

**Delaware
Division of
Air Quality**

2010

Air Toxics Strategic Plan

Year End Status
(January through December 2010)

Detailed Report

Delaware
Division of Air Quality
2010 Air Toxics Strategic Plan

The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Division of Air Quality (DAQ) and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2010 - 2014 ATSP, finalized on January 6, 2010, is organized within the following components.

- **Implement an on-going program to address the risks from exposure to air toxics**
- **Build a 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 DAQ air toxics resources**

ACRONYMS

AIRS-AQS	EPA's Aerometric Information Retrieval and Air Quality Systems
ASC	Area Source Compliance Group
ATSP	Air Toxics Strategic Plan
CAA	Clean Air Act
CFR	Code of Federal Regulations
CMAQ	Congestion Mitigation and Air Quality Improvement Program
DAQ	Division of Air Quality
DATAS	Delaware Air Toxics Assessment Study
DE	Delaware
DeIDOT	Delaware Department of Transportation
DEO	Delaware Energy Office
DNREC	Delaware Department of Natural Resources and Environmental Control
DPH	Delaware Division of Public Health
DSWA	Delaware Solid Waste Authority
E&C	DAQ's Engineering & Compliance Branch
E-DATAS	Enhanced Delaware Air Toxics Assessment Study
EPA	U. S. Environmental Protection Agency
EPA R3	U. S. Environmental Protection Agency Region 3
GACT	Generally Achievable Control Technology
HAPs	Hazardous Air Pollutants, as defined in Section 112(b) of the 1990 Amendments to the Clean Air Act
MACT	Maximum Achievable Control Technology
MARAMA	Mid-Atlantic Regional Air Management Association
MOVES	EPA's Motor Vehicle Emission Simulator model
NAAQS	National Ambient Air Quality Standard
NACAA	National Association of Clean Air Agencies
OMB	Delaware Office of Management and Budget
OTC	Ozone Transport Commission
Sect	Section
SIP	State Implementation Plan
Sub	Subpart
VOCs	Volatile Organic Compounds
WILMAPCO	Wilmington Area Planning Council

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Implement an ongoing program to address the risks from exposure to air toxic		12/31/10 Status	Expected Completion
2010	1. Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.		
	a. Review status and complete year-end status report on the 2009 individual Strategic Plans.	• Completed on 2/16/10	---
	b. Track implementation and report year-end-status of the 2009 Air Toxics Strategic Plan by 3/31/10.	• Completed on 3/9/10	---
	c. Review status and complete mid-year status report on the 2010 individual Strategic Plans.	• Completed on 8/12/10	---
	d. Track implementation and report mid-year status on the 2010 Air Toxics Strategic Plan by 9/30/10.	• Completed on 9/1/10	---
	e. Updating of the Air Toxics Strategic Plan for 2011-2015		
	i. Review and revise, if needed, air toxics area source program and timing, as part of the 2011 Air Toxics Strategic Plan by 10/10.	• Completed on 12/15/10	---
	ii. Coordinate development of the 2011 Air Toxics Strategic Plan (ATSP) including incorporation of DATAS results.	• DATAS Phase II Report was not released	---
	iii. Update individual Strategic Plans for 2011-2015.	• Completed on 12/15/10	---
	iv. Update and finalize 2011 Air Toxics Strategic Plan for years 2011 to 2015 by 12/31/10.	• Completed on 12/28/10	---
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.	• Continued to actively participate on the NACAA Air Toxics Committee	• Ongoing
	3. 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.		
	a. Rulemaking strategy committee associated with gasoline dispensing facilities subject to Federal Sub CCCCCC, if appropriate.	• Regulatory development has been put on hold pending finalization of EPA's proposed changes to Sub CCCCCC	• 2011

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	12/31/10 Status	Expected Completion	
2010 Cont	<p>4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware’s energy program.</p>	<ul style="list-style-type: none"> • Continued participation in . . . • Clean State Program (Alt. Fuels) • National Association of State Energy Officials (NASEO) • Delaware Tech Applied Energy Education Advisory Committee 	<ul style="list-style-type: none"> • Ongoing
	<p>5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.</p>	<ul style="list-style-type: none"> • Identified need for compliance assistance tools to assist affected sources in meeting the notification and reporting requirements of Section 13, 14, 15, and 16 of Reg. 1138 • Developed and published needed forms along with instructions for completion <ul style="list-style-type: none"> • Initial Notification • Notification of Compliance Status • Annual Notifications of Changes Report • Participated on DNREC-wide regulatory development task force 	<p>---</p> <p>---</p> <ul style="list-style-type: none"> • 6/30/11
	<p>6. Continue to evaluate and realign Engineering and Compliance’s assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.</p>	<ul style="list-style-type: none"> • Filled two vacant engineer positions in Dec. 2010 • Commenced review for the redistribution of air toxics assignments 	<p>---</p> <ul style="list-style-type: none"> • 1Q/11
	<p>7. Review and revise, if needed, air toxics area source activities and timing, as part of the 2011 Air Toxics Strategic Plan by 12/10.</p>	<ul style="list-style-type: none"> • Completed on 12/10/10 	<p>---</p>
	<p>8. Continue to evaluate and realign Area Source Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.</p>	<ul style="list-style-type: none"> • Provided training and expanded cross-tasking assignments between auto body, dry cleaning and asbestos programs 	<ul style="list-style-type: none"> • Ongoing

2010 Air Toxics Strategic Plan – Year End Detailed Status

	Build greater understanding of ambient air toxics environment	12/31/10 Status	Expected Completion
2010	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	a. 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. .	• Sampling is continuing as scheduled	• Ongoing
	b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.	• VOCs and Carbonyls are being submitted. No metals data is available from the laboratory.	• Ongoing
	c. Continue to collaborate with University of Delaware on air toxics research and special projects.	• Ongoing as needed	• Ongoing
	d. Continue Upper Air Profiler project, which will provide meteorological data to National Oceanic & Atmospheric Administration (NOAA) repository for potential use in air toxics modeling, etc.	• Project is ongoing. Waiting for final equipment to convey to DNREC	• Ongoing
	e. Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics” under EPA air toxics grant.	• Sampling is continuing as scheduled.	• Ongoing
	f. Issue final “Community Air Toxics” report.	• Will not be issued until the sampling is complete.	• 2012
	g. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.	• No activity this period	• Ongoing
	h. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.	• The maintenance contract has been renewed through March 2011	• Ongoing
	i. Undertake new or special monitoring needs that may surface.	• No activity this period.	• Ongoing
	2. Provide air toxics modeled results (HAP concentrations) to support . . .		
	a. Assessment of air toxics health impacts in communities.	• No modeling needs identified	- - -
	b. Improve the emissions inventory/modeling results.	• Identified and resolved an anomaly in the individual exposure results generated by the emissions process module for air toxics emissions associated with airports	- - -
NEW	3. Analyze ultra-fine particle data collected by DNREC.	• Completed modeling and presented preliminary ultra-fine particle findings in 11/10	• In 2011 ATSP
NEW	4. Provide mercury emissions modeling support to Watershed Assessment Section for use in their development of the Total Maximum Daily Load SIP.	• Completed modeling and presented preliminary statewide mercury emissions findings in 8/10	• 2011

NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End Detailed Status

	Identify potential harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010	1. Characterize the cancer and non-cancer risks associated with 2003 modeled results.		
	a. 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.	• DATAS Phase II Report has not been release to date	---
	b. Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public's health.	• DATAS Phase II Report has not been released to date	---
	c. Initiate modeled assessment of the impact of mobile source air toxics in comparison to stationary and area source air toxics, following DATAS Phase II report.	• DATAS Phase II Report was not released	---
	d. Coordinate Engineering and Compliance responses to DATAS results with other DAQ branches to ensure consistent responses.	• DATAS Phase II Report has not been release to date	---
	2. Characterize the cancer and non-cancer risks associated with 2005 National Air Toxics Assessment (NATA).		
	a. Monitor federal activities associated with the pending release of the Federal 2005 NATA and communicate any findings or inquiries impacting Delaware.	• Reviewed pre-released NATA results and communicated findings in 6/10	---
	b. Evaluate the available pre-release risk information applicable to Delaware for possible anomalies or problems in the input information.	• Identified an anomalies regarding 1,1,2 trichloroethane; notified EPA for correction to emissions inventory before finalizing results	---
	c. Communicate findings from the initial or published 2005 NATA, if warranted.	• No activity this period as the NATA release delayed until 2011	• In 2011 ATSP
	3. Improve air toxics characterization though refined exposure assessment methods, including Sub-Grid Scale Variability (SGV).	• Continued to refine the modeled individual exposure to air toxics	• Ongoing
	4. Characterize the cancer and non-cancer risks through future air toxics assessment programs.		
	a. Coordinate ongoing risk assessment support and guidance of DPH for air toxics risk reduction activities.	• Coordinated the reassessment of risk by DPH following revision of the DATAS modeled concentrations	• Ongoing
	b. Coordinate risk assessments needs and results for DATAS Phase II with DPH.	• Receive risk assessment results in May 2010; the results were based on the latest DATAS modeled exposure values	---
	c. Complete DATAS Phase II modeling report.	• No activity this period	---

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	Identify potential harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010 Cont	5. Provide modeling support to Air Quality’s Community Air Toxics Study (CATS), pending the completion of the CATS.	• No activity this period	• Ongoing
	6. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.	• Modeled potential exposure for site specific emissions to support the development of operating permit	• Ongoing
	7. Provide modeling support for DNREC’s interest in a proposed multimedia total exposure study, pending the funding of the study.	• No activity this period	• Unknown
	8. Analyze monitoring data from completed special monitoring projects, i.e. DAQ/University of Delaware, and refine air toxics model, if appropriate.		
	a. Continue analysis of data collected from E-DATAS projects.	• No activity this period	• Ongoing
	b. Begin source apportionment analysis focusing on the air toxics of concern.	• No activity this period	• Ongoing

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	Gather information related to air toxics sources	12/31/10 Status	Expected Completion
2010	1. Submit 2008 National Emissions Inventory for HAPs by 6/1/10.	<ul style="list-style-type: none"> • Submitted point source HAPs data by 6/1/10, as resources were focused on submittal of the 2007 SIP Modeling Inventory • Submitted area source and off-road mobile source HAPs data by 11/1/10 • Submitted on-road mobile source HAP input files by 11/1/10 • Completed calculation of on-road mobile HAPs emissions as part of the MOVES model work in 12/10; final review of modeled results underway 	<p>---</p> <p>---</p> <p>---</p> <ul style="list-style-type: none"> • 2011
	2. Provide emissions inventory support to the air toxics education and reduction programs, as required.	<ul style="list-style-type: none"> • No requests for support received during the period. 	<ul style="list-style-type: none"> • Ongoing
	3. 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"> • Reviewed inventory inputs and assumption related to air toxics emissions associated with airports 	---
	4. Commence working on source apportionment with the DAQ modelers associated with the DATAS Phase II results.	<ul style="list-style-type: none"> • No activity this period; activity is currently on hold 	---
	5. By 12/10, identify and enter into EPA's Air Facility System (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 new affected sources identified 	<ul style="list-style-type: none"> • Ongoing
	6. By 12/10, identify and enter into EPA's Air Facility System (AFS), via Delaware Environmental Navigator (DEN), all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards.	<ul style="list-style-type: none"> • Continued to identify new and previously unknown <ul style="list-style-type: none"> • Dry cleaners • Auto body shops • Gasoline delivery vessels • Continued to experience problems with DEN's data entry systems that prevents inclusion into AFS 	<ul style="list-style-type: none"> • Ongoing

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	Gather information related to air toxics sources	12/31/10 Status	Expected Completion
2010 Cont	7. Determine if venting from ships to be lightered reduces the VOC and air toxics emission reductions achieved by the lightering services to a level below the maximum allowable uncontrolled lightering volume.		
	a. Commence annual audit of frequency and duration of venting from the ships to be lightered during controlled lightering operations by 2/10.	<ul style="list-style-type: none"> • Engineering & Compliance incorporated this information into the Semi-Annual Reporting requirements 	- - -
	b. Develop path forward if VOC and air toxics emissions reductions fall below the maximum allowable uncontrolled lightering volume by 12/10.	<ul style="list-style-type: none"> • No activity this period 	- - -
	8. Submit Underground Storage Tanks (UST) Semiannual Activities Reports to the EPA by April 30 and October 31, 2010.	<ul style="list-style-type: none"> • Submitted both UST Semiannual Activities Reports 	- - -
	9. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.	<ul style="list-style-type: none"> • Staff assisted in identification of sources potentially subject to <ul style="list-style-type: none"> • Sub 7As (Asphalt) • Sub 7Ds (Prepared Feeds) 	• Ongoing
	10. 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"> • Activity is currently on hold pending identification of the key air toxics of concern, the overall level of risk, and geographic sensitivity 	• In 2011 ATSP

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	12/31/10 Status	Expected Completion	
2010	Identify options for reducing air toxics in the environment		
	1. Continue to monitor federal activities associated with the new Lead NAAQS and communicate any EPA proposed actions/decisions impacting Delaware.	<ul style="list-style-type: none"> • Continued to follow; no significant activities warranted communication 	<ul style="list-style-type: none"> • In 2011 ATSP
	2. Maintain open communications with Chamber of Shipping of America and the U.S. Coast Guard 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"> • Discussed potential impact of USCG 10/21/10 proposed changes to their lightering regulations on both the lightering regulated community and potential impact on Reg. 1124 Section 46 • Continued follow up is needed in 2011 	<ul style="list-style-type: none"> • In 2011 ATSP
	3. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.		
	a. Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Participated and worked to improve flow of information at <ul style="list-style-type: none"> • Monthly WILMAPCO meetings for New Castle County • Workgroup meetings for Kent County according to an established schedule • Biannual combined workgroup meetings with Kent, New Castle, and Sussex Counties 	<ul style="list-style-type: none"> • Ongoing
	b. Continue to provide comments and/or recommendations to the Metropolitan Planning Organizations (MPOs) and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Provided recommendations and comments on funding projects during this period 	<ul style="list-style-type: none"> • Ongoing
	c. Schedule presentation of the mobile source air toxics results, if appropriate, 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 	- - -
	4. 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"> • Continued to participate and maintain open communication on both projects 	<ul style="list-style-type: none"> • Ongoing
5. Continue working with MARAMA and EPA R3 on a regional outreach program for the Clean Diesel Campaign.	<ul style="list-style-type: none"> • Met with EPA on 4/8 and 6/23 on developing a general regional concept and path forward • Met with EPA, Clear Air Council, and Delaware Partners on 9/27, 10/26 and 11/29 on developing a Delaware-specific outreach program concept and to establish a path forward 	- - - <ul style="list-style-type: none"> • In 2011 ATSP 	

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	12/31/10 Status	Expected Completion	
2010 Cont	6. Promote smart growth oversight that encourages consideration of impact of mobile source emissions.	<ul style="list-style-type: none"> • Continued to review and comment on Preliminary Land Use Service (PLUS) applications 	<ul style="list-style-type: none"> • Ongoing
	7. 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.		
	a. Newly proposed amendments to federal MACT and incinerator standards.		
	i. Boiler and Process Heater MACT standard.	<ul style="list-style-type: none"> • Completed review of EPA’s 6/4/10 proposed adoption of an “area source boiler rule” (Sub 6Js) and communicated internally; no comments were submitted to EPA • Completed review of EPA’s 6/4/10 proposed adoption of an “boiler MACT rule” (Sub 5Ds); no comments were submitted to EPA 	<p>---</p> <p>---</p>
	ii. Federal Commercial and Industrial Solid Waste Incinerator (CISWI) standard.	<ul style="list-style-type: none"> • Completed review of EPA’s 6/4/10 proposed changes to 40 CFR Part 60 Sub 4Cs; no comments were submitted to EPA • Completed review and update of CISWI source inventory – no affected sources identified 	<p>---</p> <p>---</p>
	b. Newly proposed federal residual risk standards.		
	i. Federal Sub N (Chrome plating facilities).	<ul style="list-style-type: none"> • Completed review of EPA’s 11/30/10 proposed residual risk standard for chromium electroplating facilities (Sub N) and communicated internally; no comments were submitted to EPA 	<p>---</p>
	ii. 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
	iii. 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
	iv. 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
c. Newly proposed federal area source standards under Section 112(k).	<ul style="list-style-type: none"> • Commenced review of proposed Sub 6Js (Area source boiler rule); no comments were submitted to EPA 	<p>---</p>	

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	12/31/10 Status	Expected Completion	
2010 Cont	Identify options for reducing air toxics in the environment 8. 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.		
	a. Follow amendment of federal Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) for existing area sources.	<ul style="list-style-type: none"> • EPA issued final rule on 3/3/10 • Planned adoption of area source standard incorporated into the 2011 ATSP 	<ul style="list-style-type: none"> • 2013
	b. Federal Industrial, Commercial and Institutional Boiler standard for area sources.	<ul style="list-style-type: none"> • Completed review of EPA’s 6/4 proposed changes to the “Boiler MACT” (Sub 5Ds) 	<ul style="list-style-type: none"> • In 2011 ATSP
	c. Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).	<ul style="list-style-type: none"> • No activity this period 	- - -
	9. Participate in development of the rulemaking strategy for		
	a. Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.	<ul style="list-style-type: none"> • Rulemaking strategy activities have been put on hold by DAQ pending finalization of recent federal proposal to modify Sub CCCCCC 	<ul style="list-style-type: none"> • In 2011 ATSP
	10. Implement other air toxics-related communications and outreach programs.		
	a. Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.		
	i. Claymont Coalition.	<ul style="list-style-type: none"> • Maintained open communication channels regarding air toxics and other community issues 	<ul style="list-style-type: none"> • In 2011 ATSP
	ii. Explore new outreach opportunities.	<ul style="list-style-type: none"> • No new air toxics community outreach needs were requested or surfaced during this period 	- - -
b. Continue to support Engineering and Compliance’s community/industrial air toxics outreach programs.	<ul style="list-style-type: none"> • Provided routine support to E&C staff • No major requests for support were received this period 	<ul style="list-style-type: none"> • In 2011 ATSP 	

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	Identify options for reducing air toxics in the environment	12/31/10 Status	Expected Completion
2010 Cont	11. Identify grant and funding opportunities.		
	a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.	<ul style="list-style-type: none"> • Submitted 2010 Diesel Emissions Reduction Act (DERA) grant application • Awarded 2010 DERA grant in 11/10 	<p>---</p> <ul style="list-style-type: none"> • Ongoing
	b. 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"> • Continued to exchange information and work 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"> • Ongoing
	12. Evaluate the need for the development of additional Source Category Permits to address air toxics issues.	<ul style="list-style-type: none"> • No opportunities were identified during the period 	<ul style="list-style-type: none"> • Ongoing
NEW	13. Explore for new audiences to expand the anti-idling outreach program.	<ul style="list-style-type: none"> • Met with Chesapeake Bay Council of Girl Scouts (GSA) on 10/15 to discuss incorporation of anti-idling and other air quality programs into the GSA's Leadership Journey "Breathe" • Met with the leaders and scouts of a GSA Troop on 12/3 to educate them on our air program in general and to demonstrate how anti-idling or related air programs could be incorporated into GSA's Service Project requirements 	<ul style="list-style-type: none"> • In 2011 ATSP

NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

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	12/31/10 Status	Expected Completion	
2010	Implement appropriate actions to reduce the harm from exposure to air toxics		
	1. Insure continued or improved compliance of stationary sources.		
	a. Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.	<ul style="list-style-type: none"> • Two (2) of the major air toxics sources were permanently shut down prior to 2010 • Conducted 6 FCEs of the remaining 12 major air toxics sources during 2010 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 9/2011
	b. Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:		
	i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • Conducted FCEs at 2 of 3 facilities during 2010 	<ul style="list-style-type: none"> • 9/11
	ii. The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • No FCEs conducted this period 	<ul style="list-style-type: none"> • 9/11
	iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • No FCEs conducted this period 	<ul style="list-style-type: none"> • 9/11
	iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • Conducted FCEs at all 3 landfills during 2010 	<p style="text-align: center;">- - -</p>
	v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • No FCEs conducted this period 	<ul style="list-style-type: none"> • 9/11
	vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • Performed FCE at the 1 facility during 2010 	<p style="text-align: center;">- - -</p>
vii. The two (2) plating and polishing facility, subject to 1138 Sect 10, covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • No FCEs conducted this period 	<ul style="list-style-type: none"> • 9/11 	
viii. The one (1) source, subject to electric arc furnace (Federal Sub YYYYYY), covered during the 2010-11 timeframe.	<ul style="list-style-type: none"> • No FCEs conducted this period 	<ul style="list-style-type: none"> • 9/11 	

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Implement appropriate actions to reduce the harm from exposure to air toxics		12/31/10 Status	Expected Completion
2010 Cont	1. Insure continued or improved compliance of stationary sources.		
	c. By 9/10, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; current population is ~72 facilities.	<ul style="list-style-type: none"> • Completed 24 compliance evaluations (or nearly 34% of current population) during this period 	<ul style="list-style-type: none"> • In 2011 ATSP
	ii. 25% or ~40 auto body refinishing shops subject to 1124 Sect 11; current population is ~160 facilities.	<ul style="list-style-type: none"> • Completed 59 compliance evaluations (or nearly 37% of current population) during this period 	<ul style="list-style-type: none"> • In 2011 ATSP
	iii. 10% or ~60 gasoline delivery vessels (GDVs); current population is ~600 GDVs.	<ul style="list-style-type: none"> • Completed perceptible leak tests during delivery transfers at gasoline stations on 114 GDVs (or ~19% of the permitted GDVs) during this period • Continued to provide compliance assistance to GDV fleet owners in meeting annual testing and permitting requirements 	<ul style="list-style-type: none"> • In 2011 ATSP • Ongoing
	d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities (GDFs) that are subject to vapor balancing requirements of Regulation 1124.	<ul style="list-style-type: none"> • Tracked the vapor recovery system testing of 357 GDFs (>99% of current GDFs) 	<ul style="list-style-type: none"> • Ongoing
	e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities (GDFs), subject to Regulation 1124, during 2010; current population is ~359 facilities.	<ul style="list-style-type: none"> • Conducted inspection at 123 regulated GDFs (~34% of regulated GDFs) 	<ul style="list-style-type: none"> • Ongoing
	f. Incorporate updated MACT and Residual Risk requirements in air permits.		
	i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.	<ul style="list-style-type: none"> • No permits required renewal during this period 	<ul style="list-style-type: none"> • Ongoing
	ii. Incorporated area source standard requirements during renewal or reopening of Title V permits for		
	1. Claymont Steel to include the Electric Arc Furnace (Federal Sub YYYYYY) requirements by 7/10.	<ul style="list-style-type: none"> • Permit language being prepared 	<ul style="list-style-type: none"> • 3/11
	iii. 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"> • No permits required reopening during this period 	<ul style="list-style-type: none"> • Ongoing

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2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion	
2010 Cont	Implement appropriate actions to reduce the harm from exposure to air toxics		
	1. Insure continued or improved compliance of stationary sources.		
	g. Continue discussions for additional reduction of multi-pollutants (incl. Hg) from EGUs under 25MW.	<ul style="list-style-type: none"> • Pending response from the site 	- - -
	h. Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).	<ul style="list-style-type: none"> • No activity this period 	- - -
	i. Continue to incorporate Area Source Standard requirements into new or existing natural minor or synthetic minor source permits for		
	i. Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 9/10.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 6/11
	ii. St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/10.	<ul style="list-style-type: none"> • Reassigned source during the period 	<ul style="list-style-type: none"> • 6/11
	iii. Perc Dry Cleaning facilities (1138 Sect 5) and issue by 9/10.	<ul style="list-style-type: none"> • Issued permits for 3 new sources during this period • Continued to qualify and update perc dry cleaning source inventory 	- - - - - -
	j. Complete Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for		
i. Sources subject to the Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15) by 4Q/10.	<ul style="list-style-type: none"> • Actively participated in <ul style="list-style-type: none"> • The 3 EPA/DNREC “Collision Repair Training Workshops” in January 2010 • The 3 DNREC public workshops on the adoption of Section 15 in February 2010 • Continued to provide compliance assistance <ul style="list-style-type: none"> • In response to questions from the regulated community • As a part of the ongoing auto-body source identification program 	- - - <ul style="list-style-type: none"> • In 2011 ATSP 	

Continued on next page

2010 Air Toxics Strategic Plan – Year End Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010 Cont	2. Promote the implementation of mobile source air toxics reduction initiatives/programs.		
	a. Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.	<ul style="list-style-type: none"> • Conducted public outreach on 6/9 at the New Castle County “Platinum Picnic” (500 attended) • Conducted public outreach on 6/30 at the Wilmington Blue Rock game (4500 attended) • Conducted public outreach on 10/3 at Delaware Coast Day (est. 10,000 attended) 	• In 2011 ATSP
	b. Continue to support of the SmartWay Transport programs, as appropriate.		
	i. Complete Smyrna Rest Stop Electrification project.	<ul style="list-style-type: none"> • Contracts signed and purchase orders issued • Commenced installation in 12/10 • Complete installation 	<p>---</p> <p>---</p> <ul style="list-style-type: none"> • 1Q/11
	ii. Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.	<ul style="list-style-type: none"> • Monitored the installation of the truck electrification project at Delaware’s I-95 Rest Area • Conducted diesel anti-idling outreach at the Delaware State Fair 7/ to 7/31/10 	<ul style="list-style-type: none"> • 2/11 <p>---</p>
NEW	c. If DATAS Phase II identifies mobile source-driven “hot spots”, initiate development of a mobile source air toxics reduction or education programs.	• DATAS Phase II Report was not released	---
	d. Complete Port of Wilmington engine replacement project.	<ul style="list-style-type: none"> • Completed 2 engine replacement by 10/10 • Awaiting installation of 2 other engine replacements 	<p>---</p> <ul style="list-style-type: none"> • In 2011

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NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion
Implement appropriate actions to reduce the harm from exposure to air toxics		
2010 Cont	3. Implement other air toxics-related communications and outreach programs.	
a. Continue to conduct outreach programs for schools and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Reevaluating content and focus of the current anti-idling outreach program for schools • Conducted public outreach on 7/22 thru 7/31 at the Delaware State Fair • Conducted public outreach on 10/3 at Delaware Coast Day (est. 10,000 attended) 	<ul style="list-style-type: none"> • In 2011 ATSP <li style="text-align: center;">--- <li style="text-align: center;">---
b. Assess need for an educational program for DAQ’s “Community Air Toxics” study by 3/10.	• Educational program not needed at this time	• 2011
c. Complete development of educational materials for DAQ’s “Community Air Toxics” study and begin implementation, if needed.	• Educational program not needed at this time	• 2012
d. Continue to improve compliance with Delaware’s open burning requirements.		
i. Evaluate and improve, if needed, Delaware’s open burning website and education materials. Currently, On hold due to funding constraints	<ul style="list-style-type: none"> • Changes to the open burning website on hold pending planned revisions of the DAQ website format • All changes to education materials are on hold due to lack of funding 	<ul style="list-style-type: none"> • In 2011 ATSP • Unknown
ii. Continue to educate the public on Delaware’s open burning restrictions.	<ul style="list-style-type: none"> • Provided guidance, outreach and educational material to the poultry industry during March and April on eradication of chicken house that collapsed under heavy winter snow falls • Provided guidance and education materials to the public and other agencies and organizations 	<ul style="list-style-type: none"> <li style="text-align: center;">--- • In 2011 ATSP

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2010 Air Toxics Strategic Plan – Year End *Detailed* Status

	12/31/10 Status	Expected Completion	
2010 Cont	Implement appropriate actions to reduce the harm from exposure to air toxics		
	4. Provide support to small businesses on air toxics related issues.		
	a. Provide compliance assistance to electroplating facilities, where needed, during the initial implementation of the Plating and Polishing standard (1138 Sect 10).	<ul style="list-style-type: none"> • Completed appraisal for needs for additional compliance assistance • No additional assistance was needed 	- - -
	b. Provide compliance assistance to auto-body shops and other affected small businesses during the regulatory development and initial implementation of the Motor Vehicle and Mobile Equipment (1138 Sect15) and Miscellaneous Parts and Products (1138 Sect 14) surface coating standards.	<ul style="list-style-type: none"> • Developed and presented, along with EPA and the DAQ, three special “Collision Repair Training” programs (one in each county) in January 2010 • Provided pertinent information to the auto-body business sector <ul style="list-style-type: none"> • Frequent updates to the DNREC’s Small Business webpage • Mailing information on and participation in the three regulatory public workshops conducted in February 2010 • Responding to follow-up telephone call after both the January “Collision Repair” and February regulatory workshops • Provided a regulatory review to the Chamber of Commerce, as well as regular status updates 	- - - - - - - - -
	c. Provide compliance assistance to gasoline distribution facilities, where needed, during the regulatory development of a Delaware standard (Federal Sub BBBB).)	<ul style="list-style-type: none"> • Regulatory development has been put on hold pending finalization of EPA’s proposed changes to Sub BBBB 	• 2011
	d. Provide compliance assistance to gasoline dispensing facilities, where needed, during the regulatory development of a Delaware standard (Federal Sub CCCCC).	<ul style="list-style-type: none"> • Regulatory development has been put on hold pending finalization of EPA’s proposed changes to Sub CCCCC 	• 2011
e. Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.	<ul style="list-style-type: none"> • Provided pertinent information and guidance to interested marinas. 	• Ongoing	

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2010 Air Toxics Strategic Plan – Year End *Detailed* Status

	12/31/10 Status	Expected Completion	
2010 Cont	Implement appropriate actions to reduce the harm from exposure to air toxics		
	5. 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.		
	a. Implement an enhanced air toxics-related educational outreach for auto-body shops (and similar small businesses) that repair damaged motor vehicles and mobile equipment.	<ul style="list-style-type: none"> • Obtained funding through partnering with EPA Region 3 to present educational training to the auto-body business sector in Delaware • Collaborated with EPA’s “Design for the Environment” and Region 3 to present “Best Practices in Collision Repair” and “Energy Star in the Workplace” information auto-body shop owners and technicians • Presented, along with EPA and Air Quality Management, three “Collision Repair Training” programs (one in each county) in January 2010 	<p>---</p> <p>---</p> <p>---</p>
	6. Improve and enhance the content, ease of accessing, and information flow of DAQ’s “Air Toxics” web site.		
	a. Evaluate identified “Air Toxics” web site improvements by 6/10.	<ul style="list-style-type: none"> • Completed initial review of other State’s “Air Toxics” web sites to identify potential improvements 	---
b. Complete installation of the initial phase of the “Air Toxics” web site redesign by 12/10.	<ul style="list-style-type: none"> • Completed initial concept for new DAQ “Air Toxics” website on 12/9/10 • Submitted initial concept for comments before installation 	<ul style="list-style-type: none"> • In 2011 ATSP 	
7. Continue to provide pertinent and timely information to the public and regulated community on DAQ’s “Proposed Regulations” web site during the adoption of new air toxics standards.	<ul style="list-style-type: none"> • Continued to maintain “Regulatory Websites” during the adoptions of <ul style="list-style-type: none"> • Section 14 (Misc Surface Coating) • Section 13 (Paint Stripping) • Section 15 (Motor vehicle Surface Coating) • Section 16 (Asphalt Roofing) 	<p>---</p> <p>---</p> <p>---</p> <ul style="list-style-type: none"> • 2/11 	

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2010 Air Toxics Strategic Plan – Year End Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010 Cont	8. Submit delegation package for		
	a. Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 13-15) by 12/10.	<ul style="list-style-type: none"> • Completed the delegation request package on 12/22/10 • Submitted for the Secretary's signature on 12/23/10 	• 1Q/11
NEW	b. Title V-related area source standards (Federal Sub AAAA, EEE, and YYYYY) by 12/10.	• No activity this period	• In 2011 ATSP
	c. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).	• No activity this period	• 1Q/11
	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Amend Regulation 1131 to expand the low enhanced inspection and maintenance (I/M) program statewide by 3Q10.	• Continued meeting with Division of Motor Vehicles to establish regulatory path forward	• 12/11
	b. Assist in initial stringency determination between Federal Sub CCCCC vs. existing Delaware regulations by 4/10.	• Rulemaking strategy activities have been put on hold by DAQ pending finalization of recent federal proposal to modify Sub CCCCC	• In 2011 ATSP
	c. Submit Start Action Notices for		
	i. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 4/10, if necessary.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub 6Bs	• In 2011 ATSP
	ii. Area standard applicable to Gasoline Distribution Facilities (Federal Sub CCCCC) by 4/10, if necessary.	• No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub 6Cs	• In 2011 ATSP
	iii. Amending the General Provisions (1138 Sect 3) by 8/10.	• No activity this period; adoption ON HOLD pending EPA's finalizing planned startup, shutdown, and malfunction plan changes in Sub A	• In 2011 ATSP
	NEW	iv. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).	<ul style="list-style-type: none"> • Submitted Start Action Notice (SAN) to commence adoption as Section 16 on 5/4/10 • Secretary approved on 6/18/10 under SAN 2010-17

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NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion	
Implement appropriate actions to reduce the harm from exposure to air toxics			
2010 Cont	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	d. Complete stringency determinations for		
	i. Municipal Solid Waste Landfill (Federal Sub AAAA) requirements in the three current DSWA Title V permits.		
	1. 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 3/10.	<ul style="list-style-type: none"> • Completed assessment; determined that the Title V permits are no less stringent than federal standard 	- - -
	2. Develop path forward for implementation or revision of the three DSWA Title V permits by 3/10.	<ul style="list-style-type: none"> • Dropped; not necessary based upon completed assessment 	- - -
	3. Commence implementation of path forward by 12/10, if needed.	<ul style="list-style-type: none"> • Dropped; not necessary based upon completed assessment 	- - -
	ii. Hazardous Waste Combustor (Federal Sub EEE) requirements in current DuPont Experimental Station Title V permit by 3/10.	<ul style="list-style-type: none"> • No activity this period 	• 3/11
	iii. Electric Arc Furnace (Federal Sub YYYYY) requirements during renewal of Claymont Steel Title V permit by 3/10.	<ul style="list-style-type: none"> • Permit language being prepared 	• 3/11
	iv. Area standard applicable to Paint Stripping Operations (1138 Sect 13) by 5/10.	<ul style="list-style-type: none"> • Completed final stringency determination for Section 13 on 9/16/10; DE section 13 is as stringent as the federal requirements 	- - -
	v. Area standard applicable to Motor Vehicles and Mobile Equipment Surface Coating Operations (1138 Sect 15) by 5/10.	<ul style="list-style-type: none"> • Completed final stringency determination for Section 15 on 9/16/10; DE Section 15 contains several more stringent requirements than the federal rule 	- - -
	vi. Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCC), if needed.	<ul style="list-style-type: none"> • Rulemaking strategy activities have been put on hold by Division of Air Quality pending finalization of recent federal proposal to modify Sub CCCCC 	• In 2011 ATSP
	vii. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 9/10.	<ul style="list-style-type: none"> • No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub BBBB 	• In 2011 ATSP
viii. Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCC) by 9/10.	<ul style="list-style-type: none"> • No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub CCCCC 	• In 2011 ATSP	

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2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion	
Implement appropriate actions to reduce the harm from exposure to air toxics			
2010 Cont	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	e. Finalize the adoption of area source standards for		
	i. Paint Stripping Operations (1138 Sect 13) by 10/10.	<ul style="list-style-type: none"> • Published final Section 13 in the DE Register on 10/1/10 	- - -
	ii. Miscellaneous Parts and Products Surface Coating Operations (1138 Sect 14) by 4/10.	<ul style="list-style-type: none"> • Published final Section 14 in the DE Register on 4/1/10 	- - -
	iii. Motor Vehicles and Mobile Equipment Surface Coating Operations (1138 Sect 15) by 10/10.	<ul style="list-style-type: none"> • Published final Section 15 in the DE Register on 10/1/10 	- - -
	iv. Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 12/10.	<ul style="list-style-type: none"> • No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub BBBB 	<ul style="list-style-type: none"> • In 2011 ATSP
	v. Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCC) by 12/10.	<ul style="list-style-type: none"> • No activity this period; adoption ON HOLD pending EPA's finalizing recent proposed changes to Sub CCCCC 	<ul style="list-style-type: none"> • In 2011 ATSP
	vi. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAA).	<ul style="list-style-type: none"> • Completed final stringency determination for Section 16 on 9/23/10; DE section 16 is as stringent as the federal requirement • Published final Section 16 in the DE Register on 12/1/10 	- - -
	f. Revise existing and develop new control strategies, as needed.		
	i. Develop path forward for the recently promulgated Federal Hospital/Medical/Infectious Waste Incinerator (HMIWI) standard by 3/10.	<ul style="list-style-type: none"> • Completed review existing incinerator source inventory on 3/17/10 • Submitted a negative declaration and requested withdrawal of DE's existing HMIWI State Plan on 6/17/10 • EPA approved request on 11/30/10 	- - -
ii. Initiate revisions to the State Plan for Hospital/Medical/Infectious Waste Incinerators (HMIWIs), if necessary.	<ul style="list-style-type: none"> • Completed on 6/17/10 with submittal to EPA R3 requesting the withdrawal of the HMIWI Plan and making the negative declaration. 	- - -	

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2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion	
Implement appropriate actions to reduce the harm from exposure to air toxics			
2010 Cont	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	g. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and develop regulatory path forward, if necessary.		
	i. Develop regulatory path forward for Gasoline Distribution Operations (Federal Sub BBBBBB) by 3/10, if necessary.	<ul style="list-style-type: none"> • No activity this period; adoption ON HOLD pending EPA’s finalizing recent proposed changes to Sub BBBBBB 	<ul style="list-style-type: none"> • In 2011 ATSP
	ii. Develop regulatory path forward for Gasoline Dispensing Facilities (Federal Sub CCCCCC) by 3/10, if necessary.	<ul style="list-style-type: none"> • No activity this period; adoption ON HOLD pending EPA’s finalizing recent proposed changes to Sub CCCCCC 	<ul style="list-style-type: none"> • In 2011 ATSP
	h. Follow development of federal residual risk standards affecting area sources, if amended.		
	i. Federal Sub N (Chrome plating facilities).	<ul style="list-style-type: none"> • Completed review of EPA’s 11/30/10 proposed residual risk standard for chromium electroplating facilities (Sub N) and communicated internally; no comments were submitted to EPA 	---
	ii. 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
	iii. 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
	i. 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"> • Determined there was no need for outreach associated with the adoption of Section 16 (Sub 7As) 	---
	j. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.		
	i. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/10, if required.	<ul style="list-style-type: none"> • Completed inventory of known sources affected by EPA’s area source prepared feeds standard (Sub 7Ds) 	---
	ii. Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.	<ul style="list-style-type: none"> • Completed on 12/15/10 	---
	iii. Update the Area Source Program – Implementation Plan, as needed.	<ul style="list-style-type: none"> • Completed adoption of Section 16 (Federal Sub 7A’s) in lieu of planned 2010 adoptions, due to EPA proposed revisions to Sub BBBBBB and Sub CCCCCC 	---

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2010 Air Toxics Strategic Plan – Year End Detailed Status

Implement appropriate actions to reduce the harm from exposure to air toxics		12/31/10 Status	Expected Completion
2010 Cont	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	k. As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between DAQ and small businesses. <ul style="list-style-type: none"> i. Gasoline distribution facilities (Federal Sub BBBBBB). ii. Gasoline dispensing facilities (Federal Sub CCCCCC). 	<ul style="list-style-type: none"> • Regulatory development has been put on hold pending finalization of EPA’s proposed changes to Sub BBBBBB • Regulatory development has been put on hold pending finalization of EPA’s proposed changes to Sub CCCCCC 	<ul style="list-style-type: none"> • 2011 • 2011
NEW	l. Amend Regulation 1140 by 4Q/10 by incorporating the CAL-LEV II requirements.	• Completed adoption of CAL-LEV II requirements in 12/10	- - -
	10. Implement a “Smoking Vehicle Reduction Program”.		
	a. Evaluate the use of a remote sensing program to monitor smoking vehicles by contracting with Environmental Systems Products (ESP).	• Evaluation completed; determined not to pursue ESP’s technology at this time	- - -
	b. Initiate baseline testing of smoking vehicles through the remote sensing program.	• On hold, no funding available to conduct baseline testing at this time	• Unknown
	11. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Continued to conduct audits throughout the period • Completed final review of audit results analyses in 7/10 • Submitted the annual I/M Report on 7/31/10 	<ul style="list-style-type: none"> • Ongoing <li style="margin-top: 10px;">- - - <li style="margin-top: 10px;">- - -
	12. Develop and implement improvements for inspection and maintenance (I/M) reporting process.	• Completed report improvements during the period	- - -

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NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010 Cont	13. Facilitate the implementation of diesel retrofits.		
	a. Complete school bus retrofits in three new school districts.	<ul style="list-style-type: none"> • Diesel retrofits were completed <ul style="list-style-type: none"> • Cape Henlopen School District • Capital School District • Providence Creek School District 	---
NEW	b. Complete City of Wilmington refuse hauler and dump truck retrofits.	<ul style="list-style-type: none"> • Completed truck retrofit installations in 10/10 	---
	c. Complete City of Dover truck retrofits.	<ul style="list-style-type: none"> • Orders placed for truck retrofit • Complete installation 	--- • 2/11
NEW	d. Complete City of Newark truck retrofits.	<ul style="list-style-type: none"> • City of Newark decided to retrofit trucks • Orders placed 	--- • 1Q/11
	14. Continue to work with other State agencies including DPH on air toxics communications and outreaches.	<ul style="list-style-type: none"> • Maintained communication channels with DPH, as needed 	---
	15. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.	<ul style="list-style-type: none"> • Collaborated with Air Quality Management on outreach activities scheduled for Summer and Fall 2010. 	---
	16. Commence development of 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"> • Development of public outreach program remains “On Hold” pending resumption of regulatory activities 	• 2012
	17. Evaluate opportunities to incorporate air toxics and particulate matter into the secondary school curriculum.	<ul style="list-style-type: none"> • Dropped due to lack of resources 	---
	18. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.	<ul style="list-style-type: none"> • No opportunities identified this period 	---

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NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010 Cont	19. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:		
	a. Energy efficiency/conservation education, outreach, technical assistance.	<ul style="list-style-type: none"> • Completed energy-related outreaches • Great Green Expo on 3/20/10 • Delaware State Fair on 7/31/10 • Delaware Electric Cooperative's Annual Meeting on 8/10/10 • Delaware Coast Day on 10/3/10 	---
NEW	b. Sustainable Energy Utility - SEU		
	i. Establish State Building Energy Efficiency Program	<ul style="list-style-type: none"> • Continued to implement the Commercial Lighting Efficiency Program • Residential Energy Efficiency Program • Completed program development in 9/10 • Commenced program implementation in 9/10 • Commercial Efficiency Program into other applications • Completed development of program for new applications in 9/10 • Commenced program implementation in 9/10 • Introduced the Green4Green new home program that provides rebates of up to \$6000 for upgrading homes to meet the national green standard on June 10 	<ul style="list-style-type: none"> • Ongoing <li style="text-align: center;">--- • Ongoing <li style="text-align: center;">--- • Ongoing • Ongoing
NEW	ii. Home Performance	<ul style="list-style-type: none"> • Completed training programs on residential and commercial energy codes • Training provided on 5/18 to 5/19 • Training provided on 5/25 to 5/26 • Training provided on 6/8 to 6/9 	---

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NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion	
Implement appropriate actions to reduce the harm from exposure to air toxics			
2010 Cont	20. Continue to identify and implement state facilities energy programs. State facilities energy programs include:		
	a. Utility Accounting	<ul style="list-style-type: none"> • Completed transfer of implementation to the Office of Management & Budget 	- - -
	b. Energy Saving Performance Contracting	<ul style="list-style-type: none"> • Completed transfer of implementation to the Office of Management & Budget 	- - -
	c. Electricity Procurement	<ul style="list-style-type: none"> • Completed auction and signed contracts on April 7 	- - -
	21. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:		
	a. Green Energy Program	<ul style="list-style-type: none"> • Legislation was passed in June to provide greater flexibility in implementing the Green Energy Program 	<ul style="list-style-type: none"> • Ongoing
	i. Photovoltaic Electric	<ul style="list-style-type: none"> • Awarded 111 grants for \$2,970,000 	<ul style="list-style-type: none"> • Ongoing
	ii. Solar Hot Water	<ul style="list-style-type: none"> • Awarded 13 grants for \$38,000 	<ul style="list-style-type: none"> • Ongoing
	iii. Geothermal	<ul style="list-style-type: none"> • Awarded 103 grants for \$293,000 	<ul style="list-style-type: none"> • Ongoing
	iv. Wind	<ul style="list-style-type: none"> • Awarded 1 grants for \$6,000 	<ul style="list-style-type: none"> • Ongoing
	b. Technology Demonstration/Research & Development Grant Program	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	c. Renewable Portfolio Goals	<ul style="list-style-type: none"> • Expanded the renewable portfolio standard through 2025 • Commenced task force meetings for the Renewable Portfolio standard on 9/2/10 	<ul style="list-style-type: none"> <li style="text-align: center;">- - - • Ongoing
	22. Continue to identify and implement transportation programs. Transportation programs include:		
	a. Clean State Program – focusing on greater use of alternative transportation fuels.	<ul style="list-style-type: none"> • Demonstrated alternative fuel vehicles for the public at the Great Green Expo on 3/20/10 	<ul style="list-style-type: none"> • Ongoing
	23. Implement the “Energy Assurance Updates” by providing enhanced training for emergency personnel who respond during major disruptions to the energy supply.	<ul style="list-style-type: none"> • Received initial draft of the Emergency Assurance plan in 11/10 • Reviewing initial draft 	<ul style="list-style-type: none"> <li style="text-align: center;">- - - • 1/2011

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2010 Air Toxics Strategic Plan – Year End Detailed Status

	12/31/10 Status	Expected Completion	
2010 Cont	Implement appropriate actions to reduce the harm from exposure to air toxics		
	24. Implement the “Energy Efficiency and Conservation Block Grant” programs to reduce fossil fuel emissions, total energy use, and improve transportation efficiency.	<ul style="list-style-type: none"> • Completed 3 initial guidance workshops (one per county) during April • Completed an additional grant workshop on June 8 for submission of the applications for competitive sub-grants • Nearly \$9,600,000 in grants are available to communities through is program 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
	25. Continue to provide air toxics-related support to State through. . .		
	a. Reviewing of air permits.	<ul style="list-style-type: none"> • No reviews requested this period 	<ul style="list-style-type: none"> • Ongoing
	b. Providing current regulatory interpretations.	<ul style="list-style-type: none"> • Provided regulatory guidance to <ul style="list-style-type: none"> • OTC and E&C on lightering regulation (Reg. 1124 Section 46) • E&C on misc parts/products surface coating (Reg. 1138 Section 14) • ASC on auto-body shop surface coating (Reg. 1138 Section 15) 	<p style="text-align: center;">- - -</p>
	c. Advising on likely future trends and actions.	<ul style="list-style-type: none"> • Provided manpower implications of proposed HB 390 	<ul style="list-style-type: none"> • Ongoing
	d. Providing technical support, as needed. <ul style="list-style-type: none"> i. Support Engineering & Compliance in their implementation of the “Boiler MACT” case-by-case MACT determinations, if needed. 	<ul style="list-style-type: none"> • No support requested during this period 	<p style="text-align: center;">- - -</p>

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2010 Air Toxics Strategic Plan – Year End Detailed Status

	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/10 Status	Expected Completion
NEW	26. Implement the multi-state Transportation & Climate Initiative (TCI) in Delaware.	<ul style="list-style-type: none"> • Participated in the design of a multi-state compact (TCI) to reduce greenhouse gas emissions from the transportation sector; this initiative will additionally reduce mobile source air toxics emission • Established operating 4 work groups <ul style="list-style-type: none"> • Clean Vehicles & Fuels • Sustainable Communities • Freight • ICT • Completed work plans for all 4 work groups 	<ul style="list-style-type: none"> • Ongoing <li style="text-align: center;">--- <li style="text-align: center;">---
	27. Continue to implement an anti-idling program.		
NEW	a. Participate with the Ozone Transportation Commission (OTC) in the development of an OTC non-road anti-idling model rule.	<ul style="list-style-type: none"> • OTC completed initial draft of the model rule by 12/10 • Initiated discussions on the model rule with stake holder 	<ul style="list-style-type: none"> <li style="text-align: center;">--- • 2011
	b. Continue to conduct school bus anti-idling outreach programs.	<ul style="list-style-type: none"> • Conducted anti-idling outreach program for school district Transportation Directors on 7/15/10 • Conducted outreach program for school bus drivers on 3/31/10, 5/6/10, and 5/13/10 	<ul style="list-style-type: none"> <li style="text-align: center;">--- <li style="text-align: center;">---
NEW	c. Evaluate and revise anti-idling outreach program, as needed.	<ul style="list-style-type: none"> • Completed an anti-idling survey to assess compliance with Regulation 1145 at selected schools throughout the state; nearly 30% of the buses were non-compliant • Presented the survey result to the Department of Education's Transportation Coordinator 	<ul style="list-style-type: none"> <li style="text-align: center;">---

NEW activities were not identified in Final 2010 ATSP, but were undertaken in 2010

2010 Air Toxics Strategic Plan – Year End *Detailed* Status

	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/10 Status	Expected Completion
2010	1. 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"> • Sampling is continuing as scheduled 	<ul style="list-style-type: none"> • Ongoing
	2. 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"> • Activity is currently on hold pending identification of the key air toxics of concern, the overall level of risk, and geographic sensitivity 	<ul style="list-style-type: none"> • Unknown
	3. 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"> • Issued Consent Decree for EVRAZ Claymont Steel in Aug. 2010 that provided more effective control and monitoring of mercury emissions • Utilized DAQ modeling results to demonstrate acceptable risk for the revised HCl emissions for a Formosa Plastics' back up scrubber in Nov. 2010 • Incorporating mercury emission limitations based on DAQ modeling of ground level concentrations during the renewal of the Clean Earth Title V permit; stack testing required and conducted to confirm mercury speciation and emission rate 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • 2011
	4. 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.		
	a. Anti-idling outreach programs.	<ul style="list-style-type: none"> • Completed anti-idling assessments at various schools throughout Delaware in June 2010 	<p style="text-align: center;">- - -</p>
	b. Environmental Crimes Unit's anti-idling compliance and enforcement programs.	<ul style="list-style-type: none"> • No activity this period 	<p style="text-align: center;">- - -</p>

2010 Air Toxics Strategic Plan – Year End Detailed Status

	Air toxics resource development	12/31/10 Status	Expected Completion
2010	1. Evaluate available training and encourage broader participation in risk-related training.		
	a. Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.	<ul style="list-style-type: none"> • Travel is restricted; communicated availability of air toxics related webinars 	<ul style="list-style-type: none"> • In 2011 ATSP
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • Ongoing
	c. Evaluate the need for air toxics-related training for staff and present, as needed.	<ul style="list-style-type: none"> • Facilitated presentations of air toxics webinars for staff at both facilities 	<ul style="list-style-type: none"> • Ongoing
	d. 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"> • Determined that no recently promulgated rules needed to be presented to staff 	<ul style="list-style-type: none"> • In 2011 ATSP
	2. Assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources, including gasoline delivery vessels.	<ul style="list-style-type: none"> • Completed assessment of process for auto body sector and began implementation with a program to identify new and previously unknown sources 	<ul style="list-style-type: none"> • Ongoing
	3. Develop and implement mechanisms to improve air toxics communications.		
	a. Continue to implement newly found mechanisms to improve air toxics communications between branches.	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • In 2011 ATSP
b. Continue to promote open communications between DNREC and small businesses on air toxics issues.	<ul style="list-style-type: none"> • Promoted open communication through <ul style="list-style-type: none"> • Encouraged attendance and active participation in the three special “Collision Repair Training” programs held in each county during January 2010 • Encouraged attendance and active participation in the three regulatory public workshops conducted in February 2010 • Responded to follow-up telephone call after both the January “Collision Repair” and February regulatory workshops • Provided the Chamber of Commerce with regulatory overview, along with updates on the status of the regulatory development 	<p>---</p> <p>---</p> <p>---</p> <p>---</p>	