<ul style="list-style-type: none"> <li>• 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. Potential new areas include:               <ul style="list-style-type: none"> <li>• Implementation of DE-PA-MARAMA auxiliary power unit (APU) grant project.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Contracts were <b>awarded</b> in April to three Delaware trucking companies</li> <li>• Reviewed and worked with Delaware trucking companies to resolve problems in their initial semi-annual reports</li> <li>• Continued liaison APU oversight of Delaware trucking companies</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> <li>• - - -</li> <li>• 5/31/08</li> </ul>
	<ul style="list-style-type: none"> <li>• Promote Mercury Switch Recycling through ELVS Program</li> </ul>	<ul style="list-style-type: none"> <li>• Actively encouraging Delaware salvage yards to participate in the ELVS programs through site visits</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Assist Brandywine school district and DART with installation of diesel retrofits.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> the RFP for EPA’s grant award</li> <li>• <b>Selected</b> vendor</li> <li>• Finalizing retrofit contract</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> <li>• - - -</li> <li>• 1Q08</li> </ul>
	<ul style="list-style-type: none"> <li>• Facilitate the implementation of school bus diesel retrofits associated with the 2006 enforcement settlement funding.</li> </ul>	<ul style="list-style-type: none"> <li>• Meeting with New Castle County schools to coordinate purchase of retrofits</li> </ul>	<ul style="list-style-type: none"> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Coordinate the anti-idling enforcement effort.</li> </ul>	<ul style="list-style-type: none"> <li>• No activity</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> </ul>
	<ul style="list-style-type: none"> <li>• Implement a “Smoking Vehicle Reduction Program”.               <ul style="list-style-type: none"> <li>• Implement diesel emissions opacity instrumentation training program by 12/31/07.</li> <li>• Develop and produce outreach materials and program to support baseline testing of smoking vehicle by 12/31/07.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed on 1/24/07</b></li> <li>• On hold pending start of the regulatory activity</li> </ul>	<ul style="list-style-type: none"> <li>• - - -</li> <li>• In 2008 ATSP</li> </ul>

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b> • Complete annual I/M report and submit report to EPA R3 by 7/31/07.	• <b>Submitted</b> completed I/M Report in 08/07	- - -
• Continue to identify and implement energy efficiency programs. Energy efficiency programs include:		- - -
• Energy efficiency and conservation education.	• Participated in following major public outreach activities <ul style="list-style-type: none"> <li>• Delaware State Fair in 7/07</li> <li>• Coast Day in 10/07</li> <li>• Home Show in 10/07</li> </ul>	- - -
• Building energy codes.	• <b>Completed</b>	- - -
• Building energy efficiency.	• <b>Completed</b>	- - -
• Energy Star program.	• Program on hold	• Unk
• Technical assistance and outreach for residential, commercial, industrial and agricultural customers.	• No activity • Grant period opens in Sept/Oct	• 2008
• Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:		
• Green Energy Program.		
• Photovoltaic Electric	• Provided 19 grants for \$869,954	• Ongoing
• Photovoltaic Hot Water	• Provided 2 grants for \$6,000	• Ongoing
• Geothermal	• Provided 29 grants for \$71,900	• Ongoing
• Wind	• 0 grants given	• Ongoing
• Renewable portfolio goals.	•	
• Continue to identify and implement transportation programs. Transportation programs include:		
• Clean State Program – focusing on greater use of alternative transportation fuels.	• Engaged in discussions with Fleet	• Unk
• Installation of E-85 station in Bear.	• <b>Complete</b> - Station dispensing E-85 gasoline opened in Bear	- - -
• Potential ethanol plant.	• No activity	• Unk

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<p style="text-align: center;"><b>Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</b></p> <p><b>2007</b></p> <ul style="list-style-type: none"> <li>• Continue to identify and implement state facilities energy programs. State facilities energy programs include:               <ul style="list-style-type: none"> <li>• Track State energy consumption and costs.</li> <li>• Performance contracting.</li> <li>• Electricity procurement for state-owned facilities.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Developing system</li> <li>• Projects in development</li> <li>• Signed 3 yr contract starting July 1, 2007</li> </ul>	<ul style="list-style-type: none"> <li>• Unk</li> <li>• Unk</li> <li>• 2010</li> </ul>
<ul style="list-style-type: none"> <li>• Continue to provide air toxics-related support to State through. . .               <ul style="list-style-type: none"> <li>• Reviewing of air permits.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> Industraplate permit review on 1/31/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Providing current regulatory interpretations.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed</b> Subpart T applicability following consultation with Region 3 in 7/07</li> <li>• <b>Completed</b> interpretation of Subpart A requirements for sources who are not subject to a relevant MACT standard in 8/07</li> </ul>	---
<ul style="list-style-type: none"> <li>• Advising on likely future trends and actions.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Provided</b> Air Management and Permitting Branch relevant information on               <ul style="list-style-type: none"> <li>• Boiler MACT vacatur</li> <li>• New area source proposals and promulgations</li> </ul> </li> </ul>	---

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>	<ul style="list-style-type: none"> <li>• 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 on 3/30, 6/30, 9/30 and 12/31.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed 12 month monitoring</b></li> <li>• <b>Submitted</b> status reports to EPA</li> </ul>	<p>---</p> <p>---</p>
	<ul style="list-style-type: none"> <li>• Work in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.</li> </ul>	<ul style="list-style-type: none"> <li>• No inventory activity done this period</li> <li>• No mobile source activity; 2005 NEI did not include mobile source HAPs</li> <li>• Procedure established for emission inventory data review</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> <li>• Unk</li> <li>• Ongoing</li> </ul>
	<ul style="list-style-type: none"> <li>• Working with other branches and EPA R3, continue to look for appropriate “air toxics indicators” to gauge progress in reducing air toxics.</li> </ul>	<ul style="list-style-type: none"> <li>• No work to date</li> </ul>	<ul style="list-style-type: none"> <li>• In 2008 ATSP</li> </ul>
	<ul style="list-style-type: none"> <li>• Develop and submit 2005 NEI for HAPs from stationary point sources to EPA R3 by 6/1/07.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Completed NEI on 5/31/07</b></li> <li>• <b>HAPs inventory was cancelled due to lack of resources</b></li> </ul>	<p>---</p>

## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>Air toxics resource development</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>	<ul style="list-style-type: none"> <li>• Evaluate available training and encourage broader participation in risk-related training.</li> </ul>		---
	<ul style="list-style-type: none"> <li>• Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Successfully involved</b> Delaware in the development (2 people) and attendance (5 people) at MARAMA's Nov. 2007 MACT Workshop</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Encourage broadened participation of air toxics risk training.</li> </ul>	<ul style="list-style-type: none"> <li>• No training opportunities identified this year</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Encourage broadened participation on energy efficiency, conservation and education training.</li> </ul>	<ul style="list-style-type: none"> <li>• Participated in following major public outreach activities                             <ul style="list-style-type: none"> <li>• Delaware State Fair in 7/07</li> <li>• Coast Day in 10/07</li> <li>• Home Show in 10/07</li> </ul> </li> </ul>	---
	<ul style="list-style-type: none"> <li>• Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Mohammed Majeed presented paper</b> on observed and modeled pollutant fields using fine scale and hybrid modeling approaches at the 6<sup>th</sup> Annual CMAS Conference in 10/07</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Continue to encourage broad participation in Regional air toxics training and workshops, when offered.</li> </ul>	<ul style="list-style-type: none"> <li>• MARAMA's MACT Workshop was too narrowly focused to broaden attendance by other than E&amp;C people</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Evaluate the need for air toxics related (risk, pollution prevention, etc.) training for staff and present, as needed.</li> </ul>	<ul style="list-style-type: none"> <li>• Five FTE's participated in MARAMA MACT workshop in 11/07</li> <li>• No other needs identified in 2007</li> </ul>	---
	<ul style="list-style-type: none"> <li>• Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.</li> </ul>	<ul style="list-style-type: none"> <li>• Rotation assignment complete July 2007; DeWhitt (Jan. through April), Terranova (May through August) and French (Sept. through December)</li> </ul>	• Ongoing
	<ul style="list-style-type: none"> <li>• Continue to assist in identifying resources and funding needed to implement DATAS and other air toxics communications and outreaches.</li> </ul>	<ul style="list-style-type: none"> <li>• DATAS Phase II Report not released as of 12/31/07</li> </ul>	• Unk
	<ul style="list-style-type: none"> <li>• Identify better mechanisms to improve air toxics communications between branches.</li> </ul>	<ul style="list-style-type: none"> <li>• No work to date</li> </ul>	• In 2008 ATSP
<ul style="list-style-type: none"> <li>• Continue search for "painless" and better way to keeping Air Quality Management current on the ongoing status of the Air Toxics Strategic Plan.</li> </ul>	<ul style="list-style-type: none"> <li>• No work to date</li> </ul>	---	

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## 2007 Air Toxics Strategic Plan – Year-end Detailed Status

	<b>Air toxics resource development</b>	<b>12/31/07 Status</b>	<b>Expected Completion</b>
<b>2007</b>	<ul style="list-style-type: none"> <li>• Promote open communications between programs on air toxics issues.</li> </ul>		
	<ul style="list-style-type: none"> <li>• Jointly explore needs and opportunities for pollution prevention training with AQM's Engineering and Compliance Branch by 9/29/07.</li> </ul>	<ul style="list-style-type: none"> <li>• No training needs identified</li> </ul>	- - -
	<ul style="list-style-type: none"> <li>• Continue to promote open communications between DNREC and small businesses on air toxics issues.</li> </ul>	<ul style="list-style-type: none"> <li>• Continuing to promote the role of ombudsman to the business communities</li> <li>• <b>Participated</b> in the 3/27/07 "Clean Marina" workshop aimed at operators of marinas, boatyards and yacht clubs</li> <li>• <b>Participated</b> in the 7/07 outreach at the State Fair</li> </ul>	- - -
	<ul style="list-style-type: none"> <li>• Promote open communications between branches, divisions and departments on energy efficiency, conservation and education.</li> </ul>	<ul style="list-style-type: none"> <li>• Working with State Energy Steering Committee on new opportunities</li> </ul>	- - -
<ul style="list-style-type: none"> <li>• Assess potential synergy between the Delaware Energy Office's and AQM's mobile source programs and recommend path forward, if synergy is found, by 6/29/07.</li> </ul>	<ul style="list-style-type: none"> <li>• No work to date</li> </ul>	- - -	