

**Delaware
Air Quality
Management**

2009

Air Toxics Strategic Plan

Mid-year Status
(January through June 2009)

Detailed Report

Delaware
Air Quality Management
2009 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 2009 ATSP, finalized on 12/31/08, 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**

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
2009		
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts. 		
<ul style="list-style-type: none"> • Review status and complete year-end status report on the 2008 individual Strategic Plans. 	<ul style="list-style-type: none"> • Completed on 2/6/09 	---
<ul style="list-style-type: none"> • Track implementation and report year-end-status of the 2008 Air Toxics Strategic Plan by 2/27/09. 	<ul style="list-style-type: none"> • Completed on 2/23/09 	---
<ul style="list-style-type: none"> • Review status and complete mid-year status report on the 2009 individual Strategic Plans. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 7/09
<ul style="list-style-type: none"> • Track implementation and report mid-year status on the 2009 Air Toxics Strategic Plan by 9/30/09. 	<ul style="list-style-type: none"> • Initial templates for mid-year reporting developed and distributed to partners 	<ul style="list-style-type: none"> • 9/09
<ul style="list-style-type: none"> • Updating of the Air Toxics Strategic Plan for 2010-2014 		
<ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source program and timing, as part of the 2010 Air Toxics Strategic Plan by 10/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 10/09
<ul style="list-style-type: none"> • Coordinate development of the 2010 ATSP including incorporation of DATAS results. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Update individual Strategic Plans for 2010-2014. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 11/09
<ul style="list-style-type: none"> • Update and finalize 2010 ATSP for years 2010 to 2014 by 12/31/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. 		
<ul style="list-style-type: none"> • Continue to support and participate in the Claymont Industry Partnership Initiative. 	<ul style="list-style-type: none"> • EPA scheduled no meeting or activities during this period 	<ul style="list-style-type: none"> • Unknown
<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"> • Paint stripping and miscellaneous coatings committee. 	<ul style="list-style-type: none"> • Completed on 2/5/09 	---
	<ul style="list-style-type: none"> • The federal rule will be broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) 	

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement an ongoing program to address the risks from exposure to air toxic – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program. Clean Marina Exposition. 	<ul style="list-style-type: none"> The Clean Marina Exposition was not held in 2009 Continuing to encourage and support marinas to obtain certification on a case-by case basis 	<p>---</p> <ul style="list-style-type: none"> Ongoing
	New	<ul style="list-style-type: none"> Delaware Green Lodging Program. Paint stripping and miscellaneous coatings committee. Claymont Industry Partnership Initiative. 	<ul style="list-style-type: none"> Continuing to encourage and support Delaware lodging businesses. Completed on 2/5/09 The federal rule will be broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) EPA has scheduled no activities to date
	<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"> Continued participation in . . . <ul style="list-style-type: none"> Clean State Program (Alt. Fuels) National Association of State Energy Officials (NASEO) Del Tech Leadership in Energy and Environmental Design (LEED) Board of Directors 	<ul style="list-style-type: none"> Ongoing
	<ul style="list-style-type: none"> Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions. 	<ul style="list-style-type: none"> Completed technical update on 2/23/09 of MARAMA’s MACT Workshop content No Delaware-related deficiencies, problems or needs were identified during this period 	<p>---</p> <ul style="list-style-type: none"> Ongoing

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“New” designates activities being undertaken in 2009 that were not included in the final 2009 Air Toxics Strategic Plan.

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement an ongoing program to address the risks from exposure to air toxic	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Commence redesign of the Air Quality Management “Air Toxics” webpage by 9/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 4Q09
	<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance’s assignments, organization structure and protocols to better address risk-based air toxics programs, as needed. 	<ul style="list-style-type: none"> • Expanded responsibilities of supervising managers to include facility responsibilities 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Assess and pursue implementation of a process for multi-agency sharing of new and existing source information new and existing sources. 	<ul style="list-style-type: none"> • Actively working on identifying information flow with accounting and permitting organizations 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source activities and timing, as part of the 2010 Air Toxics Strategic Plan by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
	<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"> • Adjusted the frequency of I/M inspections to meet limited resources 	<ul style="list-style-type: none"> • Ongoing

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Build greater understanding of ambient air toxics environment	6/30/09 Status	Expected Completion
2009	<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. 		
	<ul style="list-style-type: none"> • Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate. 	<ul style="list-style-type: none"> • Monitoring is progressing as scheduled 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. 	<ul style="list-style-type: none"> • Data submittals to AQS semi-annually or annually depending on laboratory and internal QA review schedule. 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to support University of Delaware’s special project to provide near real time organic aerosol speciation at MLK monitoring site. 	<ul style="list-style-type: none"> • Continued to provide support throughout this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. 	<ul style="list-style-type: none"> • Sampling suspended this period, due to equipment failure • Equipment repaired and sampling resumed in 7/09 	<ul style="list-style-type: none"> • - - - • Ongoing
	<ul style="list-style-type: none"> • Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics” under EPA air toxics grant. 	<ul style="list-style-type: none"> • Monitoring continues as scheduled 	<ul style="list-style-type: none"> • 12/09
	<ul style="list-style-type: none"> • Identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab by 12/31/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
	<ul style="list-style-type: none"> • Undertake new or special monitoring needs that may surface. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Begin to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts of control strategies. 	<ul style="list-style-type: none"> • On hold, low priority due limited resource 	<ul style="list-style-type: none"> • Unknown 	

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify potential harm from exposure to air toxics	6/30/09 Status	Expected Completion
2009	<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks associated with 2003 modeled results. 		
	<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 has not been release to date 	<ul style="list-style-type: none"> • Unknown
	<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 has not been release to date 	<ul style="list-style-type: none"> • Unknown
	<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 has not been release to date 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Continue to refine air toxics model for characterizing air toxics risks through utilization of applications in Sub-Grid Scale Variability (SGV). 	<ul style="list-style-type: none"> • Coauthored and presented a technical paper on use of SGV in short and long term exposure assessments at the American Meteorological Society Annual Meeting on 1/15/09 • Drafting a research paper on SGV applications for inclusion in a peer reviewed journal 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 12/09 for submittal to journal
	<ul style="list-style-type: none"> • Identify and assess alternatives to DPH-provided risk assessments, when appropriate. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Implement alternative risk assessments, when appropriate. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
<ul style="list-style-type: none"> • Provide modeling support for DNREC's interest in a proposed multimedia total exposure study, pending the start up of the study. 	<ul style="list-style-type: none"> • On hold, sponsors seeking funding for proposed total exposure study 	<ul style="list-style-type: none"> • Unknown 	

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify potential harm from exposure to air toxics – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks through future air toxics assessment programs. • Complete DATAS Phase II modeling report by 3/31/09. 	<ul style="list-style-type: none"> • Quality assurance review of initial modeling results identified some errors in emissions inventory, which requires remodeling of some compounds • Continued review of revised Phase II results following emission inventory and modeling revisions 	<ul style="list-style-type: none"> • 3Q09 • 4Q09
	<ul style="list-style-type: none"> • Coordinate ongoing risk assessment support and guidance of DPH for air toxics risk reduction activities. 	<ul style="list-style-type: none"> • No requests for risk assessment support or guidance from DPH were received this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Coordinate risk assessments needs and results for DATAS Phase II with DPH. 	<ul style="list-style-type: none"> • Received DPH risk assessment results in 12/08 • Completed development of Risk Maps in GIS in 3/09 • Reviewed of GIS Risk Maps with DATAS team on 4/16/09 • Additional risk assessment is planned following resolution of modeling and emission inventory issues for some compounds 	<ul style="list-style-type: none"> • --- • --- • --- • 4Q09
	<ul style="list-style-type: none"> • Initiate modeled assessment of the impact of mobile source air toxics in comparison to stationary and area source air toxics. 	<ul style="list-style-type: none"> • On hold, pending completion of DATAS Phase-II Report 	<ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate. 		
	<ul style="list-style-type: none"> • Continue analysis of data collected from E-DATAS projects. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Commence source apportionment analyses for air toxics with special attention to the following by 7/31/09: 		
	<ul style="list-style-type: none"> • Sources of air toxics of concern. 	<ul style="list-style-type: none"> • On hold, pending completion of DATAS Phase II Report 	<ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • Contribution of mobile sources versus stationary sources. 	<ul style="list-style-type: none"> • On hold, pending completion of DATAS Phase II Report 	<ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • Diesel particulate matter. 	<ul style="list-style-type: none"> • On hold, pending completion of DATAS Phase II Report 	<ul style="list-style-type: none"> • 2010
<ul style="list-style-type: none"> • Residential wood stoves. 	<ul style="list-style-type: none"> • On hold, pending completion of DATAS Phase II Report 	<ul style="list-style-type: none"> • 2010 	

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Gather information related to air toxics sources	6/30/09 Status	Expected Completion
2009	<ul style="list-style-type: none"> • Develop emissions inventory protocol for the implementation of the 2008 NEI by 6/09. 	<ul style="list-style-type: none"> • Completed in 5/09 	- - -
	<ul style="list-style-type: none"> • Continue review of emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results. 	<ul style="list-style-type: none"> • Based on preliminary risk assessment results, completed a review of the inventory for several pollutants that appeared to produced unexpected results • During review of inventory, several inventory errors were identified, corrected, and submitted for re-modeling in 5/09 	- - -
	<ul style="list-style-type: none"> • Commence working on source apportionment with the AQM modelers associated with the DATAS Phase II results. 	<ul style="list-style-type: none"> • No activity this period 	• Unknown
	<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 request for support received during this period 	• Ongoing
	<ul style="list-style-type: none"> • Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics. 	<ul style="list-style-type: none"> • On hold pending identification of “target sources” 	• Unknown
	<ul style="list-style-type: none"> • By 12/09, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA. 	<ul style="list-style-type: none"> • No federal standards promulgated during this period 	• Ongoing
	<ul style="list-style-type: none"> • By 12/09, identify and enter into AFS all new or previously unknown affected sources which are subject to Perc Dry Cleaning standard (1138 Sect 5). 	<ul style="list-style-type: none"> • No activity this period 	• Unknown
	<ul style="list-style-type: none"> • Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2009. 	<ul style="list-style-type: none"> • Submitted the April UST Semiannual Activities report 	- - -
	<ul style="list-style-type: none"> • Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed. 	<ul style="list-style-type: none"> • Reconfirmed potential miscellaneous parts and product affected sources on 6/5; providing environmental contacts to support Delaware’s adoption of Federal Sub HHHHHH • No applicable federal area source standards promulgated during this period 	- - - • Ongoing
	<ul style="list-style-type: none"> • Evaluate screening needs and modify the air toxics model to provide a simplified screening tool by 6/30/09. 	<ul style="list-style-type: none"> • On hold, pending completion of DATAS Phase II Report 	• 2010

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
2009 <ul style="list-style-type: none"> • Continue to monitor federal activities associated with the new Lead NAAQS. 	<ul style="list-style-type: none"> • No required activities during this period • Continuing to follow Federal developments 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 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 activity this period 	<ul style="list-style-type: none"> • 12/09
<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 conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate. 	<ul style="list-style-type: none"> • Reviewed conformity determination at 6/9 workgroup meeting and recommended revisions using more recent data • Revisions were completed in 6/09 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>
<ul style="list-style-type: none"> • Continue to provide comments and/or recommendations to the MPOs and DeIDOT on the priority of funding projects with CMAQ funds. Report status to EPAR3, as appropriate. 	<ul style="list-style-type: none"> • No activity this period 	<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 has not been release to date 	<ul style="list-style-type: none"> • Unknown
<ul style="list-style-type: none"> • Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate. 	<ul style="list-style-type: none"> • Submitted grant application for diesel retrofit project through MADC in 3/09 • Was not awarded grant 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>
<ul style="list-style-type: none"> • Develop a plan to promote smart growth oversight that encourages consideration of impact of mobile source emissions. 	<ul style="list-style-type: none"> • Reviewed and made significant comments during update of Preliminary Land Use Service (PLUS) Application 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD). 	<ul style="list-style-type: none"> • Determined path forward in 5/09 • Updated 3 part case-by-case MACT application forms in 5/09 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>
<ul style="list-style-type: none"> • Begin to collect information to determine applicability of coating used by existing miscellaneous surface coating operations that are subject to the Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH). 	<ul style="list-style-type: none"> • Completed identification of sources potentially affected under Section 14 (Misc Parts/Products) on June 15 	<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 needs identified during this period 	<ul style="list-style-type: none"> • Ongoing

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify options for reducing air toxics in the environment – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Participate in development of the rulemaking strategy for 		
	<ul style="list-style-type: none"> • Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed. 	<ul style="list-style-type: none"> • Rulemaking strategy activities have not commenced 	<ul style="list-style-type: none"> • 4Q09
	<ul style="list-style-type: none"> • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH). 	<ul style="list-style-type: none"> • Completed on 2/5/09 • The federal rule was broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) 	<ul style="list-style-type: none"> • ---
	<ul style="list-style-type: none"> • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH). 	<ul style="list-style-type: none"> • Completed on 2/5/09 • The federal rule will be broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) 	<ul style="list-style-type: none"> • ---
	<ul style="list-style-type: none"> • Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. 		
	<ul style="list-style-type: none"> • Newly proposed amendments to federal MACT and incinerator standards. 		
	<ul style="list-style-type: none"> • Federal Boiler and Process Heater MACT standard. 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Federal Commercial and Industrial Solid Waste Incinerator standard. 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Federal Hospital/Medical/Infectious Waste Incinerator standard. 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Newly proposed federal residual risk standards. 		
<ul style="list-style-type: none"> • Federal Sub N (Chrome plating facilities). 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown 	
<ul style="list-style-type: none"> • Federal Sub RRR (Secondary aluminum smelters). 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown 	
<ul style="list-style-type: none"> • Federal Sub VVV (Publicly Owned Treatment Works). 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown 	
<ul style="list-style-type: none"> • Federal Sub III (Flexible Polyurethane Foam). 	<ul style="list-style-type: none"> • No EPA proposed rule to date 	<ul style="list-style-type: none"> • Unknown 	

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	6/30/09 Status	Expected Completion	
2009 Cont	<ul style="list-style-type: none"> • Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. 		
	<ul style="list-style-type: none"> • Newly proposed federal area source standards under Section 112(k). 		
	<ul style="list-style-type: none"> • The last 9 proposed standards (diverse categories) are due to be promulgated by June 2009. 	<ul style="list-style-type: none"> • EPA proposed Federal Sub ZZZZZZ on 2/9/09; no comments submitted (No affected DE sources) • EPA proposed Federal Sub CCCCCC on 6/1/09; no activity undertaken or comments submitted (limited resources) 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • 3Q09
	<ul style="list-style-type: none"> • Follow development of final set of federal 112(k) area source standards scheduled to be promulgated in June 2009. 	<ul style="list-style-type: none"> • EPA proposed Sub ZZZZZZ on 2/9/09; no comments submitted (No affected DE sources) • EPA proposed Sub CCCCCC on 6/1/09; no activity undertaken or comments submitted (limited resources) 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • 3Q09
	<ul style="list-style-type: none"> • Follow amendment of federal Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) for existing area sources. 	<ul style="list-style-type: none"> • EPA proposed on 3/5/09; no activity undertaken or comments submitted (limited resources) 	<ul style="list-style-type: none"> • 12/09
	<ul style="list-style-type: none"> • As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector. 		
	<ul style="list-style-type: none"> • Paint stripping and miscellaneous coating at area sources (Federal Sub HHHHHH) includes auto body shops). 	<ul style="list-style-type: none"> • The federal rule will be broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) • No activity on Sections 14 or 15 during this period 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • Electric arc furnace steelmaking facilities at area sources (Federal Sub YYYYYY) from scrap steel suppliers' perspective. 	<ul style="list-style-type: none"> • Regulatory path forward revised; Sub YYYYYY requirements to be incorporated into Title V permit • No activity this period 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • Unknown

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify options for reducing air toxics in the environment – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Implement other air toxics-related communications and outreach programs. 		
	<ul style="list-style-type: none"> • Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities. 		
	<ul style="list-style-type: none"> • Claymont Coalition. • Claymont Industrial Partnership Initiative. 	<ul style="list-style-type: none"> • Participated, as needed • EPA scheduled no meeting or activities during this period 	<ul style="list-style-type: none"> • Ongoing • Unknown
	<ul style="list-style-type: none"> • Explore new outreach opportunities. 	<ul style="list-style-type: none"> • Initiated outreach activities in communities near the Port of Wilmington 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to support Engineering and Compliance’s community/industrial air toxics outreach programs, when needed. 	<ul style="list-style-type: none"> • No requests for support received this period 	<ul style="list-style-type: none"> • Ongoing
New	<ul style="list-style-type: none"> • Commence development of educational program for AQM’s “Community Air Toxics” study by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Working with MARAMA and EPA R3, develop an outreach program for the Clean Diesel Campaign. 	<ul style="list-style-type: none"> • Participated in the initial planning meeting to define the scope and element of the program 	<ul style="list-style-type: none"> • 12/09

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“New” designates activities being undertaken in 2009 that were not included in the final 2009 Air Toxics Strategic Plan.

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Identify options for reducing air toxics in the environment – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Identify grant and funding opportunities. • Facilitate the identification, preparation and submission for transportation-related grants or other funding. 	<ul style="list-style-type: none"> • Submitted American Recovery and Reinvestment Act (ARRA) grant application in 3/09 • Notified of ARRA grant approval in 4/09 • Grant funding to be used for <ul style="list-style-type: none"> • Additional school bus diesel retrofits • Smyrna Rest Area truck stop electrification • Fort Delaware alternative power • City of Wilmington heavy diesel engine retrofits 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to identify resources and funding needed to implement air toxics communications and outreach programs. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects. 	<ul style="list-style-type: none"> • Began working with Delaware Emergency Management Agency (DEMA) and the Public Service Commission (PSC) to improve the energy-related aspects of the emergency management plan 	<ul style="list-style-type: none"> • 2012

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	6/30/09 Status	Expected Completion
2009	<ul style="list-style-type: none"> • Promote the implementation of mobile source air toxics reduction initiatives/programs. <ul style="list-style-type: none"> • Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs. 	<ul style="list-style-type: none"> • Met with EPA R3 on 6/15 to plan outreach program and assess information availability • Scheduled 2 SmartWay outreaches at Blue Rock games 	<ul style="list-style-type: none"> • Ongoing • 8/13/09
	<ul style="list-style-type: none"> • Continue to support of the SmartWay Transport programs, as appropriate. <ul style="list-style-type: none"> • Issue request for proposal for the Smyrna Rest Stop Electrification project by 12/31/09. 	<ul style="list-style-type: none"> • Draft Request for Proposal being reviewed 	<ul style="list-style-type: none"> • 12/09
	<ul style="list-style-type: none"> • Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • If DATAS Phase II identifies mobile source-driven “hot spots”, initiate development of a mobile source air toxics reduction or education programs. 	<ul style="list-style-type: none"> • DATAS Phase II Report has not been release to date 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. 		
	<ul style="list-style-type: none"> • Continue to perform full compliance evaluations (FCEs) of air toxics sources in accordance with the 6/29/07 compliance monitoring plan by 9/30/09. 	<ul style="list-style-type: none"> • No FCEs performed during this period • To date, 11 of 19 FCEs of air toxics facilities in the CMP have been completed 	<ul style="list-style-type: none"> - - - • 9/09

Continued on next page

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2009 Cont		
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources – continued. 		
<ul style="list-style-type: none"> • Perform full compliance evaluations (FCEs) at area air toxics sources as follows: <ul style="list-style-type: none"> • The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2008-09 timeframe. 	<ul style="list-style-type: none"> • Two of 3 FCEs completed 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2008-09 timeframe. 	<ul style="list-style-type: none"> • One of 2 affected sources shutdown its vapor degreaser in 2008 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2008-09 timeframe. 	<ul style="list-style-type: none"> • Completed FCE at only affected source 	- - -
<ul style="list-style-type: none"> • The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2008-09 timeframe. 	<ul style="list-style-type: none"> • Completed FCEs at all affected sources 	- - -
<ul style="list-style-type: none"> • The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2008-09 timeframe. 	<ul style="list-style-type: none"> • Completed FCEs at both affected sources; however both inspections were completed prior to rule effective date 	- - -
<ul style="list-style-type: none"> • The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2008-09 timeframe. 	<ul style="list-style-type: none"> • Completed FCE of only affected source 	- - -
<ul style="list-style-type: none"> • By 9/09, perform compliance evaluations (CE) at area air toxics sources as follows: <ul style="list-style-type: none"> • 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~80 facilities. 	<ul style="list-style-type: none"> • To date, completed 19 compliance evaluations (or nearly 25% of total population) 	<ul style="list-style-type: none"> • 9/09
<ul style="list-style-type: none"> • 25% or ~40 auto body refinishing shops subject to 1124 Sect 11; total population is ~160 facilities. 	<ul style="list-style-type: none"> • To date, completed 33 consultation visits (or nearly 21of the total population) 	<ul style="list-style-type: none"> • 9/09
	<ul style="list-style-type: none"> • Provided compliance assistance information associated with 40 CFR Part 63 Subpart HHHHHH during consultation visits 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • 10% or ~60 gasoline delivery vessels for vapor tightness; total population is ~600 facilities. 	<ul style="list-style-type: none"> • Completed perceptible leak tests during delivery transfers at gasoline stations for more than 80 GDVs (or ~13% of the permitted GDVs) during this period 	<ul style="list-style-type: none"> • 9/09
	<ul style="list-style-type: none"> • Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements 	<ul style="list-style-type: none"> • Ongoing

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources – continued 		
	<ul style="list-style-type: none"> • Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities (GDFs) that are subject to vapor recovery requirements of Regulation 1124. 	<ul style="list-style-type: none"> • Tracked the vapor recovery system testing of 171 GDFs (~48% of current GDFs) 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Conduct inspections at one-third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2009; total population is ~406 facilities. 	<ul style="list-style-type: none"> • Conducted inspection at 76 regulated GDFs (~21% of regulated GDFs) 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Incorporate updated MACT and Residual Risk 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"> • Began to incorporate requirements of Subparts YYYYY and ZZZZZ during renewal of Title V permit 	<ul style="list-style-type: none"> • 12/09
	<ul style="list-style-type: none"> • Began to eliminate HON requirements during renewal of Title V permit as affected source is not operational 	<ul style="list-style-type: none"> • Began to eliminate HON requirements during renewal of Title V permit as affected source is not operational 	<ul style="list-style-type: none"> • 12/09
<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. 1130, as needed. 	<ul style="list-style-type: none"> • No applicable federal standards promulgated 	<ul style="list-style-type: none"> • Ongoing 	
<ul style="list-style-type: none"> • Complete the case-by-case MACT determination for PVC MACT (Federal Sub J) for Formosa Plastics. 	<ul style="list-style-type: none"> • Proposed Title V permit issued 	<ul style="list-style-type: none"> • 7/09 	

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2009 Cont		
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources – continued 		
<ul style="list-style-type: none"> • Incorporate area source standard requirements in air permits. 		
<ul style="list-style-type: none"> • Complete stringency determinations for 		
<ul style="list-style-type: none"> • Municipal Solid Waste Landfill (Federal Sub AAAA) requirements in the three current DSWA Title V permits. 		
<ul style="list-style-type: none"> • Assess impact of April 2006 amendment of Municipal Solid Waste Landfill (Federal Sub AAAA) on area sources requirements for the three DSWA Title V permits by 6/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 7/09
<ul style="list-style-type: none"> • Develop path forward for implementation or revision of the three DSWA Title V permits by 9/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 9/09
<ul style="list-style-type: none"> • Commence implementation of path forward by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Hazardous Waste Combustor (Federal Sub EEE) requirements in current DuPont X Station Title V permit by 6/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Electric Arc Furnace (Federal Sub YYYYY) requirements during renewal of Claymont Steel Title V permit by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Iron and Steel Foundries (Federal Sub ZZZZZ) requirements during renewal of Claymont Steel Title V permit by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Incorporated area source standard requirements during renewal or reopening of Title V permits for 		
<ul style="list-style-type: none"> • Christiana Care – Christiana to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/09. 	<ul style="list-style-type: none"> • Began to incorporate requirements of 1138 Sect 9 into a 1102 construction permit 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Claymont Steel to include the Electric Arc Furnace (Federal Sub YYYYY) requirements by 12/09. 	<ul style="list-style-type: none"> • Began to incorporate requirements of Subpart YYYYY during renewal of Title V permit 	<ul style="list-style-type: none"> • 12/09
<ul style="list-style-type: none"> • Claymont Steel to include the Iron and Steel Foundries (Federal Sub ZZZZZ) requirements by 12/09. 	<ul style="list-style-type: none"> • Began to incorporate requirements of Subpart ZZZZZ during renewal of Title V permit 	<ul style="list-style-type: none"> • 12/09

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2009 Air Toxics Strategic Plan – Mid-year *Detailed* Status

	6/30/09 Status	Expected Completion	
2009 Cont	Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
	<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources - Continued 		
	<ul style="list-style-type: none"> • Incorporate area source standard requirements in air permits. 		
	<ul style="list-style-type: none"> • Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for 		
	<ul style="list-style-type: none"> • Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 9/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Perc Dry Cleaning facilities (1138 Sect 5) and issue by 7/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Complete Compliance Assistance Activities consistent with the Compliance Assistance Oversight Plan for 		
	<ul style="list-style-type: none"> • Perc Dry Cleaning facilities (1138 Sect 5) by 9/09. 	<ul style="list-style-type: none"> • Continued to distribute the revised compliance calendar to new and existing facilities 	<ul style="list-style-type: none"> • 9/09
	<ul style="list-style-type: none"> • Finalize development and begin implementation of Compliance Assistance Program for 		
<ul style="list-style-type: none"> • Miscellaneous Surface Coating of Mobile Sources (1138 Sect 15) by 12/09. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown 	
<ul style="list-style-type: none"> • Continue to conduct anti-idling outreach programs for schools and the trucking industry and report status to EPA R3, as appropriate. 	<ul style="list-style-type: none"> • Conducted school bus anti-idling outreach on 5/30 at Woodside Farm Creamery's "Day on the Farm" event • Planned additional outreaches for <ul style="list-style-type: none"> • State Fair • Coast Day 	<ul style="list-style-type: none"> • - - - • 7/09 • 10/09 	
<ul style="list-style-type: none"> • Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting anti-idling for school buses. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing 	
<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 air toxics opportunities identified this period 	<ul style="list-style-type: none"> • Ongoing 	

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
<p style="text-align: center;">Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <p>2009 Cont</p> <ul style="list-style-type: none"> • Provide support to Small Businesses on air toxics related issues. • Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program. • Continue to support, as needed, the small business interest on the Claymont Industry Partnership Initiative. • Provide compliance assistance to auto-body shops (1138 Sect 15) and other affected small businesses (1138 Sect 14 & 15) during the initial development of the federal paint stripping and miscellaneous surface coating standard. • Continue to encourage new participation and provide assistance during the implementation of the Green Lodging program. • Continue to provide educational materials on asbestos demolition to the regulated community both directly and through to trade associations. 	<ul style="list-style-type: none"> • Providing assistance to 4 more pledged marinas during their preparation of Operating and Maintenance Plans, which are essential elements of the certification process • EPA has scheduled no activities to date • The federal rule will be broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) • No activity associated with Sections 14 or 15 during this period • No activity this period • Provided the updated asbestos educational information in English and Spanish during the period • On 6/5, distributed updated information during the Governor’s Entrepreneurial Business Conference • Contacted and arranged for the distribution of the updated information through the local and county government agencies that issue permits for renovation and demolition projects • Contacted and arranged for the distribution of the updated information through the Delaware Contractors Association • Provided updated information to the DAWM Environmental Crime Unit for distribution to contractors 	<ul style="list-style-type: none"> • Ongoing • Unknown <li style="text-align: center;">- - - • 2010 • Ongoing • Ongoing

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
<p style="text-align: center;">Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <p>2009 Cont</p> <ul style="list-style-type: none"> • Provide support to Small Businesses on air toxics related issues. • Continue to assist Air Quality Management by providing new relevant asbestos educational materials (e.g. Spanish text) and assisting with the asbestos website update. 	<ul style="list-style-type: none"> • Completed in 1/09 <ul style="list-style-type: none"> • Updated content of asbestos educational materials • Additionally published updated educational materials in Spanish • Updated information on DNREC's asbestos websites 	---
<ul style="list-style-type: none"> • Identify and implement at least one new opportunity to increase the public awareness of actions that the public can take to reduce their risk exposure to air toxics, including appropriate P2 programs. <ul style="list-style-type: none"> • DATAS Phase II Report Release. 	<ul style="list-style-type: none"> • DATAS Phase II Report has not been release to date 	<ul style="list-style-type: none"> • Unknown
<ul style="list-style-type: none"> • Improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> • Identify and assess options that would clarify the requirements in Regulation 1113 by 3/31/09. • Implement the preferred option by 10/31/09. 	<ul style="list-style-type: none"> • Completed assess of options in 1/09 • No activity; awaiting determination of the preferred option 	<ul style="list-style-type: none"> • Unknown
<ul style="list-style-type: none"> • Continue to educate the public on Delaware's open burning restrictions. 	<ul style="list-style-type: none"> • Issued press releases prior to the 2009 open burning season • Continue to educate public through one on one contacts 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Develop a public outreach associated with the implementation of the revised statewide enhanced low inspection and maintenance (I/M) program. 	<ul style="list-style-type: none"> • No activity this period; awaiting regulatory activity 	<ul style="list-style-type: none"> • Unknown
<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. 	<ul style="list-style-type: none"> • Commenced working with Air Quality Mgt on a program to reduce diesel emissions • In 2/09, notified over 200 individuals and small business entities; encouraging them to consider <ul style="list-style-type: none"> • Diesel engine upgrades, • Diesel retrofits, or • Other anti-idling alternatives 	---

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2009 Cont	<ul style="list-style-type: none"> • Coordinate Air Toxics Area Source Program for newly promulgated area source standards or revised area source standards. 	
	<ul style="list-style-type: none"> • No area source standards were promulgated during this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 3/09 and 9/09. • Coordinate the development and incorporation of new and newly revised (includes residual risk and existing source RICE standards) standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process. 	<ul style="list-style-type: none"> • No area source standards were promulgated during this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Update the Area Source Program – Implementation Plan, as needed. 	<ul style="list-style-type: none"> • Area source program revised in Jan. <ul style="list-style-type: none"> • Timing of adoption of Federal Sub HHHHHH was pushed back several month's to coordinate with VOC rules applicable to similar sources • Timing of adoption to Federal Sub WWWWWW was started earlier than planned 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses. 		
<ul style="list-style-type: none"> • Gasoline dispensing facilities at area sources (Federal Sub CCCCCC includes gasoline stations). 	<ul style="list-style-type: none"> • Regulatory schedule revised; this rule has been postponed • No regulatory activity this period 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • 2010
<ul style="list-style-type: none"> • Electric arc furnace steelmaking facilities at area sources (Federal Sub YYYYYY) from scrap steel suppliers' perspective. 	<ul style="list-style-type: none"> • Regulatory path forward revised; Sub YYYYYY requirements to be incorporated into Title V permit, instead of a rulemaking • No activity this period 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • Unknown
<ul style="list-style-type: none"> • Plating and polishing facilities at area sources (1138 Sect 10). 	<ul style="list-style-type: none"> • Participated in the Public Workshop on 6/9 • Assisting in the development and content of compliance assistance from the perspective of the small business owner • On 5/19, completed the Regulatory Advisory Service consultation for potential new business subject to air toxics regulations under Reg. 1138, including Sect 10 	<p style="text-align: center;">---</p> <ul style="list-style-type: none"> • 10/09 <p style="text-align: center;">---</p>

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
2009 Cont <ul style="list-style-type: none"> • Submit delegation package for <ul style="list-style-type: none"> • Lead Acid Battery Manufacturing Facilities (1138 Sect 11) by 3/09. • Hospital Ethylene Oxide Sterilizer Facilities (1138 Sect 9) by 6/09. 	<ul style="list-style-type: none"> • Completed on 6/9/09 • Completed on 6/18/09 	<ul style="list-style-type: none"> • --- • ---
<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"> • Assist in initial stringency determination between Federal Sub CCCCCC vs. existing Delaware regulations by 6/09. • Complete initial stringency determination between Federal Sub CCCCCC vs. existing Delaware regulations by 6/09. 	<ul style="list-style-type: none"> • AQM has not commenced determination to date • No activity this period 	<ul style="list-style-type: none"> • 3Q09 • 9/09
<ul style="list-style-type: none"> • Finalize the rulemaking strategy for <ul style="list-style-type: none"> • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 3/09. 	<ul style="list-style-type: none"> • Completed on 2/5/09 • The federal rule will be broken up into 3 separate DE rules (Reg. 1138 Sections 13, 14 and 15) 	<ul style="list-style-type: none"> • ---
<ul style="list-style-type: none"> • Area standard applicable to Gasoline Distribution Facilities (Federal Sub BBBB) by 9/09. • Area standard applicable to Gasoline Dispensing Facilities, if needed, (Federal Sub CCCCC) by 9/09. 	<ul style="list-style-type: none"> • No activity this period • No activity this period 	<ul style="list-style-type: none"> • 9/09 • 9/09
<ul style="list-style-type: none"> • Submit Start Action Notice for <ul style="list-style-type: none"> • Diesel Chip Reflash regulation by 12/31/09. • New Smoking Vehicle regulation by 12/31/09. 	<ul style="list-style-type: none"> • No activity this period • No activity this period 	<ul style="list-style-type: none"> • Unknown • Unknown
<ul style="list-style-type: none"> • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 6/09. 	<ul style="list-style-type: none"> • The federal rule will be broken up into 3 separate DE rules <ul style="list-style-type: none"> • SAN submitted on 3/25/09 for Section 13 (Paint Stripping) • SAN submitted on 3/25/09 for Section 14 (Misc Parts/Products) • No activity on SAN this period for Section 15 (Motor Vehicles) 	<ul style="list-style-type: none"> • --- • --- • 7/09
<ul style="list-style-type: none"> • Area standard applicable to Plating and Polishing Operations (Federal Sub WWWWW) by 9/09. 	<ul style="list-style-type: none"> • SAN submitted on 2/20/09 as Section 10 of Reg. 1138 	<ul style="list-style-type: none"> • ---

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
<p style="text-align: center;">Implement appropriate actions to reduce the harm from exposure to air toxics – cont.</p> <p>2009 Cont</p> <ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources - Continued • Submit Start Action Notice for <ul style="list-style-type: none"> • Area standard applicable to Gasoline Distribution Facilities (Federal Sub BBBB) by 12/09. • Area standard applicable to Gasoline Dispensing Facilities, if needed, (Federal Sub CCCCC) by 12/09. • Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 12/09, if EPA finalizes reconsideration. • Complete stringency determinations for <ul style="list-style-type: none"> • Hospital Ethylene Oxide Sterilizer Facilities (1138 Sect 9) by 1/09. • Amend Regulation 1131 to expand the low enhanced inspection and maintenance (I/M) program statewide by 12/31/09. • Adopt Delaware applicable area source standards under Section 112(k) into Regulation 38 prior to federal existing source compliance dates. <ul style="list-style-type: none"> • Area standard applicable to Hospital Ethylene Oxide Sterilizers (1138 Sect 9) by 3/09. • 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"> • No activity on SAN this period • No activity on SAN this period • No activity on SAN this period • Completed on 2/19/09 • No activity this period • Completed on 2/1/09 • Determined there was no need for outreach to support adoption of 1138 Sect 10 	<ul style="list-style-type: none"> • 12/09 • 12/09 • 12/09 • - - - • Unknown • - - - • Ongoing
<ul style="list-style-type: none"> • Implement a “Smoking Vehicle Reduction Program”. <ul style="list-style-type: none"> • Initiate baseline testing of smoking vehicles by 12/31/09. • Develop and produce outreach materials and program to support baseline testing of smoking vehicle by 12/31/09. • Continue to maintain diesel emissions opacity instrumentation training program. 	<ul style="list-style-type: none"> • No activity this period • No activity this period; awaiting regulatory activity • No activity this period 	<ul style="list-style-type: none"> • Unknown • Unknown • Ongoing

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2009 <ul style="list-style-type: none"> • Continue to audit I/M program and submit annual I/M report to EPA R3, if appropriate. 	<ul style="list-style-type: none"> • Report being developed 	<ul style="list-style-type: none"> • 7/09
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits. 		---
<ul style="list-style-type: none"> • Complete Red Clay School District bus retrofits by 3/31/09. 	<ul style="list-style-type: none"> • Completed installation of 19 school bus retrofits in 1/09 	---
<ul style="list-style-type: none"> • Complete Port of Wilmington retrofits by 12/31/09. 	<ul style="list-style-type: none"> • Program is underway 	<ul style="list-style-type: none"> • 12/09
	<ul style="list-style-type: none"> • Purchase orders released for diesel retrofits 	<ul style="list-style-type: none"> • 7/09
	<ul style="list-style-type: none"> • Request for proposal issued for heavy duty engine replacements 	<ul style="list-style-type: none"> • 9/09
	<ul style="list-style-type: none"> • Purchase orders released for engine replacements 	
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office. 	<ul style="list-style-type: none"> • Determined that there is interest in joint outreach activities; however, resources are currently over committed 	<ul style="list-style-type: none"> • 2010
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: 		---
<ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. 	<ul style="list-style-type: none"> • Completed energy-related outreaches 	---
	<ul style="list-style-type: none"> • Great Green Expo on 3/21 	
	<ul style="list-style-type: none"> • Prepared for future outreach activities 	<ul style="list-style-type: none"> • 7/09
	<ul style="list-style-type: none"> • Delaware State Fair 	<ul style="list-style-type: none"> • 8/09
	<ul style="list-style-type: none"> • Delaware Electric Cooperative's Annual Meeting 	
	<ul style="list-style-type: none"> • Coast Day 	<ul style="list-style-type: none"> • 10/09
<ul style="list-style-type: none"> • Complete the close out of the Energy Answers Program by 3/31/09. 	<ul style="list-style-type: none"> • Completed close out 	---
<ul style="list-style-type: none"> • Reassess continuation of the Energy Star Program. 	<ul style="list-style-type: none"> • Low priority; incorporated in other programs 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Sustainable Energy Utility – SEU. 	<ul style="list-style-type: none"> • Developed infrastructure 	---
	<ul style="list-style-type: none"> • Worked on initial program release 	<ul style="list-style-type: none"> • 9/09
<ul style="list-style-type: none"> • Home Performance. 	<ul style="list-style-type: none"> • Continued to implement training and certification program for Energy Auditors 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Training provide 3/30 to 4/2 	
	<ul style="list-style-type: none"> • Training provided 6/8 to 6/11 	

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	6/30/09 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.		
2009 Cont	<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: 	
<ul style="list-style-type: none"> • Utility Accounting 	<ul style="list-style-type: none"> • Identified contractor in 5/09 to oversee implementation due to limited resources 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Energy Saving Performance Contracting 	<ul style="list-style-type: none"> • Implementation assigned to Office of Management and Budget (OMB) 	---
<ul style="list-style-type: none"> • Electricity Procurement 	<ul style="list-style-type: none"> • No activity; in the third year of 3-year contract 	<ul style="list-style-type: none"> • 12/31/09
<ul style="list-style-type: none"> • Energy Executive Order 	<ul style="list-style-type: none"> • Submitted the Energy Plan to the Governor's Office on 3/26 	<ul style="list-style-type: none"> • On hold
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: 		
<ul style="list-style-type: none"> • Green Energy Program 	<ul style="list-style-type: none"> • Awarded 73 grants for \$3,480,000 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Photovoltaic Electric 	<ul style="list-style-type: none"> • Awarded 4 grants for \$11,500 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Photovoltaic Hot Water 	<ul style="list-style-type: none"> • Awarded 27 grants for \$71,400 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Geothermal 	<ul style="list-style-type: none"> • Awarded 1 grants for \$6,000 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Wind 	<ul style="list-style-type: none"> • No grants awarded this period 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Technology Demonstration/Research & Development Grant Program 	<ul style="list-style-type: none"> • Continued to monitor the achievement of goals 	<ul style="list-style-type: none"> • Ongoing
<ul style="list-style-type: none"> • Renewable Portfolio Goals 		
<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: 		
<ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels 	<ul style="list-style-type: none"> • Showcased the alternative fuel vehicle at the Great Green Expo on 3/21 	<ul style="list-style-type: none"> • Ongoing

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2009 Air Toxics Strategic Plan – Mid-year Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics – cont.	6/30/09 Status	Expected Completion
2009 Cont	<ul style="list-style-type: none"> • Continue to provide air toxics-related support to State through. . . • Reviewing of air permits. 	<ul style="list-style-type: none"> • Reviewed and commented on a construction permit for a new area source hospital ETO sterilizer in May 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Providing current regulatory interpretations. 	<ul style="list-style-type: none"> • Provided technical information on MACT hammer rule 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Advising on likely future trends and actions. 	<ul style="list-style-type: none"> • Continued to provide Section on developments concerning the “Boiler MACT” and 112(j) implications 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to provide technical support, as needed, to . . . • Engineering & Compliance Branch in their implementation of the “Boiler MACT” case-by-case MACT determinations. 	<ul style="list-style-type: none"> • Updated Delaware’s MACT Hammer Application Forms for use by affected boiler or process heater sources 	<ul style="list-style-type: none"> • Ongoing

2010 activities that have been implemented during 2009 are provided on next page

2009 Air Toxics Strategic Plan – Mid-year Detailed Status

Implement appropriate actions to reduce the harm from exposure to air toxics		6/30/09 Status	Expected Completion
2010	<ul style="list-style-type: none"> • Implement Air Toxics Area Source Program 		
2010	<ul style="list-style-type: none"> • Complete stringency determinations for 		
2010	<ul style="list-style-type: none"> • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 1Q/10. 	<ul style="list-style-type: none"> • Determination made for the initial draft on 5/28/09 for Section 13 (Paint Stripping) • Determination made for the initial draft on 5/28/09 for Section 14 (Misc Parts/Products) • No activity this period on Section 15 (Motor Vehicles) 	<ul style="list-style-type: none"> • 2Q/10 • 2Q/10 • 3Q/10
2010	<ul style="list-style-type: none"> • Area standard applicable to Plating and Polishing Operations (Federal Sub WWWWWW) by 1Q/10. 	<ul style="list-style-type: none"> • Determination made for the initial draft of Section 10 on 4/8/09 	<ul style="list-style-type: none"> • 10/09
2010	<ul style="list-style-type: none"> • Finalize the adoption of area source standards for 		
2010	<ul style="list-style-type: none"> • Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 2Q/10. 	<ul style="list-style-type: none"> • Initial draft language completed on 5/13/09 for Section 13 (Paint Stripping) • Initial draft language completed on 5/28/09 for Section 14 (Misc Parts/Products) • No activity this period on Section 15 (Motor Vehicles) 	<ul style="list-style-type: none"> • 2Q/10 • 2Q/10 • 3Q/10
2010	<ul style="list-style-type: none"> • Plating and Polishing Operations (Federal Sub WWWWWW) by 2Q/10. 	<ul style="list-style-type: none"> • Public workshop conducted on 6/9/09 • Public hearing scheduled for 8/25/09 	<ul style="list-style-type: none"> • 11/11/09

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	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	6/30/09 Status	Expected Completion
2009	<ul style="list-style-type: none"> • Monitor, pending network review to meet changing resources, for Carbonyls and metals at one (1) air toxic monitoring station and VOCs at two (2) air toxic monitoring stations and report status of monitoring activities to EPA R3, as appropriate. . 	<ul style="list-style-type: none"> • Monitoring is progressing as scheduled 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics. 	<ul style="list-style-type: none"> • On hold pending identification of “target sources” 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Complete evaluation of conversions made under the voluntary diesel chip reflash program. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Continue to look for and track, if found, appropriate “air toxics indicators” to gauge progress in reducing air toxics. 	<ul style="list-style-type: none"> • No appropriate indicator found in this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • By September, complete a self-assessment of major stationary source air toxics reduction and outreach programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs. 	<ul style="list-style-type: none"> • Initiated discussion for additional reduction of multi-pollutants (incl. Hg) from electrical generation units under 25MW 	<ul style="list-style-type: none"> • 2010
	<ul style="list-style-type: none"> • By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs. 		
	<ul style="list-style-type: none"> • School and trucking industry anti-idling outreach programs. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
	<ul style="list-style-type: none"> • Anti-idling compliance and enforcement program. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown
<ul style="list-style-type: none"> • Voluntary diesel chip reflash conversion. 	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Unknown 	
<ul style="list-style-type: none"> • Mobile source air toxics reduction or education programs addressing hot spots. 	<ul style="list-style-type: none"> • DATAS Phase II Report has not been release to date 	<ul style="list-style-type: none"> • Unknown 	

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	Air toxics resource development	6/30/09 Status	Expected Completion
2009	<ul style="list-style-type: none"> • Evaluate available training and encourage broader participation in risk-related training. <ul style="list-style-type: none"> • Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate. 	<ul style="list-style-type: none"> • On Hold, as travel restrictions currently limit participation • Arranged viewing of “Air Toxic Webinars” in Conference Room on 4/30 and 6/25 	<ul style="list-style-type: none"> • Unknown • Ongoing
	<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"> • Completed review of a New Jersey study addressing exposure to air toxics and other air pollutants • Co-authored technical paper on New Jersey personal exposure results published in the May 2009 “Atmospheric Environment” 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>
	<ul style="list-style-type: none"> • Evaluate the need for air toxics-related training for staff and present, as needed. 	<ul style="list-style-type: none"> • Attended “Air Toxic Webinars” at Grantham on 4/30 and 6/25 	<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"> • No promulgated standards warranted presentation 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Develop and implement mechanisms to improve air toxics communications. <ul style="list-style-type: none"> • Continue to implement newly found mechanisms to improve air toxics communications between branches. 	<ul style="list-style-type: none"> • No new mechanism found this period 	<ul style="list-style-type: none"> • Ongoing
	<ul style="list-style-type: none"> • Continue to promote open communications between DNREC and small businesses on air toxics issues. 	<ul style="list-style-type: none"> • Distributed air toxics and other educational information at the 6/05/09 Governor’s Entrepreneurial Business Conference • Coordinating the Regulatory Advisory Service consultation for potential new business subject to air toxics regulations under Reg. 1138 • Working with Air Quality Mgt to encourage individuals and small business to reduce diesel emission by <ul style="list-style-type: none"> • Diesel engine upgrades • Diesel retrofits • Other anti-idling alternatives (i.e. electrification) 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing • Ongoing