

Delaware Air Quality Management

2007

Air Toxics Strategic Plan

Mid-year Status Reports

(January through June 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

Mid-year Status - *Summary* Report
(January through June 2007)

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

2007 Air Toxics Strategic Plan – Mid-year Summary Status

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

Key Accomplishments

- Issued year-end status report for the 2006 Air Quality Management (AQM) Air Toxics Strategic Plan.
- Updated and finalized the 2007 AQM Air Toxics Strategic Plan identifying needed activities during the 2007 to 2011 period.
- Working with various state, federal, and regional partners, participated in the Delaware Clean Marina Program's workshop promoting the adoption of voluntary management practices to prevent pollution.

Significant Current Activities

- Actively participating on National Association of Clean Air Agencies (NACAA) air toxics committee. (Ongoing activity)
- Working with Mid-Atlantic Regional Air Management Association (MARAMA) on the planning and development of a November 2007 MACT Workshop. (Exp. completion – 11/30/07)
- Developing a mid-year status report on the 2007 AQM Air Toxics Strategic Plan activities. (Exp. completion – 9/28/06)

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 – 1/31/08)

• *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.

Significant Current Activities

- Monitoring of air toxics continues in Wilmington [carbonyls, metals and volatile organic compounds (VOCs)] and Delaware City [VOCs]. (Exp. completion – 12/31/07)
- Initiated implementation of the Upper Air Profiler project to provide meteorological data for potential use in air toxics modeling. (Exp. completion – 10/31/07)

2007 Air Toxics Strategic Plan – Mid-year Summary Status

• ***Build greater understanding of ambient air toxics environment - Continued***

Pending

- A number of special projects utilizing AQM's enhanced time-resolution capabilities for VOC measurements remain on hold pending outcome from an April 2007 grant request. (Exp. completion – Unknown)

• ***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.

Pending

- Development of the DATAS Phase II regional-scale modeling remain on hold pending Environmental Protection Agency (EPA) release of model-ready 2002 National Emissions Inventory (NEI) mobile source emission data and completion of the Sparse Matrix Operational Kernel Emissions (SMOKE) model enhancements. (Exp. completion – 10/31/07)
- 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 – 12/31/07)

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

Key Accomplishments

- Completed the final 2005 NEI for criteria pollutants.

Pending

- The full 2005 air toxics emissions inventory was cancelled due staff shortage. (Cancelled)
- Work of source apportionment with the DATAS Phase II results has been delayed pending completion of the regional-scale modeling. (Exp. completion – Unknown)
- Initial implementation of protocols to respond to future residual risk standards and urban area source category rules was implemented but not as effective as expected. Alternative approaches are being explored. (Exp. completion – Unknown)

2007 Air Toxics Strategic Plan – Mid-year Summary Status

• 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 8 newly proposed urban area source standards proposed by EPA and submitted comments where appropriate. For example, comments were submitted on the proposed federal “stage 1 gasoline distribution” area source standard, which was significantly less stringent than current Delaware requirements.

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)
- Commencing implementation plan for the residual risk requirements at dry cleaning facilities. (Exp. completion – 7/08)
- Continuing to test new procedures or protocols to more efficiently address the review and evaluation of the growing number of newly proposed federal residual risk and area source standards. (Exp. completion – 12/07)

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)

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

Key Accomplishments

- Completed 24 full compliance evaluations (FCEs) of perchloroethylene dry cleaning facilities. The 24 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 that will significantly reduce VOCs and air toxics emissions from lightering operations.
- Completed a more stringent amendment to the existing open burning regulation.
- Completed assessment of the 4 area source category standards promulgated by EPA. No Delaware sources identified.

2007 Air Toxics Strategic Plan – Mid-year Summary Status

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

Key Accomplishments - Continued

- Awarded grants to 3 Delaware trucking companies for purchase and testing of auxiliary power units as alternative to idling of diesel vehicles.
- 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.
- Provided air toxics outreach materials at the June 2006 Claymont Coalition meeting.

Significant Current Activities

- Completed 7 FCEs of Title V MACT sources. There are 11 applicable sources in the compliance monitoring plan for 2007. (Exp. completion – 9/30/07)
- Continued regular participation in Claymont Coalition meetings. (Ongoing activity)
- Provided over \$1 million in grants and reserves for implementation of renewable and advanced energy technologies and energy saving programs, such as Energy Answers. (Ongoing activity)
- Engaged in discussion with the State's fleet provider on increasing the used of alternative transportation fuels. (Exp. completion – Unknown)
- Continued to actively encourage Delaware salvage yard operations to participate in the End of Life Vehicle Solutions (ELVS) mercury switch pollution prevention program. (Ongoing activity)
- Adopting new regulation to reduce emissions from smoking vehicles. (Exp. completion – 12/07)
- Updating and revising format of halogenated solvent cleaning and secondary aluminum production requirements in Regulation 1138. (Exp. completion – 8/11/07)
- Updating and revising format of chromium electroplating requirements in Regulation 1138. (Exp. completion – 11/11/07)
- Updating and revising format of perchloroethylene dry cleaning facility requirements in Regulation 1138 in line with EPA's recent residual risk promulgation. (Exp. completion – 2nd Quarter 2008)
- Preparing significant education and outreach program focusing on energy efficiency and conservation. (Exp. completion – 4th Quarter 2007)
- Developing a school bus anti-idling outreach program focused on schools and the owners and operators of school bus fleets. Initial outreach activities are scheduled for October 2007. (Ongoing activity)
- Developing joint agency education and outreach program focusing on air toxics and pollution prevention around the home. (Exp. completion – 3rd Quarter 2007)

2007 Air Toxics Strategic Plan – Mid-year Summary Status

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

Pending

- Completed only 1 FCE of auto body refinishing facilities due to limited resources. The 2007 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 further development of the regulatory language. (Exp. completion – 4th Quarter 2007)
- 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 – Unknown)
- 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 – Unknown)

• *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.

Significant Current Activities

- Monitoring of air toxics continues in Wilmington [carbonyls, metals and VOCs] and Delaware City [VOCs]. (Exp. completion – 12/31/07)

Pending

- The full 2005 air toxics emissions inventory was cancelled due staff shortage. (Cancelled)
- Work of source apportionment with the DATAS Phase II 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 air small business ombudsman to the business communities by participation in the 3/27/07 multiple agency “Clean Marina” workshop aimed at operators of marinas, boatyards and yacht clubs.

ACRONYMS

AQM	Air Quality Management Section
CMAQ	Congestion Mitigation and Air Quality
DATAS	Delaware Air Toxics Assessment Study
DNERR	Delaware National Estuarine Research Reserve
E-85	Gasoline alternative containing 85% ethanol
ELVS	End of Life Vehicle Solutions
EPA	U. S. Environmental Protection Agency
FCE	Full Compliance Evaluation
FTE	Full Time Employee
MACT	Maximum Achievable Control Technology
MARAMA	Mid-Atlantic Regional Air Management Association
MPO	Metropolitan Planning Organization
NACAA	National Association of Clean Air Agencies
NEI	National Emissions Inventory
SEU	Sustainable Energy Utility
SMOKE	Sparse Matrix Operational Kernel Emissions modeling system
VOC	Volatile Organic Compound

Delaware

Air Quality Management

2007 Air Toxics Strategic Plan

Mid-year Status - *Detailed* Report
(January through June 2007)

9/28/07

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
2007		
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts. 		
<ul style="list-style-type: none"> • Track implementation and report year-end-status of the 2006 Air Toxics Strategic Plan (ATSP) by 2/28/07. 	<ul style="list-style-type: none"> • Completed on 2/27/07 	---
<ul style="list-style-type: none"> • Finalize the 2007 ATSP and submit to EPA R3 by 2/28/07. 	<ul style="list-style-type: none"> • Completed on 2/27/07 	---
<ul style="list-style-type: none"> • Review status and complete year-end status report on the 2006 individual Strategic Plans by 1/19/07. 	<ul style="list-style-type: none"> • Completed on 2/27/07 	---
<ul style="list-style-type: none"> • Review status and complete mid-year status report on the 2007 individual Strategic Plans by 7/31/07. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 8/07
<ul style="list-style-type: none"> • Track implementation and report mid-year status on the 2007 ATSP by 9/28/07. 	<ul style="list-style-type: none"> • Kicked off the mid-year status reporting process on 6/13/07 	<ul style="list-style-type: none"> • 9/28/07
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2008-2012 		
<ul style="list-style-type: none"> • Coordinate development of the 2008 Air Toxics Strategic Plan (ATSP) for the years 2008 to 2012. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 4Q07
<ul style="list-style-type: none"> • Incorporate risk results from the DATAS Phase I and II into the preparation and development of the air toxics strategic planning process. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 4Q07
<ul style="list-style-type: none"> • Update individual Strategic Plans for 2008-2012 by 10/31/07. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 4Q07
<ul style="list-style-type: none"> • Update and finalize 2008 ATSP for years 2008 to 2012 by 12/31/07 and submit to EPA R3, if appropriate. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 12/31/07
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. 	<ul style="list-style-type: none"> • Actively participating on NACAA Air Toxics Committee • Participating in development of MARAMA MACT workshop 	<ul style="list-style-type: none"> • Ongoing • 12/07
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program. 	<ul style="list-style-type: none"> • Facilitating the re-self-certification of auto body shop through site visits and addressing business community's questions 	<ul style="list-style-type: none"> • 7/31/07
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue implementing the DE Pollution Prevention program. 	<ul style="list-style-type: none"> • Internal Green Group committee is actively working to implement P2 within DNREC. • Held DE Clean Marina workshop on 3/27/07. 	---

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement an ongoing program to address the risks from exposure to air toxic – cont.	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware’s energy program. 	<ul style="list-style-type: none"> • Maintained communications with national partners 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions. 	<ul style="list-style-type: none"> • Revising air toxics Reg. 1138 to provide full text for public and regulated community <ul style="list-style-type: none"> • Subpart T and RRR • Subpart N 	<ul style="list-style-type: none"> • 8/07 • 11/07
	<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed. 		
	<ul style="list-style-type: none"> • Establish an internal protocol and identify lead to implement Branch’s air toxics strategic planning activities by 3/30/07. 	<ul style="list-style-type: none"> • Rotation assignment complete Henry and Pirestani to share duties 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to evaluate and realign Area Source Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed. 	<ul style="list-style-type: none"> • Lost one FTE during 1H07 • Replacement of 3 open positions is underway 	<ul style="list-style-type: none"> • 1/08
<ul style="list-style-type: none"> • Establish and staff a separate mobile source program. (ON HOLD) 	<ul style="list-style-type: none"> • No activity due to limited resources 	<ul style="list-style-type: none"> • Unk 	

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Build greater understanding of ambient air toxics environment	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. 		<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3 on 3/30, 6/30, 9/30 and 12/31. 	<ul style="list-style-type: none"> • Completed first 6 months of 12 month plan • Reports submitted 3/07 & 6/07 	<ul style="list-style-type: none"> • 12/07 • 12/07
	<ul style="list-style-type: none"> • Submit quarterly air toxics monitoring data to national AIRS-AQS database following validation of laboratory results. 	<ul style="list-style-type: none"> • Data reviewed and submitted as received from laboratories 	<ul style="list-style-type: none"> • 1Q/08
	<ul style="list-style-type: none"> • 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. 		
	<ul style="list-style-type: none"> • Present results of completed E-DATAS project to Branch employees. 	<ul style="list-style-type: none"> • All project objectives met • Presentation to be arranged 	<ul style="list-style-type: none"> • --- • Unk
	<ul style="list-style-type: none"> • Undertake a special project with UD to provide near real time organic aerosol speciation at MLK, start-up date yet to be determined. 	<ul style="list-style-type: none"> • Project in start-up phase 	<ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • Implement Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. 	<ul style="list-style-type: none"> • Equipment received in 2Q07 • Site being negotiated 	<ul style="list-style-type: none"> • --- • 10/07
	<ul style="list-style-type: none"> • Continue to identify funding requirements and sources, as well as, staffing needed in order to . . . 		
	<ul style="list-style-type: none"> • Fully implement our enhanced time-resolution capabilities for VOC measurements 	<ul style="list-style-type: none"> • Grant proposal submitted to EPA in 4/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Potential projects would provide <ul style="list-style-type: none"> • Time-integrated air toxics data for air monitoring group. 	<ul style="list-style-type: none"> • On hold, pending grant outcome 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Improve model validation. 	<ul style="list-style-type: none"> • On hold, pending grant outcome 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Serve as potential information source for SIP development. 	<ul style="list-style-type: none"> • On hold, pending grant outcome 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Means to investigate predicted air toxics hot-spots throughout state. 	<ul style="list-style-type: none"> • On hold, pending grant outcome 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Serve as an analytical tool for addressing additional air toxics projects. 	<ul style="list-style-type: none"> • On hold, pending grant outcome 	<ul style="list-style-type: none"> • Unk 	
<ul style="list-style-type: none"> • Undertake new or special monitoring needs that may surface. 	<ul style="list-style-type: none"> • Grant proposal submitted to USDA in 6/07 for ammonia study 	<ul style="list-style-type: none"> • Unk 	

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Build greater understanding of ambient air toxics environment – cont.	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Provide air toxics modeled results (HAP concentrations) based on DATAS-2003 emissions inventory, to support . . . 		
	<ul style="list-style-type: none"> • Assessment of air toxics health impacts in communities by 1/31/07. 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Assessment of air toxics health impacts in communities on as needed basis. 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Development of toxics standards based on cumulative risk on as needed basis. 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Development of control strategies to meet the new air toxics standards on as needed basis. 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Assist the air permitting decision-making process by considering cumulative impacts on as needed basis. 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Continue to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts on control strategies. 	<ul style="list-style-type: none"> • On hold; low priority 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Determine need for or value of conducting another DATAS project in 2009 by 12/31/07. 	<ul style="list-style-type: none"> • On hold - pending completion of DATAS Phase II Report 	<ul style="list-style-type: none"> • Unk 	

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
2007		
<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks associated with 2003 modeled results. 		
<ul style="list-style-type: none"> • Provide modeled concentrations to DPH for risk assessments. <ul style="list-style-type: none"> • From 2003 local-scale and 1999 regional-scale modeling by 1/31/07. 	<ul style="list-style-type: none"> • Completed local-scale modeling on 2/15/07 • Use of 1999 regional-scale dropped 	<ul style="list-style-type: none"> • --- • ---
<ul style="list-style-type: none"> • From 2002 (other states) and 2003 (Delaware) regional-scale modeling by 3/31/07. 	<ul style="list-style-type: none"> • 2002 regional-scale modeling on hold pending release of mobile source HAPs data and enhancements to SMOKE model 	<ul style="list-style-type: none"> • 9/07
<ul style="list-style-type: none"> • Reconcile the DATAS-2003 monitored and modeled concentrations for the five (5) air toxics monitoring sites by 4/30/07. 		
<ul style="list-style-type: none"> • Compounds modeled by local-scale modeling by 1/31/07. 	<ul style="list-style-type: none"> • Active review underway 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Compounds modeled by regional-scale modeling by 4/30/07. 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Coordinate risk assessments needs and results for model-generated for DATAS Phase II with DPH by 2/28/07. 	<ul style="list-style-type: none"> • Submitted local-scale results on 2/15/07 • Submission of regional-scale on hold pending availability of 2002 mobile source data and SMOKE model enhancements 	<ul style="list-style-type: none"> • --- • 9/07
<ul style="list-style-type: none"> • Complete DATAS-2003 Phase II modeling report by 4/30/07 	<ul style="list-style-type: none"> • On hold pending completion of modeled results 	<ul style="list-style-type: none"> • 10/07
<ul style="list-style-type: none"> • Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate. 		
<ul style="list-style-type: none"> • Commence assessment of model performance based on E-DATAS mobile van measurements by 6/29/07. 	<ul style="list-style-type: none"> • Assessment is underway 	<ul style="list-style-type: none"> • 9/07
<ul style="list-style-type: none"> • Commence source apportionment analyses for air toxics including residential wood stoves and diesel PM by 6/29/07. 	<ul style="list-style-type: none"> • On hold; low priority 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Under investigation 	<ul style="list-style-type: none"> • 10/07
<ul style="list-style-type: none"> • Acquire needed software and hardware to better illustrate the levels of risk by 7/31/07. 	<ul style="list-style-type: none"> • On hold pending investigation 	<ul style="list-style-type: none"> • 11/07
<ul style="list-style-type: none"> • Coordinate ongoing risk assessment support and guidance of DPH for air toxics control strategy implementation and risk management planning activities. 	<ul style="list-style-type: none"> • No activity done this period 	<ul style="list-style-type: none"> • Unk

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify potential harm from exposure to air toxics – cont.	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks associated with 2003 modeled results. 		
	<ul style="list-style-type: none"> • Identify and assess alternatives to DPH-provided risk assessments by 12/31/07, if appropriate. 	<ul style="list-style-type: none"> • Under evaluation 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Review DATAS Phase II results to determine impacts and prepare responses for anticipated questions concerning stationary sources with the release of the source apportionment information. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Coordinate E&C responses to DATAS results with other AQM branches to ensure consistent responses. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public's health. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk 	

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Gather information related to air toxics sources	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Develop a listing of sources that will be affected by proposed “urban” area source standards, under Sect. 112(k). 	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • 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, . . . <ul style="list-style-type: none"> • Identifying presence and number of affected sources in Delaware. 	<ul style="list-style-type: none"> • Complete in 1/07 • Planning to provide summary of proposed area standards 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> • Establishing organizational oversight. 	<ul style="list-style-type: none"> • Complete in 1/07 • E&C will assign oversight to PMI on a case-by-case basis 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> • Source identification. 	<ul style="list-style-type: none"> • Complete in 1/07 • E&C to provide timely determination of affected sources 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> • Preparing comments on EPA proposed rule. 	<ul style="list-style-type: none"> • Ongoing 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Path forward. 	<ul style="list-style-type: none"> • Process was not effective with 4/4/07 proposal of 6 standards • Review process upon next proposal of area source standards 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Commence working on source apportionment with Mohammed Majeed associated with the DATAS Phase II results in 3Q07. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Investigate emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Provide emissions inventory support to the air toxics education and reduction programs, as required. 	<ul style="list-style-type: none"> • No opportunities presented to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Develop and submit 2005 NEI for HAPs from stationary point sources to EPA R3 by 6/1/07. 	<ul style="list-style-type: none"> • Completed NEI on 5/31/07 • HAPs inventory was cancelled due to lack of resources 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> • Determine need for or value of modeling risk based on 2005 HAPs emission inventory by 12/31/07. 	<ul style="list-style-type: none"> • On hold - pending completion of DATAS Phase II Report 	<ul style="list-style-type: none"> • Unk

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	Identify options for reducing air toxics in the environment	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Completed on 1/18/07 • No further action is needed as MOU was determined to be sufficient authority 	---
	<ul style="list-style-type: none"> • Explore delegation alternatives with EPA Region 3 for area source rules promulgated under 112(k) by 9/28/07. 	<ul style="list-style-type: none"> • On hold pending management feedback 	• Unk
	<ul style="list-style-type: none"> • Work with E&C and ASC to develop protocol to address area source standard under 112(k) by 1/15/07. 	<ul style="list-style-type: none"> • Complete in 1/07 • Process found ineffective with 4/4/07 proposal of 6 standards • Review process upon next proposal of area source standards 	--- --- • Unk
	<ul style="list-style-type: none"> • Continue to support and participate in the Claymont Industry Partnership Initiative. 	<ul style="list-style-type: none"> • Participated in all (2) stakeholder meetings to date 	• Ongoing
	<ul style="list-style-type: none"> • Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124. 	<ul style="list-style-type: none"> • No work to date 	• 12/31/07
	<ul style="list-style-type: none"> • Continue to implement, with inputs from the Cancer Consortium, the Wilmington community-based air toxics reduction program. 		
	<ul style="list-style-type: none"> • Identify and engage a professional facilitator to conduct the community meetings. 	<ul style="list-style-type: none"> • Draft contract reviewed 	• Unk
	<ul style="list-style-type: none"> • Identify and secure stakeholders interested in participating in the Wilmington community-based air toxics reduction program. 	<ul style="list-style-type: none"> • Preliminary list of stakeholder candidates needs to be updated 	• Unk
	<ul style="list-style-type: none"> • Working with the stakeholders, identify acceptable meeting dates, times and locations. 	<ul style="list-style-type: none"> • On hold pending finalization of stakeholders 	• Unk
	<ul style="list-style-type: none"> • Kick-off community-based air toxics reduction program consistent with the stakeholders' schedule. 	<ul style="list-style-type: none"> • On hold pending finalization of stakeholders 	• Unk
	<ul style="list-style-type: none"> • If DATAS Phase II identifies mobile source-driven "hot spots", initiate development of a mobile source air toxics reduction or education programs by 12/31/07. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	• Unk
	<ul style="list-style-type: none"> • Determine timing and need for case-by-case MACT determination for PVC MACT (Subpart J). 	<ul style="list-style-type: none"> • Ongoing 	• Ongoing
	<ul style="list-style-type: none"> • Continue to evaluate and, as appropriate, act upon federal rulemakings. 		
	<ul style="list-style-type: none"> • Review and comment, if appropriate, on federally proposed mobile source air toxics rules. (ON HOLD) 	<ul style="list-style-type: none"> • No activity due to limited resources 	• Unk
<ul style="list-style-type: none"> • Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative projects and report status to EPA R3 on 3/15, 6/30, 9/30 and 12/31. 	<ul style="list-style-type: none"> • Attended retrofit funding workshop in Philadelphia on April 23-24 	• Ongoing	

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	Identify options for reducing air toxics in the environment – cont.	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Reassess current contribution to smart growth oversight to encourage consideration of impact of mobile source emissions by 12/31/07. 	<ul style="list-style-type: none"> • No activity 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants. 		
	<ul style="list-style-type: none"> • Participate in inter-agency consultation workgroup’s 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3 on 3/15/07 & 9/30/07. 	<ul style="list-style-type: none"> • Held consultation workgroup meeting on 6/14/07 to discuss amendments to Delaware Transportation Conformity Regulation 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3 on 3/15/07 & 9/30/07. 	<ul style="list-style-type: none"> • Regularly attend MPO technical advisory committees and comment on TIP and Plan 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Schedule presentation of the mobile source air toxics results following the release of the DATAS Phase II report. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Judge ability to take a leadership role in the financial grant process. 		
	<ul style="list-style-type: none"> • Facilitate the identification, preparation and submission for transportation-related grants or other funding. 	<ul style="list-style-type: none"> • No activity 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Investigate opportunities for other educational grants to create/disseminate information about risk and air toxics, ongoing. 		
	<ul style="list-style-type: none"> • Explore and implement educational grant opportunity, if found. 	<ul style="list-style-type: none"> • Potential funding source identified 	<p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • Submittal of funding application to be submitted for outreach for the dry cleaning residual risk 	<ul style="list-style-type: none"> • Identified funding for joint outreach with P2 for use later in the year 	<ul style="list-style-type: none"> • 4Q07
	<ul style="list-style-type: none"> • Continue to identify resources and funding needed to implement DATAS and other air toxics communications and outreach programs. 	<ul style="list-style-type: none"> • Other funding avenues identified and funding is being sought 	<ul style="list-style-type: none"> • 10/07
	<ul style="list-style-type: none"> • Working with other programs, identify and pursue funding opportunities for implementing community-based projects. 	<ul style="list-style-type: none"> • This should be discussed in the further stages of the Claymont industrial partnership. 	<ul style="list-style-type: none"> • 9/07
	<ul style="list-style-type: none"> • Working with other branches, identify and pursue funding opportunities for implementing community-based projects. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 12/08
	<ul style="list-style-type: none"> • Working with other branches, identify and pursue funding opportunities for implementing community-based projects. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Working with other branches, identify and pursue funding opportunities for implementing community-based projects. 	<ul style="list-style-type: none"> • Completed grant for small PV system for DNERR’s site 	<p style="text-align: center;">- - -</p>
		<ul style="list-style-type: none"> • Working with DNERR’s on larger PV application 	<ul style="list-style-type: none"> • Unk
		<ul style="list-style-type: none"> • Working with State Energy Steering Committee on new opportunities 	<ul style="list-style-type: none"> • Ongoing

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify options for reducing air toxics in the environment – cont.	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Identify and evaluate options for adopting and implementing the urban area source standards. 	<ul style="list-style-type: none"> • No applicable standards promulgated by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Explore options for implementing the residual risk requirements for Dry Cleaning facilities by 3/31/07. 	<ul style="list-style-type: none"> • Path forward finalized on 6/20/07 	<p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • Evaluate the need for the development of additional source category permits to address air toxics issues, ongoing. 	<ul style="list-style-type: none"> • No candidates identified as of 6/30/07 • Rotation Assignment complete 7/07 	<ul style="list-style-type: none"> • Unk • Ongoing
	<ul style="list-style-type: none"> • Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. 		
	<ul style="list-style-type: none"> • Newly proposed federal residual risk standards, applicable to Delaware. The following are scheduled for proposal in June 2007. 		
	<ul style="list-style-type: none"> • Subpart N (Chrome plating facilities). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart U (Polymers & Resins – Group 1). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart Y (Marine vessel loading facilities). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart CC (Petroleum refining facilities). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart GG (Aerospace coating facilities). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart RRR (Secondary aluminum smelters). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Subpart VVV (Publicly Owned Treatment Works). 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Generic residual risk rule or alternative residual risk methodologies, when proposed by EPA. 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Newly proposed urban area source standards proposed under Section 112(k), if applicable to Delaware. 		
	<ul style="list-style-type: none"> • Performance Based Standard for “urban” area source Federal rulemaking. 	<ul style="list-style-type: none"> • Not yet proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Hospital sterilizers in 1Q2007. 	<ul style="list-style-type: none"> • Completed on 1/6/07 • No comments submitted 	<p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • Gasoline distribution – Stage 1 (includes gasoline service stations) in 1Q2007. 	<ul style="list-style-type: none"> • Completed on 2/5/07 • Comments submitted to EPA 	<p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • 20 others yet to be identified. 	<ul style="list-style-type: none"> • Six standards promulgated on 4/4/07 <ul style="list-style-type: none"> • Delaware affected by 2 standards • No comments submitted • No other proposed by 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector. 	<ul style="list-style-type: none"> • No new standards under development as of 6/30/07 	<ul style="list-style-type: none"> • Unk

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
2007		
Implement appropriate actions to reduce the harm from exposure to air toxics		
<ul style="list-style-type: none"> • Promote the implementation of mobile source air toxics reduction initiatives/programs. 		
<ul style="list-style-type: none"> • Working with other State and Regional agencies, actively promote implementation of the Best Workplaces for Commuters and SmartWay Transport programs. 	<ul style="list-style-type: none"> • Regularly attend TMA/Ride Share/DART planning meetings 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • 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 & 9/30/07. 	<ul style="list-style-type: none"> • No activity 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Actively promote electrification projects. 		
<ul style="list-style-type: none"> • Truck Stops. (ON HOLD) 	<ul style="list-style-type: none"> • No activity due to limited resources 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Warehouses. (ON HOLD) 	<ul style="list-style-type: none"> • No activity due to limited resources 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Ports. (ON HOLD) 	<ul style="list-style-type: none"> • No activity due to limited resources 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. 		
<ul style="list-style-type: none"> • Conducting timely compliance inspections. 		
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Completed 7 of 11 required full compliance evaluations 	<ul style="list-style-type: none"> • 9/30/07
<ul style="list-style-type: none"> • Inspect 25% of the dry cleaning facilities by 9/29/07. 	<ul style="list-style-type: none"> • Inspected 24 of 71 (34%) facilities 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Inspect 25% of the auto body refinishing shops. 	<ul style="list-style-type: none"> • Inspected only 1 facility; due to limited resources 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Develop and implement an inspection strategy for gasoline delivery vessels. 	<ul style="list-style-type: none"> • Inspection strategy developed in 4Q/06 	<ul style="list-style-type: none"> • - - -
<ul style="list-style-type: none"> • Implementation underway 	<ul style="list-style-type: none"> • Implementation underway 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Completed only required full compliance evaluation 	<ul style="list-style-type: none"> • - - -
<ul style="list-style-type: none"> • Revise dry cleaner source category permit consistent with the residual risk requirements being newly adopted into Subpart M of Regulation 38. 	<ul style="list-style-type: none"> • On hold pending initial drafting of Delaware regulatory language 	<ul style="list-style-type: none"> • 4Q07
<ul style="list-style-type: none"> • Develop a dry cleaning compliance assistance program for meeting the residual risk requirements by 3/31/07. 	<ul style="list-style-type: none"> • Program is under development 	<ul style="list-style-type: none"> • 10/15/07
<ul style="list-style-type: none"> • Commence dry cleaning on-site compliance assistance program for the residual risk requirements by 6/30/07. 	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 10/15/07

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2007 <ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. 		
<ul style="list-style-type: none"> • Provide outreach and education support for Area Sources' dry cleaning compliance assistance program. 	<ul style="list-style-type: none"> • Program is under development 	<ul style="list-style-type: none"> • 10/15/07
<ul style="list-style-type: none"> • Continue working with AQM to educate Drycleaners about new residual risk standard and changes to the source category permit. 	<ul style="list-style-type: none"> • No activity done this period 	<ul style="list-style-type: none"> • 1Q/08
<ul style="list-style-type: none"> • Provide technical support, as needed, to ASC for amending the Dry Cleaning Source Category Permits to incorporate the residual risk requirements. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • 4Q07
<ul style="list-style-type: none"> • Incorporating updated MACT requirements in air permits. 		
<ul style="list-style-type: none"> • Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed. 	<ul style="list-style-type: none"> • Ongoing 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed. 	<ul style="list-style-type: none"> • Ongoing 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Provide technical support, as needed, to E&C for Invista's submission of the Boiler MACT low risk determination. 	<ul style="list-style-type: none"> • On hold, due to pending vacatur 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Implement communications and outreach aspect of DATAS Phase II. 		
<ul style="list-style-type: none"> • Finalize communications and outreach aspect of the DATAS Phase II program and complete final DATAS report. 	<ul style="list-style-type: none"> • On hold pending completion of the modeling and risk assessment 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Continue DATAS public outreach agreement with next project phase. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Coordinate implementation of area source protocol when area source standards are promulgated. 		
<ul style="list-style-type: none"> • Four area source standards by 1/31/07. 	<ul style="list-style-type: none"> • Completed on 1/30/07 	<ul style="list-style-type: none"> • ---
<ul style="list-style-type: none"> • Ten area source standards by 7/31/07. 	<ul style="list-style-type: none"> • No applicable sources in DE • On hold pending promulgation 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • 2/28 Report completed on 2/26/07 • No work to date on 2nd report 	<ul style="list-style-type: none"> • --- • 9/30/07

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
2007		
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
<ul style="list-style-type: none"> • Implement other air toxics-related communications and outreach programs. 	<ul style="list-style-type: none"> • No activity 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • 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"> • Alternative to workbooks being developed 	<ul style="list-style-type: none"> • 10/07
<ul style="list-style-type: none"> • Finalize school workbooks by 8/31/07. 	<ul style="list-style-type: none"> • Program is under development 	<ul style="list-style-type: none"> • 10/07
<ul style="list-style-type: none"> • Complete development of outreach by 9/31/07. 	<ul style="list-style-type: none"> • No activity 	<ul style="list-style-type: none"> • 4Q07
<ul style="list-style-type: none"> • Conduct initial school outreach by 10/31/07. 	<ul style="list-style-type: none"> • Inaugural outreach scheduled for 2007 Coast Day 	<ul style="list-style-type: none"> • 10/07
<ul style="list-style-type: none"> • Commence outreach programs by 12/31/07. 		
<ul style="list-style-type: none"> • Participate in community/industrial air toxics outreaches and evaluate new opportunities. 	<ul style="list-style-type: none"> • Local group/bucket brigade established 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Claymont Coalition. 	<ul style="list-style-type: none"> • Local group/bucket brigade established 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Claymont Industrial Partnership Initiative. 	<ul style="list-style-type: none"> • As needed 	<ul style="list-style-type: none"> • As needed
<ul style="list-style-type: none"> • Explore new outreach opportunities. 	<ul style="list-style-type: none"> • Provided air toxics outreach materials for June 2007 Claymont Coalition meeting 	---
<ul style="list-style-type: none"> • Continue to support Engineering and Compliance’s community/industrial air toxics outreach programs. 	<ul style="list-style-type: none"> • As opportunities arise 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • Periodically sent brochure information to trucking companies 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Develop and implement education and outreach programs associated with the open burning rulemaking and its implementation. 	<ul style="list-style-type: none"> • Communication Plan completed in 12/07 	---
	<ul style="list-style-type: none"> • Website and brochure developed 	---
	<ul style="list-style-type: none"> • Multiple outreaches conduct through 6/07 	---
	<ul style="list-style-type: none"> • Additional outreaches planned throughout the “ban” season 	<ul style="list-style-type: none"> • 9/30/07
<ul style="list-style-type: none"> • Continue to work with other State agencies including DPH on air toxics communications and outreaches. 	<ul style="list-style-type: none"> • No opportunities identified to date 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Pending outcome of delegation alternatives review, prepare delegation packages and request delegation of authority for changes adopted in Regulation 38 for area source standards. 	<ul style="list-style-type: none"> • On hold, pending resolution of alternative delegation methodology 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Continue to participate on regional and national rulemaking committees, as appropriate. 	<ul style="list-style-type: none"> • No opportunities to date 	<ul style="list-style-type: none"> • Unk

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
<p>2007</p> <p style="text-align: center;">Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources. <ul style="list-style-type: none"> • Adopting new air toxics rules. <ul style="list-style-type: none"> • Adopt new Smoking Vehicle regulation by 12/31/07. • Amending existing air toxics rules. <ul style="list-style-type: none"> • Amend Regulation 31 to expand the low enhanced inspection and maintenance program to include Sussex County by 9/31/07. • Amend, if appropriate, Delaware Regulation 1145 based on anti-idling model rule for on-road diesel engines by 12/31/07. • Amend Regulation 24 by adopting new Section 46 to reduce the emissions of VOCs and HAPs from lightering operations by 2/11/07. • Amend Regulation 13 to expand the prohibition on open burning statewide by 6/29/07. • Amend Regulation 25 by amending new source review requirements by 3/30/07. • Amend Regulation 38 Subpart M (Dry Cleaners) for residual risk standard and title V permitting changes by 12/31/07. • Amend Regulation 38 Subpart N (Chrome Plating) for MACT standard and title V permitting changes by 10/31/07. • Amend Regulation 38 Subpart T (Solvent Degreasers) for title V permitting changes by 10/31/07. • Amend Regulation 38 Subpart RRR (Aluminum Sweat Furnaces) for title V permitting changes by 10/31/07. • Amend Regulation 41 by amending Section 2 (Consumer Products) by 12/31/07. • Amend Regulation 41 by amending Section 3 (Portable Fuel Containers) by 12/31/07. • Amend Regulation 41 by adding a new Section (Adhesives and Sealants) by 12/31/07. • 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. 	<ul style="list-style-type: none"> • Regulation drafted • Expected final in 4th quarter • No activity to date, expect drafting regulation in 4th quarter • No activity • Completed on 5/11/07 • Completed on 5/11/07 • Stakeholder committee meetings on hold • Initial draft amendment completed on 5/29/07 • Initial draft amendment completed on 5/10/07 • Public hearing scheduled for 8/23 • Public hearing held on 6/21/07 • Public hearing held on 6/21/07 • Rule development on hold pending progress of expected federal rulemaking • Rule development on hold pending progress of expected California rulemaking • Applicability issues under review • No work to date 	<ul style="list-style-type: none"> • 12/07 • 2008 • Unk • --- • --- • Unk • 2Q/08 • 11/11/08 • 8/11/07 • 8/11/07 • Unk • Unk • Unk • 12/31/07

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2007 <ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources. Continued 	<ul style="list-style-type: none"> • No new standards under development as of 6/30/07 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate. 	<ul style="list-style-type: none"> • On hold pending promulgation 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses. 		
<ul style="list-style-type: none"> • Develop and implement protocols for enforcement of newly promulgated federal and AQM regulations by 6/30/07. Protocols to include at minimum, . . . 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • NA
<ul style="list-style-type: none"> • Establishing organizational oversight. 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • NA
<ul style="list-style-type: none"> • Source identification. 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • NA
<ul style="list-style-type: none"> • Permitting activities and timelines associated with rule’s compliance requirements. 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • NA
<ul style="list-style-type: none"> • Resource and training needs. 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • NA
<ul style="list-style-type: none"> • Path forward. 	<ul style="list-style-type: none"> • Rotation assignment complete July 2007; DeWhitt (Jan. through April), Terranova (May through August) and French (Sept. through December) 	<ul style="list-style-type: none"> • ---
<ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs. Potential new areas include: 		
<ul style="list-style-type: none"> • 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"> • DATAS Phase II Report Release. 	<ul style="list-style-type: none"> • DATAS Phase II Report not released as of 6/30/07 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Pollution prevention (P2) around the home. 	<ul style="list-style-type: none"> • Promoting P2 practices for the home at State Fair. 	<ul style="list-style-type: none"> • 7/30/07
<ul style="list-style-type: none"> • Air toxics around the home. 	<ul style="list-style-type: none"> • Promoting P2 practices for the home at State Fair. 	<ul style="list-style-type: none"> • 7/30/07
<ul style="list-style-type: none"> • Gasoline distribution rule. 	<ul style="list-style-type: none"> • Area source rule not promulgated as of 6/30/07 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office. 	<ul style="list-style-type: none"> • No opportunities identified to date 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Anti-idling Regulation education and outreach. 	<ul style="list-style-type: none"> • Anti-idling program for school bus fleets currently being designed for Delaware. Program to be implemented 9/07. 	<ul style="list-style-type: none"> • 12/07

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics – cont.	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • 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: 		
	<ul style="list-style-type: none"> • Continue working with the Delaware Automobile and Truck Recycler’s Association to provide pollution prevention perspectives and support for DNREC’s environmental program for salvage yards 	<ul style="list-style-type: none"> • Actively encouraging Delaware salvage yards to participate in the ELVS programs through site visits 	<ul style="list-style-type: none"> • 12/08
	<ul style="list-style-type: none"> • Mercury switch P2 program. 	<ul style="list-style-type: none"> • ELVS Program enacted in state. P2 Program is conducting site visits to encourage participation. 	<ul style="list-style-type: none"> • 12/08
	<ul style="list-style-type: none"> • An “urban” area source rule. 	<ul style="list-style-type: none"> • No Delaware applicable rule promulgated as of 6/30/07 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Claymont Industry Partnership Initiative. 	<ul style="list-style-type: none"> • Partnership Meetings held 4/4/07 & 6/6/07. 	<ul style="list-style-type: none"> • Next meeting 8/8/07
	<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with the industry and other agencies. Potential new areas include: 		
	<ul style="list-style-type: none"> • Energy Saving Performance Contracting. 	<ul style="list-style-type: none"> • Projects in development 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Energy An\$wers Program. 	<ul style="list-style-type: none"> • Nearly \$400K reserved 	<ul style="list-style-type: none"> • 2008-9
	<ul style="list-style-type: none"> • Home Appliances • Business • Home Performance 	<ul style="list-style-type: none"> • About 4 projects in the works • On Hold Pending SEU 	<ul style="list-style-type: none"> • 2008-9
	<ul style="list-style-type: none"> • Sustainable Energy Utility (SEU) 	<ul style="list-style-type: none"> • Key legislation signed. 	<ul style="list-style-type: none"> • ---
New	<ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs. Potential new areas include: 		
	<ul style="list-style-type: none"> • Implementation of DE-PA-MARAMA auxiliary power unit (APU) grant project. 	<ul style="list-style-type: none"> • Contracts were awarded in April to three Delaware trucking companies • Continued liaison APU oversight of Delaware trucking companies 	<ul style="list-style-type: none"> • --- • 3/08
	<ul style="list-style-type: none"> • Promote Mercury Switch Recycling through ELVS Program 	<ul style="list-style-type: none"> • Actively encouraging Delaware salvage yards to participate in the ELVS programs through site visits 	<ul style="list-style-type: none"> • 12/08

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion
2007 <ul style="list-style-type: none"> • Assist Brandywine school district with installation of diesel retrofits. 	<ul style="list-style-type: none"> • Preparing the RFP for Brandywine School's EPA grant award 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Facilitate the implementation of school bus diesel retrofits associated with the 2006 enforcement settlement funding. 	<ul style="list-style-type: none"> • Meeting with New Castle County schools to coordinate purchase of retrofits 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Coordinate the anti-idling enforcement effort. 	<ul style="list-style-type: none"> • No activity 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Implement a "Smoking Vehicle Reduction Program". 		
<ul style="list-style-type: none"> • Implement diesel emissions opacity instrumentation training program by 12/31/07. 	<ul style="list-style-type: none"> • Completed on 1/24/07 	<ul style="list-style-type: none"> • 1/24/07
<ul style="list-style-type: none"> • Develop and produce outreach materials and program to support baseline testing of smoking vehicle by 12/31/07. 	<ul style="list-style-type: none"> • On hold pending start of the regulatory activity 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Complete annual I/M report and submit report to EPA R3 by 7/31/07. 	<ul style="list-style-type: none"> • Report is in the process of being completed 	<ul style="list-style-type: none"> • 7/31/07
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs. Energy efficiency programs include: 		
<ul style="list-style-type: none"> • Energy efficiency and conservation education. 	<ul style="list-style-type: none"> • No outreach activities through June • Upcoming plans include outreaches at <ul style="list-style-type: none"> • Delaware State Fair • Coast Day • Home Show 	<ul style="list-style-type: none"> • July 07 • Oct 07 • Oct 07
<ul style="list-style-type: none"> • Building energy codes. 	<ul style="list-style-type: none"> • Completed 	<ul style="list-style-type: none"> • - - -
<ul style="list-style-type: none"> • Building energy efficiency. 	<ul style="list-style-type: none"> • Completed 	<ul style="list-style-type: none"> • - - -
<ul style="list-style-type: none"> • Energy Star program. 	<ul style="list-style-type: none"> • Program on hold 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Technical assistance and outreach for residential, commercial, industrial and agricultural customers. 	<ul style="list-style-type: none"> • No activity • Grant period opens in Sept/Oct 	<ul style="list-style-type: none"> • 2008
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: 		
<ul style="list-style-type: none"> • Green Energy Program. 		
<ul style="list-style-type: none"> • Photovoltaic Electric 	<ul style="list-style-type: none"> • Provided 19 grants for \$869,954 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Photovoltaic Hot Water 	<ul style="list-style-type: none"> • Provided 2 grants for \$6,000 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Geothermal 	<ul style="list-style-type: none"> • Provided 29 grants for \$71,900 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Wind 	<ul style="list-style-type: none"> • 0 grants given 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Renewable portfolio goals. 	<ul style="list-style-type: none"> • 	

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/07 Status	Expected Completion	
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.			
2007	<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: <ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels. • Installation of E-85 station in Bear. • Potential ethanol plant. • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Track State energy consumption and costs. • Performance contracting. • Electricity procurement for state-owned facilities. • Continue to provide air toxics-related support to State through. . . <ul style="list-style-type: none"> • Reviewing of air permits. • Providing current regulatory interpretations. • Advising on likely future trends and actions. 	<ul style="list-style-type: none"> • Engaged in discussions with Fleet • Complete - Station dispensing E-85 gasoline opened in Bear • No activity • Developing system • Projects in development • Signed 3 yr contract starting July 1, 2007 • Completed Industraplate permit review on 1/31/07 • Subpart T applicability under review • No activity to date 	<ul style="list-style-type: none"> • Unk • --- • Unk • Unk • Unk • 2010 • --- • Ongoing • 7/31/07 • Ongoing • Ongoing

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3 on 3/30, 6/30, 9/30 and 12/31. 	<ul style="list-style-type: none"> • Completed first 6 months of 12 month plan • Reports submitted 3/07 & 6/07 	<ul style="list-style-type: none"> • 12/07 • 12/07
	<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • No inventory activity done this period • No mobile source activity; 2005 NEI did not include mobile source HAPs • Procedure established for emission inventory data review 	<ul style="list-style-type: none"> • Unk • Ongoing
	<ul style="list-style-type: none"> • Working with other branches and EPA R3, continue to look for appropriate “air toxics indicators” to gauge progress in reducing air toxics. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Develop and submit 2005 NEI for HAPs from stationary point sources to EPA R3 by 6/1/07. 	<ul style="list-style-type: none"> • Completed NEI on 5/31/07 • HAPs inventory was cancelled due to lack of resources 	<ul style="list-style-type: none"> • - - -

2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Air toxics resource development	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Evaluate available training and encourage broader participation in risk-related training. 	<ul style="list-style-type: none"> • No opportunities presented to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate. 	<ul style="list-style-type: none"> • No opportunities presented to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Encourage broadened participation of air toxics risk training. 	<ul style="list-style-type: none"> • No outreach activities through June 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Encourage broadened participation on energy efficiency, conservation and education training. 	<ul style="list-style-type: none"> • Upcoming plans include outreaches at <ul style="list-style-type: none"> • Delaware State Fair • Coast Day • Home Show 	<ul style="list-style-type: none"> • July 07 • Oct 07 • Oct 07
	<ul style="list-style-type: none"> • Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization. 	<ul style="list-style-type: none"> • No programs or workshops to date • Submitted abstract on Enhanced DATAS modeling for CMAS Conference 	<ul style="list-style-type: none"> • 10/07
	<ul style="list-style-type: none"> • Continue to encourage broad participation in Regional air toxics training and workshops, when offered. 	<ul style="list-style-type: none"> • No opportunities presented to date 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Evaluate the need for air toxics related (risk, pollution prevention, etc.) training for staff and present, as needed. 	<ul style="list-style-type: none"> • Ongoing 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff. 	<ul style="list-style-type: none"> • Rotation assignment complete July 2007; DeWhitt (Jan. through April), Terranova (May through August) and French (Sept. through December) 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to assist in identifying resources and funding needed to implement DATAS and other air toxics communications and outreaches. 	<ul style="list-style-type: none"> • No activity done this period. 	<ul style="list-style-type: none"> • Unk
	<ul style="list-style-type: none"> • Identify better mechanisms to improve air toxics communications between branches. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • Unk
<ul style="list-style-type: none"> • Continue search for “painless” and better way to keeping Air Quality Management current on the ongoing status of the Air Toxics Strategic Plan. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • Unk 	

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2007 Air Toxics Strategic Plan – Mid-year Detailed Status

	Air toxics resource development	6/30/07 Status	Expected Completion
2007	<ul style="list-style-type: none"> • Promote open communications between programs on air toxics issues. 		
	<ul style="list-style-type: none"> • Jointly explore needs and opportunities for pollution prevention training with AQM's Engineering and Compliance Branch by 9/29/07. 	<ul style="list-style-type: none"> • Will research training needed by 9/01/07 	<ul style="list-style-type: none"> • 12/07
	<ul style="list-style-type: none"> • Continue to promote open communications between DNREC and small businesses on air toxics issues. 	<ul style="list-style-type: none"> • Continuing to promote the role of ombudsman to the business communities • Participated in the 3/27/07 "Clean Marina" workshop aimed at operators of marinas, boatyards and yacht clubs • Outreach scheduled for the State Fair 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 7/28/07
	<ul style="list-style-type: none"> • Promote open communications between branches, divisions and departments on energy efficiency, conservation and education. 	<ul style="list-style-type: none"> • Working with State Energy Steering Committee on new opportunities 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • 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. 	<ul style="list-style-type: none"> • No work to date 	<ul style="list-style-type: none"> • Unk 	