

**Delaware
Division of
Air Quality**

2012

Air Toxics Strategic Plan

Year-end Status

(January through December 2012)

Detailed Report

Delaware
Division of Air Quality
2012 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 2012 - 2016 ATSP, finalized on December 28, 2011, is organized within the following components.

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

ACRONYMS

AFS	EPA's Air Facility System
AIRS - AQS	EPA's Air Quality System Database
ATSP	Air Toxics Strategic Plan
CAA	Clean Air Act
CMAQ	Congestion Mitigation and Air Quality Improvement Program
CAL LEV III	California's Super Ultra Low-Emission Vehicle Program
CATS	Community Air Toxics Study
DAQ	Delaware Division of Air Quality
DE	Delaware
DERA	Diesel Emissions Reduction Act
DelDOT	Delaware Department of Transportation
DENs	Delaware Environmental Navigator
DNREC	Delaware Department of Natural Resources and Environmental Control
DPH	Division of Public Health
DVRPC	Delaware Valley Regional Planning Commission
EPA	U. S. Environmental Protection Agency
EPA R3	U. S. Environmental Protection Agency Region 3
E & C	Division of Air Quality's Engineering and Compliance Branch
FCE	Full Compliance Evaluation
GACT	Generally Achievable Control Technology
HAPs	Hazardous Air Pollutants, as defined in Section 112(b) of the 1990 Amendments to the Clean Air Act
HMIWI	Hospital, Medical, and Infectious Waste Incinerator
MACT	Maximum Achievable Control Technology
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standard
NACAA	National Association of Clean Air Agencies
NESHAP	National Emission Standard for Hazardous Air Pollutants
OTC	Ozone Transport Commission
QA/QC	Quality Assurance/Quality Control
SAN	Start Action Notice
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WILMAPCO	Wilmington Area Planning Council

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2012	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/12 Status	Expected Completion
	1. Facilitate the implementation of mobile source diesel emission reduction projects.		
	a. Facilitate the implementation of diesel retrofits.		
	i. Complete retrofits of DelDOT and DNREC trucks by 3/31. (Wheeler)	<ul style="list-style-type: none"> • Determined that no DNREC trucks would be retrofitted in 2012 • 37 DelDOT trucks to be equipped with diesel retrofits <ul style="list-style-type: none"> • Completed installation of diesel retrofits on 20 trucks in 2012 • Installed filter housing on 17 additional trucks 2012; filter cores for those 17 will be installed once verification is completed 	<ul style="list-style-type: none"> • 3/31/13
	b. Complete final Port of Wilmington engine replacement project by 6/30. (Wheeler)	• Completed the fourth (the last of 4) engine replacement in August 2012	---
	c. Complete Wilmington Tug diesel engine repowering project by 6/30. (Wheeler)	• Completed the tugboat engine repowering installation in September 2012	---
	d. Continue to support of the SmartWay Transport programs.		
	i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites. (Wheeler)	• Received 4 quarterly usage reports from the site operators	• Ongoing
	ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate. (Wheeler/Gray)	• Continued to work with the Transportation & Climate Initiative on studying the multi-modal freight transit in the 11-State region	• Ongoing
	e. Continue to identify mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found. (Wheeler/Postell)	• No mobile source-driven hot spots were identified during this period	• Ongoing
	2. Insure continued or improved compliance of stationary sources.		
	a. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS). (Gomes/Griosa)	<ul style="list-style-type: none"> • Continued to <ul style="list-style-type: none"> • Edit the active user database • Provide data entry for new notifications 	• Ongoing

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2012	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/12 Status	Expected Completion
NEW	2. Insure continued or improved compliance of stationary sources.		
	a. Continue to implement the Asbestos Demolition/Renovation Program.		
	ii. Educate the public, certified contractors, and professional service firms on the proper removal and disposal of asbestos. (Gomes/Griesa)	<ul style="list-style-type: none"> • Provided pertinent information in all three counties <ul style="list-style-type: none"> • State Service Centers • Appropriate county building (i.e. building permits; building code compliance, etc.) • Conducted a public workshop, during July 2012, in all three counties for demolition contractors in conjunction with the Small Business Ombudsman 	<ul style="list-style-type: none"> • Ongoing <p style="text-align: center;">---</p>
	iii. Respond to incidences of improper disposal of asbestos containing wastes. (Gomes/Griesa/Postell)	<ul style="list-style-type: none"> • Responded to 12 incidences; initiated and coordinated cleanup and proper disposal in 2012 	<p style="text-align: center;">---</p>
	b. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage 1 and Stage 2 requirements. (Rittberg)	<ul style="list-style-type: none"> • Seven enforcement actions were taken during this period 	<ul style="list-style-type: none"> • Ongoing
	c. 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. (Foster)	<ul style="list-style-type: none"> • 6 permits renewed; none were air toxics related 	<ul style="list-style-type: none"> • Ongoing
	ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 1130, as needed. (Foster)	<ul style="list-style-type: none"> • No permits required reopening during this period 	<ul style="list-style-type: none"> • Ongoing
	d. Incorporated area source standard requirements during renewal or reopening of Title V permits, including		
	i. Miscellaneous parts and products manufacturing facilities to include paint stripping (1138 Sect 13) and spray applied surface coating (1138 Sect 14) requirements, if applicable. (Foster)	<ul style="list-style-type: none"> • No affected sources were identified for renewal or reopening during this period 	<ul style="list-style-type: none"> • Ongoing
	e. Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for		
	i. Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 6/12. (Foster/Tayeb)	<ul style="list-style-type: none"> • Incorporated Section 11 requirements and submitted for approval 	<ul style="list-style-type: none"> • 1/31/13
	ii. St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 6/12. (Foster/Mann)	<ul style="list-style-type: none"> • No activity this period 	<ul style="list-style-type: none"> • 6/13
	iii. Industraplate to include Plating and Polishing Operations (1138 Sect 10) requirements by 6/12. (Foster/Tayeb)	<ul style="list-style-type: none"> • On hold, pending planned amendment of Section 10 in 2013 	<ul style="list-style-type: none"> • 2014
iv. Standard Engineering to include Plating and Polishing Operations (1138 Sect 10) requirements by 6/12. (Foster/Tayeb)	<ul style="list-style-type: none"> • On hold, pending planned amendment of Section 10 in 2013 	<ul style="list-style-type: none"> • 2014 	

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	2. Insure continued or improved compliance of stationary sources.		
	e. Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for		
	v. New and existing miscellaneous parts and products manufacturing facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements. (Foster)	• No new affected sources identified during this period	• As found
	vi. IKO to include Asphalt Processing and Asphalt Roofing Products Manufacturing Operations (1138 Sect 16) requirements. (Foster)	• No activity this period	• 12/13
	vii. New sources subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5). (Mood/Coverdale/Postell)	• No new dry cleaning facilities identified during this period	• Ongoing
	viii. Newly identified existing sources subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5) by 12/12. (Mood/Coverdale/Postell)	• Six newly identified unpermitted existing sources found during this period; permitting underway	• Ongoing
	ix. New sources subject to Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15). (Mood/Dossett/Griesa/Postell)	• One new “auto body shop” under construction; permit to be issued upon completion	• Ongoing
	x. Newly identified existing sources subject to Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15) by 12/12. (Mood/Dossett/Griesa/Postell)	• 15 newly identified unpermitted existing sources found during this period; permitting underway • Working to resolve issue raised with the risk determination process prior to issuing operating permits	• Ongoing
	f. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities. (Rollo)	• Continued to review and approve, if appropriate, Stage I and Stage II permit applications	• Ongoing
	g. Continue 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). (Mood/Dossett/Griesa/Postell)	• Provide compliance assistance to 143 “auto-body shop”	• Ongoing
NEW	ii. Sources subject to the Perchloroethylene Dry Cleaning standard (1138 Sect 5). (Mood/Coverdale)	• Provide compliance assistance to 22 dry cleaning facilities	• Ongoing
NEW	3. Approve, if appropriate, notifications submitted for open burning. (Postell/Mood)	• Approved 88 notifications during this period	---

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2012	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/12 Status	Expected Completion
	4. Implement other air toxics-related communications and outreach programs		
	a. Continue to implement a diesel anti-idling educational program.		
	i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate. (Wheeler/Morozowich)	<ul style="list-style-type: none"> • Participated in preparing DAQ’s new diesel anti-idling display within the overall DNREC “Connect the Dots” exhibit at the Delaware State Fair • Conducted anti-idling public outreach at the Delaware State Fair (7/19 - 7/29/12) • Worked with Public Affairs to complete 2 school bus anti-idling videos (one long; one short) in December 2012 	- - -
	ii. Evaluate and revise anti-idling outreach programs for schools, as needed. (Wheeler)	<ul style="list-style-type: none"> • Completed winter/spring school bus anti-idling audits <ul style="list-style-type: none"> • Found high compliance levels • No revision to anti-idling program needed 	• Ongoing
	iii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate. (Wheeler)	<ul style="list-style-type: none"> • No activity this period 	• Ongoing
	b. Actively promote the development and implementation of educational programs.		
	i. Continue working with the DVRPC on educational programs for . . .		
	1. Air Quality Partnership (AQP). (T Brixen)	<ul style="list-style-type: none"> • Continued to participate 	• Ongoing
	ii. Continue working with the Clean Air Council on educational programs for . . .		
	1. Air Quality Partnership (AQP). (T Brixen)	<ul style="list-style-type: none"> • Worked with the AQP to develop a children’s skit on the importance of understanding air quality and steps to take to fight air pollution • Collaborated with AQP and Delaware Nature Society to incorporate the children’s skit in the Annual Ozone Season Kick-Off on 4/21 • Commenced working with AQP to develop a request for proposal (RFP) for a character branding project to communicate the air quality message targeted towards elementary school students 	- - - - - - • 2Q13
	2. Diesel Difference Programs. (T Brixen)	<ul style="list-style-type: none"> • Continued to participate 	• Ongoing

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	4. Implement other air toxics-related communications and outreach programs		
	b. Actively promote the development and implementation of educational programs.		
	3. Delaware Diesel Difference Program. (T Brixen)	<ul style="list-style-type: none"> • Conducted outreach program on the installation of 20 electrification outlets at Trinity Port Service to replace existing diesel generators on 5/4 • Presented a grant request for the Clean Air Council (CAC) to develop and conduct an anti-idling outreach program on 5/8 	- - - - - -
	4. SmartWay Transport Programs. (T Brixen)	<ul style="list-style-type: none"> • No activity during this period 	• Ongoing
	iii. Continue working with EPA Region on educational programs for . . .		
	1. SmartWay Transport Programs. (T Brixen)	<ul style="list-style-type: none"> • No activity during this period 	• Ongoing
	2. Delaware Diesel Difference Program. (T Brixen)	<ul style="list-style-type: none"> • Continued to participate 	• Ongoing
	iv. Continue working with Delaware Division of Energy and Climate on educational programs for the Clean Cities program. (T Brixen)	<ul style="list-style-type: none"> • No joint opportunities surfaced during this period 	• Ongoing
	c. Continue to provide guidance and assistance to the DAQ’s Community Air Toxics team in their development and implementation of a communication program. (T Brixen)	<ul style="list-style-type: none"> • No activity during this period 	• Unknown
	d. Provide guidance and assistance to DAQ’s programs on development and implementation of their educational and outreach programs, when needed. (T Brixen)	<ul style="list-style-type: none"> • Coordinated DAQ activities, including a new diesel anti-idling display, using recent CAC grant funding, in the overall DNREC “Connect the Dots” exhibit at the Delaware State Fair • Conducted public outreach at the Delaware State Fair (7/19 - 7/29) • Conducted public outreach on 10/7 at Delaware Coast Day in Lewes • Commenced development of the DAQ Outreach Strategy that aligns DAQ’s outreach program to DAQ Strategic Plan 	- - - - - - - - - • 3/31/13

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2012	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/12 Status	Expected Completion
NEW	4. Implement other air toxics-related communications and outreach programs.		
	e. Continue to build a volunteer base in the Division of Air Quality. (T Brixen)	<ul style="list-style-type: none"> • Increased the number of volunteer from 1 high school graduate (2011) to 3 college level interns in 2012 • The 3 Summer 2012 interns worked <ul style="list-style-type: none"> • In the Air Quality’s analytical laboratory • With Air Quality’s permitting engineers • With Air Quality’s field monitoring and database management staff 	- - - - - -
	f. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions. (Chesser)	<ul style="list-style-type: none"> • No diesel emission outreaches were conducted during this period 	- - -
	g. Review existing educational information on mobile source emission/impacts and develop a communication plan to address the key issues for Delaware. (Wheeler/Postell/Gray)	<ul style="list-style-type: none"> • Revised and customized mobile source emission/impacts educational information for high school students and incorporated the updated information into the 2012 Envirothon on 4/28/12 	- - -
	h. Continue to participate in Claymont Coalition meetings. (Klotz/Foster)	<ul style="list-style-type: none"> • Continued participation in the Claymont coalition and participated on the Claymont Dust Study • Participated in the public information meeting discussing the final results of Phase IIB of the Claymont Dust Study on 10/23/12 	• Ongoing - - -
	i. Continue to improve compliance with Delaware’s open burning requirements.		
	i. Continue to educate the public on Delaware’s open burning restrictions. (Postell/Mood)	<ul style="list-style-type: none"> • Working directly with local fire companies on implementation issues • Worked directly with the public on a case-by-case basis 	• Ongoing • Ongoing
	ii. Provide non-compliance prevention guidance for open burning activities. (Postell/Mood)	<ul style="list-style-type: none"> • Publish an open burning article in the June 2012 <u>Environmental Protection Matters</u> entitled “Dioxins in My Back Yard?” • Continued to share recently developed education material with public 	- - - • Ongoing
	iii. Approve, if appropriate, notifications submitted for open burning. (Postell/Mood)	<ul style="list-style-type: none"> • Approved 88 notifications during this period 	- - -
	NEW	j. Review existing Area Source outreach/communication programs and determine whether changes or additional programs are needed. (Postell/Mood)	<ul style="list-style-type: none"> • Determined necessity for and completed additional outreach statewide for asbestos-based contractors in July 2012

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	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. (Chesser)	<ul style="list-style-type: none"> Initiated and implemented a statewide educational program for demolition contractors to improve the understanding of the asbestos NESHAP and other DNREC environmental requirements that impact their industry 	- - -
	6. Continue to enhance the value and use of the air toxics information on DAQ's web sites.		
	a. 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. (Morozowich)	<ul style="list-style-type: none"> DAQ's web page designer created regulatory web pages chronicling the stages of adoption for the following: <ul style="list-style-type: none"> Amendment of 1138 Sect 8 (halogenated solvent cleaning) – Completed in Jan. 2012 Adoption of 1138 Sect 17 (prepared feeds manufacturing) – Completed in Dec. 2012 Repeal of 1120 Sect 29 (hospital, medical & infectious waste incineration) – Completed in Dec. 2012 Amendment of 1138 Sect 10 (plating & polishing) Amendment of 1138 Sect 6 (chromium electroplating & anodizing) 	- - - - - - - - - • 4Q13 • 4Q13
	b. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ web site. (Morozowich/Snead)	<ul style="list-style-type: none"> No activities this period; upgrades will be as part of a Division reformatting of it web site 	• Unknown
	c. Review and update, if needed, to continuously improve the information on the Area Source Compliance web pages. (Postell/Mood)	<ul style="list-style-type: none"> Continuing to collect and compile material for upgrading the web pages Web page programming is in progress 	• Ongoing • Ongoing
	7. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.		
	a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/12, if required. (Snead)	<ul style="list-style-type: none"> Completed identification of affected sources (& lead contacts) subject to prepared feed manufacturing (1138 Sect 17) on 4/27/12 	- - -
	b. 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. (Snead)	<ul style="list-style-type: none"> Completed inclusion of the newly revised federal chromium electroplating & anodizing tank rule (Sub N) into the Area Source Program – Implementation Plan on 10/26/12 	- - -
	c. Update the Area Source Program – Implementation Plan by 10/12, if needed. (Snead)	<ul style="list-style-type: none"> Completed update of regulatory implementation plan for 2013-7 on 11/27/12 	- - -

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NEW	8. Submit delegation package for		
	<ul style="list-style-type: none"> a. Residual risk standard applicable to Halogenated Solvent Cleaning (Federal Sub T) by 1Q/12. (Snead) b. Area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD). (Snead) 	<ul style="list-style-type: none"> • Submitted on 3/23/12 • Completed delegation package and submitted to Department management for approvals and signature on 12/25/12 	<ul style="list-style-type: none"> --- ---
NEW	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Submit Start Action Notices for		
	<ul style="list-style-type: none"> i. Infrastructure standard applicable to General Provisions (Federal Sub A) by 6/30/12. (Snead) ii. Area source standard applicable to Industrial, Commercial & Institutional Boilers (Federal Sub JJJJJ) by 9/30/12. (Snead) iii. Area source standard applicable to Fabricated Metal Products Manufacturing (Federal Sub XXXXXX) by 12/31/12. (Snead) iv. Adopting a new non-road anti-idling regulation similar to the recently approved OTC model rule by March 31. (Morozowich) 	<ul style="list-style-type: none"> • No activity this period • No activity this period; resources applied to adoption of Section 17 and amending Sections 6 and 10. • No activity this period; resources applied to adoption of Section 17 and amending Sections 6 and 10. • OTC approved the non-road anti-idling model rule on 5/24/12 • On hold during this period due to higher priority activities and limited resources 	<ul style="list-style-type: none"> • Unknown • Unknown • Unknown --- • 4Q/2013
	<ul style="list-style-type: none"> v. Repealing the hospital, medical, and infectious waste incinerator standard (Section 29) of Regulation 1120. (Snead) 	<ul style="list-style-type: none"> • Submitted on 5/15/12 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> vi. Area source standard applicable to Plating and Polishing Operations (1138 Sect 10). (Snead) 	<ul style="list-style-type: none"> • Submitted on 7/18/12 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> vii. Residual risk and technology review standard applicable to Chromium Electroplating and Anodizing Tanks (1138 Sect 6). (Snead) 	<ul style="list-style-type: none"> • Submitted on 10/17/12 	<ul style="list-style-type: none"> ---
	<ul style="list-style-type: none"> viii. Amending Regulation 1147 to include petroleum refineries. (Gray) 	<ul style="list-style-type: none"> • Submitted on 11/30/12 	<ul style="list-style-type: none"> ---
	b. Complete stringency determinations for		
	<ul style="list-style-type: none"> i. Area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD) by 3Q/12. (Snead) ii. Infrastructure standard applicable to General Provisions (Federal Sub A) by 4Q/12. (Snead) 	<ul style="list-style-type: none"> • Completed stringency determination of final regulation on 9/22/12 • No activity this period 	<ul style="list-style-type: none"> --- • Unknown
	<ul style="list-style-type: none"> c. Finalize adoption of a new non-road anti-idling regulation similar to the recently approved OTC model rule by December 31. (Morozowich) 	<ul style="list-style-type: none"> • On hold during this period due to higher priority activities and limited resources 	<ul style="list-style-type: none"> • 3Q/2014

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	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	d. Finalize the adoption of area source standards for		
	i. Area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD) by 4Q/12. (Snead)	• Finalized adoption as Section 17 of Regulation 1138 on 12/1/12	- - -
NEW	ii. Repealing the hospital, medical, & infectious waste incinerator standard (Section 29) of Regulation 1120. (Snead)	• Finalized repeal of Section 29 of Regulation 1120 on 12/1/12	- - -
NEW	iii. Area source standard applicable to Plating and Polishing Operations (1138 Sect 10). (Snead)	• Preliminary draft completed on 10/26/12 • Affected sources notified of planned adoption on 12/11/12	- - -
NEW	iv. Residual risk and technology review standard applicable to Chromium Electroplating and Anodizing Tanks (1138 Sect 6). (Snead)	• Preliminary draft completed on 10/19/12 • Affected sources notified of planned adoption on 12/11/12	- - -
	e. Upon initial proposal of CAL-LEV III and the federal TIER III, evaluate the regulatory options or other paths forward for implementation of automobile low emission standards in Delaware. (Gray/Wheeler)	• Decided to proceed with the amendment of Regulation 1140 on 12/25/12	• 10/13
	f. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide. (Postell/Wheeler/Gray)	• On hold during this period due to lack of consensus	• Unknown
	g. Revise existing and develop new control strategies, as needed.		
	i. Complete review and submit a negative evaluation declaration letter regarding existing sewage sludge incinerators under Federal Subpart MMMM by 2/28/12. (Snead)	• Submitted negative declaration and requested withdrawal of the HMIWI plan on 2/14/12	- - -
	ii. Assess path forward for the following MACT standards.		
	1. Utilities MACT Standard (Federal Sub UUUUU), if finalized. (Snead/Clausen)	• Utility MACT promulgated on 2/16/12; no activity to date	• Unknown
	2. Industrial, Commercial & Institutional Boiler MACT Standard (Federal Sub DDDDD), if finalized. (Snead)	• No activity this period; Boiler MACT wasn't finalized until 12/20/12	• 4Q13
	3. Commercial and Industrial Solid Waste Incinerator Standard (Federal Sub CCCC), if finalized. (Snead)	• No activity this period; CISWI standard wasn't finalized until 12/20/12	• 4Q13
	iii. Update path forward for area source Prepared Feeds Manufacturing GACT Standard (Federal Sub DDDDDDD). (Snead)	• Completed on 4/20/12	- - -

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	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	g. Revise existing and develop new control strategies, as needed.		
	iv. Develop path forward for applicable area source residual risk standards finalized in 2012.		
	1. Develop path forward to amend 1138 Sect 6, if the Chromium Electroplating residual risk requirements (Federal Sub N) are finalized in 2012. (Snead)	• Completed on 10/26/12 with path forward incorporated into the SAN	- - -
	2. Develop path forward to amend 1138 Sect 12, if the Secondary Aluminum Production residual risk requirements (Federal Sub RRR) are finalized in 2012. (Snead)	• No activity this period; EPA did not finalized rule in 2012	• 4Q13
	h. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and develop regulatory path forward, if necessary.		
	i. Infrastructure standard applicable to General Provisions (Federal Sub A) by 2Q/12. (Snead)	• Completed initial incorporation of Federal requirements into existing Section 3 on 3/16/12 • ON HOLD pending adoption of other area source standards with higher priorities	• Unknown
	ii. Area source standard applicable to Industrial, Commercial & Institutional Boilers (Federal Sub JJJJJ) by 3Q/12. (Snead)	• No activity this period; resources applied to adoption of Section 17 and amending Sections 6 and 10.	• Unknown
	iii. Area source standard applicable to Fabricated Metal Products Manufacturing (Federal Sub XXXXXX) by 4Q/12. (Snead)	• No activity this period; resources applied to adoption of Section 17 and amending Sections 6 and 10.	• Unknown
NEW	iv. Area source standard applicable to Plating and Polishing Operations (1138 Sect 10). (Snead)	• Completed initial incorporation of Federal requirements into existing Section 10 on 7/11/12	- - -
NEW	v. Residual risk and technology review standard applicable to Chromium Electroplating and Anodizing Tanks (1138 Sect 6). (Snead)	• Completed initial incorporation of Federal requirements into existing Section 6 on 10/12/12	- - -
	i. As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between DAQ and small businesses. (Chesser)	• No activity this period	- - -

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2012	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/12 Status	Expected Completion
	9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	j. Provide support to small businesses on air toxics related issues.		
	i. Continue to provide compliance assistance to small business as DAQ continues to adopt new regulations applicable area sources.		
	1. Provide compliance assistance during the adoption of the area source Industrial, Commercial & Institutional Boiler rule (Federal Sub JJJJJ). (Chesser)	• DAQ's ADOPTION WAS ON HOLD , as EPA didn't finalize Sub 6Js until 12/20/12	- - -
	ii. Continue to provide compliance assistance to small business as new needs arise. (Chesser)	• Continued to provide information and compliance assistance on air toxics and other DNREC regulatory requirements through the Regulatory Advisory Service	- - -
	10. Continue to improve the inspection and maintenance (I/M) program reporting process. (Morozowich)	• Continued to improve I/M reporting process and formats	• Ongoing
	11. Continue to provide air toxics-related support to State through. . .		
	a. Reviewing of air permits. (Snead)	• Review and commented on Johnson Control operating permit incorporating the Section 11 requirements on 12/28/12	• Ongoing
	b. Providing current regulatory interpretations. (Snead)	<ul style="list-style-type: none"> • ICI Boiler MACT – affected sources • Area source ICI Boiler rule • CISWI - applicability • Area source gasoline distribution applicability • Provide guidance on potential chicken litter operation <ul style="list-style-type: none"> • Provided verbal explanation applicability for permitting under Reg. 1102 and emission limitations under Reg. 1107 on 6/11/12 • Provided follow up written explanation permitting and regulatory applicability on 6/18/12 	• Ongoing
	c. Advising on likely future trends and actions. (Snead)	<ul style="list-style-type: none"> • Reported on EPA's lack of funding for future NATA activities • Talked with Cathleen Kennedy about the perceived weakening of air toxics in the 105 grant and reported the apparent "cash cow" status to management on 7/2/12 	• Ongoing

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2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/12 Status	Expected Completion
	d. Providing technical support, as needed. (Snead)	<ul style="list-style-type: none"> • Provide assistance on completion of the Federal Notice of Compliance Status to Perdue Farms • Provided insights on the emission levels associated with lightering of gasoline & other refined products (to E&C) • Provided E&C technical information for the startup, shutdown and malfunction requirements renewal of the BASF Title V permit on 6/27/12 • Met with DANA Railcare on 7/19/12 on the applicability of Section 14 (Fed Sub 6Hs) to their facility; provided DANA the appropriate path forward to make their determination • Provided regulatory technical support to the Energy Office for their adoption of a regulation related to SB106 • Coordinated, collected and responded to a MARAMA air toxics survey; submitted response on 8/14/12 • Provided technical support for comments on proposed NSPS (40 CFR Part 60 sub F) regarding impact of NOx emissions from portland cement plants on 8/15 & 8/16/12 • Provided assistance on amendment of Regulation 1140 during week of 9/10/12 • Provided guidance on permitting requirements for VOC batch vapor degreasing operations to E&C on 9/14/12 with follow up on 9/19/12 • Provided guidance on permitting requirements for incorporating RICE standard into a construction permit for Eastern Shore Natural Gas – DE City on 9/27/12 • Provided guidance on permitting requirements for incorporating RICE standard into a construction permit for Calpine - Christiana on 10/4/12 • Provided technical guidance for incorporating the requirements of Section 11 (Lead Acid Battery Mfg) into Johnson Controls' existing permits during Nov. and Dec. 	<ul style="list-style-type: none"> • Ongoing

2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/12 Status	Expected Completion
	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. (Sarnoski)	<ul style="list-style-type: none"> • Twelve months of air toxics sampling successfully completed at both monitoring stations 	<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, as needed. (Fees)	<ul style="list-style-type: none"> • No requests for information for air toxics of concern during this period 	<ul style="list-style-type: none"> • Ongoing
	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. (Foster)	<ul style="list-style-type: none"> • Identified need for Section 14 (Federal Sub 6Bs) training to improve staffs effectiveness in implementation for the standard 	<ul style="list-style-type: none"> • 2Q/2013
	4. Evaluate and revise anti-idling outreach programs for schools, as needed. (Wheeler)	<ul style="list-style-type: none"> • Completed winter/spring school bus anti-idling audits <ul style="list-style-type: none"> • Found high compliance levels • No revision to anti-idling program needed 	<ul style="list-style-type: none"> • Ongoing
	5. Insure continued or improved compliance of stationary sources.		
	a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the applicable compliance monitoring plan. (Foster)	<ul style="list-style-type: none"> • Completed 4 of 4 FCEs scheduled for 2012 	- - -
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 9/13
	ii. The one (1) halogenated solvent degreaser, subject to 1138 Sect 8, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 9/13
	iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • Completed FCE on 8/9/12 	- - -
	iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • Completed 3 of 3 FCEs scheduled for 2012 by 6/20/12 	- - -
	v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • Completed the 2 scheduled FCE for 2012 on 12/20/12 	- - -
	vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 9/13
	vii. The one (1) source, subject to electric arc furnace standard (Federal Sub YYYYY), covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 9/13

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2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/12 Status	Expected Completion
	5. Insure continued or improved compliance of stationary sources.		
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	viii. The two (2) plating and polishing operations, subject to 1138 Sect 10, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 9/13
	ix. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to 1138 Sect 14, covered during the 2012-13 timeframe; total potential population is ~25 facilities. (Foster)	<ul style="list-style-type: none"> • Two (2) affected sources have been confirmed • Completed FCEs for the 2 confirmed affected sources 	<ul style="list-style-type: none"> • Ongoing ---
	x. The one (1) asphalt processing and asphalt roofing products manufacturing operation, subject to 1138 Sect 16, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • Completed FCE on 4/17/12 	<ul style="list-style-type: none"> ---
NEW	xi. The one (1) secondary aluminum production operation, subject to 1138 Sect 12, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • No activity to date 	<ul style="list-style-type: none"> • 9/13
NEW	xii. The one (1) gasoline distribution operation, subject to Federal SubBBBBB, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • Completed FCE on 4/27/12 	<ul style="list-style-type: none"> ---
NEW	xiii. The one (1) chemical manufacturing operation, subject to Federal SubVVVVVV, covered during the 2012-13 timeframe. (Foster)	<ul style="list-style-type: none"> • Completed FCE on 5/30/12 	<ul style="list-style-type: none"> ---
NEW	xiv. The three (3) prepared feeds manufacturing operations, subject to Federal SubDDDDDD. (Foster)	<ul style="list-style-type: none"> • Completed FCE on 5/24, 6/12, and 9/20/12 	<ul style="list-style-type: none"> ---
	c. By 9/12, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~ 72 facilities. (Mood/Coverdale/Postell)	<ul style="list-style-type: none"> • Completed 18 compliance evaluations (or ~25% of current population) during this period 	<ul style="list-style-type: none"> ---
	ii. 25% or ~40 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~ 157 facilities. (Mood/Dossett/Griesa/Postell)	<ul style="list-style-type: none"> • Completed 100 compliance evaluations (or ~64% of current population) during this period 	<ul style="list-style-type: none"> ---
	iii. 10% or ~60 gasoline delivery vessels (GDVs); total population is ~600 facilities. (Gomes)	<ul style="list-style-type: none"> • Performed perceptible leak tests on 61 GDVs during delivery transfers at gasoline stations (or on ~10% 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"> --- • Ongoing

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2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/12 Status	Expected Completion
	5. Insure continued or improved compliance of stationary sources.		
	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. (Rittberg)	<ul style="list-style-type: none"> • Tracked the vapor recovery system testing of 267 GDFs (~77% 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 2012; total population is ~348 facilities. (Rittberg)	<ul style="list-style-type: none"> • Conducted inspections at 95 regulated GDFs (~27% of regulated GDFs) 	<ul style="list-style-type: none"> • Ongoing
	f. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Perform site inspections at asbestos demolition/renovation sites. (Gomes/Griesa)	<ul style="list-style-type: none"> • Completed 453 site inspections (includes 9 revisits) during this period 	---
	6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate. (Wheeler/Postell/Morozowich)	<ul style="list-style-type: none"> • Conducted semi-monthly quality control (QC) audits of DMV emissions testing equipment • Conducted monthly overt quality assurance (QA) audits of the DMV technicians' performance • Performed annual covert QA audit of the DMV technicians' performance • Submitted final annual I/M report by 7/31/12 	---
NEW	7. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. "parking lot" surveillance). (Postell)	<ul style="list-style-type: none"> • Conducted 732 surveys of parking lots statewide (~61 lots/month) • 270 of 32,815 vehicles surveyed (~0.8%) found with expired vehicle tags 	<ul style="list-style-type: none"> • Ongoing

2012 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

2012	Identify options for reducing air toxics in the environment	12/31/12 Status	Expected Completion
	1. Continue to monitor federal activities associated with the new Lead NAAQS and communicate any EPA proposed actions/decisions impacting Delaware. (Frey)	• No activity required to date	• Ongoing
	2. Provide technical assistance on lightering operations to DAQ and Ozone Transport Commission, as needed. (Snead)	• Provided Permitting organization emission information regarding the lightering of gasoline and other refined products in support of a request for permit modification to lighter these cargos in addition to crude oil	• Ongoing
	3. Continue to support Division of Air Quality efforts to determine when to phase out Stage II requirements. (Rollo)	• Continued to participate at DAQ meetings in support of DAQ efforts on phase out of Stage 2	• Ongoing
	4. 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 (IAC) workgroup’s 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate. (Wheeler)	• Participated in monthly WILMAPCO Air Quality Subcommittee (AQS) meetings	• Ongoing
	b. Continue to provide comments and/or recommendations to the MPOs and DeIDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate. (Wheeler)	• Continued to provide Department’s priorities on funding projects at WILMAPCO AQS meetings	• Ongoing
	5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate. (Wheeler)	<ul style="list-style-type: none"> • Participated in MADC meeting • Evaluated and commented on submitted project candidates for DERA’s competitive grants • Presented power point presentation focused on Delaware’s DERA projects on a MADC-sponsored webinar on 11/13/12 	<ul style="list-style-type: none"> • Ongoing <li style="text-align: center;">- - - <li style="text-align: center;">- - -
	6. Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions. (Wheeler/Morozowich)	• Continued to review and comment on Preliminary Land Use Service (PLUS) applications	• Ongoing

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2012 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

2012	Identify options for reducing air toxics in the environment	12/31/12 Status	Expected Completion
	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 air toxics and incinerator standards.		
	i. Area source Prepared Feeds Manufacturing GACT Standard (Federal Sub DDDDDDD). (Snead)	• Completed review; no comments were necessary	- - -
	ii. Electric Arc Furnace MACT Standard (Federal Sub YYYYYY). (Snead)	• No EPA proposed rule to date	• Unknown
	iii. Industrial, Commercial & Institutional Boiler MACT Standard (Federal Sub DDDDD). (Snead)	• No <u>new</u> EPA proposed rule in 2012	• Unknown
	iv. Commercial and Industrial Solid Waste Incinerator Standard (Federal Sub CCCC). (Snead)	• No <u>new</u> EPA proposed rule in 2012	• Unknown
	b. Newly proposed federal residual risk standards.		
	i. Chromium Electroplating Standard (Federal Sub N). (Snead)	• EPA proposed on 2/8/12; no comments submitted (low priority)	- - -
	ii. Secondary Aluminum Production Standard (Federal Sub RRR). (Snead)	• EPA proposed on 2/14/12; no comments submitted (low priority)	- - -
	iii. Aerospace Manufacturing and Rework Facilities Standard (Federal Sub GG). (Snead)	• No EPA proposed rule to date	• Unknown
	iv. Petroleum Refineries Standard (Federal Sub CC). (Snead)	• No EPA proposed rule to date	• Unknown
	8. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.		
	a. Newly proposed amendments to federal air toxics and incinerator standards. (Foster)	• No activity this period	• Ongoing
	b. Newly proposed federal residual risk standards. (Foster)	• No comments submitted this period	• Ongoing
	9. Identify grant and funding opportunities.		
	a. Facilitate the identification, preparation and submission for transportation-related grants or other funding. (Wheeler)	• Submitted 2013 Diesel Emissions Reduction Act (DERA) grant application	• Ongoing
	10. Evaluate the need for the development of additional Source Category Permits to address air toxics issues. (Postell/Mood)	• No new candidates identified during this period	• Ongoing

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2012 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

2012	Identify options for reducing air toxics in the environment	12/31/12 Status	Expected Completion
	11. Identify Delaware appropriate options under the multi-state Transportation & Climate Initiative (TCI) to reduce greenhouse gases and air toxics from the transportation sector. (Gray)	<ul style="list-style-type: none"> • TCI “Freight” workgroup <ul style="list-style-type: none"> • Completed Phase 1 of freight study to identify regional freight flows and mitigation measures impacting emissions • Phase 2, to assess and quantify energy and environmental impacts directly related to freight flows, was on hold as anticipated Federal funding was not awarded • TCI “Sustainable Communities” workgroup <ul style="list-style-type: none"> • Identified Metrics/Indicators (M/I) to quantify impacts of climate on land use planning/policies • Commenced working with stakeholders to further develop and refine the individual M/I • Six of the 11 states began to explore how the M/I’s fit into their existing programs • TCI “Clean Vehicles & Fuels” workgroup <ul style="list-style-type: none"> • Completed outreach material on EVs designed for varied targets (employers, governments, etc.) • Outreach material are available on the TCI website • The TCI “Innovation, Communication & Technologies” (ICT) workgroup <ul style="list-style-type: none"> • Compiled a portfolio of smartphone APPs to assist EV users by providing real-time information on location of charging locations and reserving their use 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Unknown <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing • Ongoing <p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
	12. Reevaluate the “Smoking Vehicle Reduction Program” options.		
	a. Complete baseline testing of smoking vehicles program. (Morozowich/Gray)	<ul style="list-style-type: none"> • On hold during this period due to lack of funding and resources 	<ul style="list-style-type: none"> • Unknown
	b. Review baseline testing results and identify funding of program, if implementation is warranted. (Wheeler/Gray)	<ul style="list-style-type: none"> • On hold during this period due to lack of funding and resources 	<ul style="list-style-type: none"> • Unknown

2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Build greater understanding of ambient air toxics environment	12/31/12 Status	Expected Completion
	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. (Sarnoski)	<ul style="list-style-type: none"> • Twelve months of air toxics sampling successfully completed at both monitoring stations 	<ul style="list-style-type: none"> • Ongoing
	b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. (Frey)	<ul style="list-style-type: none"> • All validated results were submitted to EPA 	<ul style="list-style-type: none"> • Ongoing
	c. Continue to collaborate with University of Delaware on air toxics research and special projects. (Sarnoski)	<ul style="list-style-type: none"> • No air toxics related projects undertaken during this period 	<ul style="list-style-type: none"> • Ongoing
	d. Working in partnership with the University of Delaware, continue the Upper Air Profiler project, which will provide meteorological data to National Oceanic and Atmospheric Administration repository for potential use in air toxics modeling, etc. (Sarnoski)	<ul style="list-style-type: none"> • Submitted purchase order for approval to repair the upper air profiler; after repairs, the profiler will be relocated to the Lewes area 	<ul style="list-style-type: none"> • Ongoing
	e. Complete and issue the “Community Air Toxics Study” final report by 3/31/12. (Sarnoski)	<ul style="list-style-type: none"> • Initial CATS report issued to EPA Region 3 on 12/17/12 • Quality assurance and quality control of the data collected continues • Follow up CATS report 	<ul style="list-style-type: none"> --- • Ongoing • 1Q14
	f. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. (Sarnoski)	<ul style="list-style-type: none"> • Hired chemist to fill recently vacated position • Submitted purchase order for portable gas chromatographic system for air toxics study at Delaware City 	<ul style="list-style-type: none"> --- ---
	g. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities. (Sarnoski)	<ul style="list-style-type: none"> • Training of new personnel completed • Service contract was approved 	<ul style="list-style-type: none"> --- ---
	h. Undertake new or special monitoring needs that may surface. (Sarnoski)	<ul style="list-style-type: none"> • Completed all preparations for a new methyl bromide monitoring project in the communities around Port of Wilmington • Awaiting notification when fumigation activities will be undertaken 	<ul style="list-style-type: none"> --- • Unknown

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2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Build greater understanding of ambient air toxics environment	12/31/12 Status	Expected Completion
	2. Provide air toxics modeling support to meet community and internal needs. (Majeed)	<ul style="list-style-type: none"> • No air toxics modeling needs identified during this period • Contributed the modeling perspective to a DAQ’s air toxics initiative during August 2012 to develop an on-going process to reduce unacceptable public risk through risk identification, risk assessment, and implementation of appropriate control measures 	<ul style="list-style-type: none"> • Ongoing - - -
	3. Conduct “remote sensing” study to meet ozone State Implementation Plan requirements. (Morozowich)	<ul style="list-style-type: none"> • Received report for 2011 remote sensing study in February 2012; which was incorporated into the annual Inspection and Maintenance report on 7/31/12 • Received report for 2012 remote sensing study on 10/9/12; the report will be incorporated into the next annual Inspection and Maintenance report 	<ul style="list-style-type: none"> - - - • 7/31/13

2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Identify potential harm from exposure to air toxics	12/31/12 Status	Expected Completion
	1. Provide modeling support to Air Quality’s Community Air Toxics Study (CATS), pending the completion of the CATS. (Majeed)	• On hold pending completion of QA/QC validation of monitoring data	• 2013
	2. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed. (Majeed)	• Reviewed and performed modeling to support risk-based permit decisions on a permit application from a facility at the Port of Wilmington	• Ongoing
	3. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.		
	a. Analyze ultra-fine particle data collected by DNREC, University of Delaware, and Duke University. (Majeed)	• Completed preliminary analysis of ultra-fine particle data collected from MLK and Lewes monitoring stations and presented results to the CMAS Conference on 10/17/12	- - -
	b. Continue source apportionment analysis focusing on the air toxics of concern.		
	i. Contributions of mobile sources versus stationary sources, as resources become available. (Majeed)	• On hold pending availability of resources	• Unknown
	ii. Diesel particulate matter, as resources become available. (Majeed)	• On hold pending availability of resources	• Unknown
	iii. Residential wood stoves, as resources become available. (Majeed)	• On hold pending availability of resources	• Unknown
	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. (Fees)	• No requests received during this period	• Ongoing

2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Gather information related to air toxics sources	12/31/12 Status	Expected Completion
	1. Develop and submit the 2011 National Emission Inventory for HAPs by 12/31/12. (Fees)	<ul style="list-style-type: none"> • The 2011 HAPs emissions inventory for stationary sources was submitted to EPA’s Emission Inventory System (EIS) between 12/20/12 and 1/3/13 for inclusion into EPA’s National Emission Inventory (NEI) 	- - -
	2. Provide emissions inventory support to the air toxics education and reduction programs, as required. (Fees)	<ul style="list-style-type: none"> • No air toxics emissions inventory support requested during this period 	• Ongoing
	3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics, as needed. (Fees)	<ul style="list-style-type: none"> • No requests for information for air toxics of concern during this period 	• Ongoing
	4. By 12/12, 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. (Foster)	<ul style="list-style-type: none"> • No new or previously unidentified affected area source discovered during this period 	• Ongoing
	5. Until data entry problems with AFS (via DENs) are resolved, continue to improve the consolidated source data base by entering all new or previously unknown affected sources which are subject to Perchloroethylene Dry Cleaning standard (1138 Sect 5), Methylene Chloride Paint Stripping standard (1138 Sect 13), and Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15), as well as gasoline delivery vessels. (Mood/ Coverdale/Dossett/Gomes/Griesa)	<ul style="list-style-type: none"> • Continued to maintain and update manual database of affected Delaware sources 	• Ongoing
	6. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2012. (Rittberg)	<ul style="list-style-type: none"> • Submitted Semiannual Activities Report in April and October 	- - -
	7. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed. (Foster/ Postell/Mood)	<ul style="list-style-type: none"> • No newly promulgated area source standards in 2012 	• Ongoing
	8. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS). (Gomes/Griesa)	<ul style="list-style-type: none"> • Continued to <ul style="list-style-type: none"> • Edit the active user database • Provide data entry for new notifications 	• Ongoing

2012 Air Toxics Strategic Plan – Year-end Detailed Status Report

2012	Implement an ongoing program to address the risks from exposure to air toxic	12/31/12 Status	Expected Completion
	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 2011 individual Strategic Plans. (All)	• Completed on 2/17/12	---
	b. Track implementation and report year-end-status of the 2011 Air Toxics Strategic Plan by 3/31/12. (Snead)	• Completed on 3/12/12	---
	c. Review status and complete mid-year status report on the 2012 individual Strategic Plans. (All)	• Completed on 8/12/12	---
	d. Track implementation and report mid-year status on the 2012 Air Toxics Strategic Plan by 9/30/12. (Snead)	• Completed on 9/18/12	---
	e. Facilitate the development of a gap analysis within the elements of the strategic planning process and incorporate the results into the development of the 2013 Air Toxics Strategic Plan by 10/31/12. (Snead)	<ul style="list-style-type: none"> • ATSP participants established an on-going process comprised of risk identification, assessment, and control strategies over the summer of 2012 • ATSP participants incorporated activities to establish and implement the process into the 2013 ATSP, which was forwarded to management for feedback on 12/19/12 	<ul style="list-style-type: none"> • 1/31/13
	f. Updating of the Air Toxics Strategic Plan for 2013-2017		
	i. Review and revise, if needed, Air Toxics Area Source Program and timing, as part of the 2013 Air Toxics Strategic Plan by 10/12. (Snead)	• Completed on 11/27/12	---
	ii. Coordinate development of the 2013 Air Toxics Strategic Plan. (Snead)	• Completed on 12/10/12	---
	iii. Update individual Strategic Plans for 2013-2017. (All)	• Completed on 12/13/12	---
	iv. Update and finalize 2013 Air Toxics Strategic Plan for years 2013 to 2017 by 12/31/12. (Snead)	• Finalized on 12/31/12	---
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. (Snead)	• Participated on NACAA Air Toxics Committee's bimonthly calls	• Ongoing

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2012	Implement an ongoing program to address the risks from exposure to air toxic	12/31/12 Status	Expected Completion
NEW	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. (Chesser)	<ul style="list-style-type: none"> • Continued to participate with the National Small Business Assistance program 	- - -
	4. Continue participation on internal, local, regional, and national committees to identify air quality problems related to greenhouse gases, develop strategies, and identify DE solutions. (Gray)	<ul style="list-style-type: none"> • Continued to participate with the . . . • Regional Greenhouse Gas Initiative • Transportation & Climate Initiative • North America 2050 Partnership • Clean Cities/States Program • Clean Fuel Standard • NESCAUM LEV Workgroup 	• Ongoing
	5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions. (Snead)	<ul style="list-style-type: none"> • Completed participation on Value Stream Mapping of Reg. Development w/ design of the SAN electronic submittal in May 2012 	- - -
	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. (Foster)	<ul style="list-style-type: none"> • No air toxics-related realignments identified during this period 	• Ongoing
	7. Review and revise, if needed, air toxics area source activities and timing as part of the 2013 Air Toxics Strategic Plan by 12/12. (Foster/Postell/Rittberg)	<ul style="list-style-type: none"> • Completed the review and revisions on 12/10/12 	- - -
	8. Continue to evaluate and realign Area Source Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed. (Postell)	<ul style="list-style-type: none"> • Filled two vacant position in the Area Source Compliance group during 2Q12 • Completed training of new personnel during 4Q12 	• Ongoing

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2012	Air toxics resource development	12/31/12 Status	Expected Completion
	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. (Snead)	<ul style="list-style-type: none"> • No <u>new</u> EPA or regional air toxics training opportunities identified during this period • An internal air toxics training program on Section 14 (spray coating of misc. parts & products) is under preparation, but currently on hold • DAQ Management attended the MARAMA Air Toxics Workshop (8/21-22/12) 	<ul style="list-style-type: none"> • Ongoing • 2013 <li style="text-align: center;">- - -
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization. (Majeed)	<ul style="list-style-type: none"> • No air dispersion modeling programs or training offered during this period 	- - -
	c. Evaluate the need for air toxics-related training for staff and present, as needed. (Foster/Manson)	<ul style="list-style-type: none"> • Identified the need for training staff on Section 14 (Federal Sub 6Hs) applicability and other regulatory requirements versus VOC RACT requirements • Identified the need for training staff on the applicability requirements for the wide variety of area source standards promulgated by EPA and DAQ 	<ul style="list-style-type: none"> • 2Q/2013 • 2013
	d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff. (Foster)	<ul style="list-style-type: none"> • No new promulgation during this period 	<ul style="list-style-type: none"> • Ongoing
	2. Improve staff's ability to identify affected area sources by providing training on applicability requirements for air toxics area source standards adopted under 112(k).		
	a. Review and finalize the appropriate format for a staff training program on the applicability requirements of air toxics area source standards by 3/31/12. (Foster)	<ul style="list-style-type: none"> • ON HOLD; pending development of the training program 	<ul style="list-style-type: none"> • 2013
	b. Develop an air toxics educational program (presentation and educational materials) that facilitates the interpretation of the applicability requirements of area source standards adopted by EPA under Section 112(k) by 5/31/12. (Snead)	<ul style="list-style-type: none"> • No activity since initial work in 2011 (low priority) 	<ul style="list-style-type: none"> • Unknown
	c. Complete area source applicability training program by 6/30/12. (Foster)	<ul style="list-style-type: none"> • ON HOLD; pending development of the training program 	<ul style="list-style-type: none"> • 2013

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2012	Air toxics resource development	12/31/12 Status	Expected Completion
	3. Continue to assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources, including gasoline delivery vessels. (Mood/ Coverdale/Dossett/Gomes)	<ul style="list-style-type: none"> • Partially completed implementation; gasoline delivery vessels data now accessible in DENs • Implemented, during 3Q13, a recently developed cooperative arrangement with DNREC’s Groundwater Discharge Section to share results and information gathered during each program’s inspections of auto repair facilities 	<ul style="list-style-type: none"> • Ongoing <li style="text-align: center;">- - -
	4. Develop and implement mechanisms to improve air toxics communications.		
	a. Continue to implement newly found mechanisms to improve air toxics communications between branches. (Snead)	<ul style="list-style-type: none"> • Identified a new training for Permitting Organization • On 5/25/12, submitted a proposed training presentation providing both general air toxics information and essential Section 14 (coating of misc. parts & products) regulatory information 	<ul style="list-style-type: none"> • Unknown
	b. Continue to promote open communications between DNREC and small businesses on air toxics issues. (Chesser)	<ul style="list-style-type: none"> • Continued to address small business’s requests for information or assistance via direct contacts, telephone calls, and email 	- - -