

Delaware Division of Air Quality

2014

Air Toxics Strategic Plan Year-end Status

– Detailed Report –
(January through December 2014)



Delaware
Division of Air Quality
2014 – 2018 Air Toxics Strategic Plan

The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by the Division of Air Quality (DAQ) and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2014 - 2018 ATSP, finalized on December 23, 2013, is organized within the following strategic components.

- 1. Implement appropriate actions to reduce the harm from exposure to air toxics**
- 2. Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- 3. Identify options for reducing air toxics in the environment**
- 4. Build a greater understanding of ambient air toxics in the environment**
- 5. Identify the potential harm from exposure to air toxics**
- 6. Gather information related to air toxics sources**
- 7. Continue to grow the ongoing program to address the risks from exposure to air toxics**
- 8. Enhance DAQ Air Toxics Resources**

ACRONYMS

7 DE Admin. Code	Title 7 of the Delaware Administrative Code
AERMOD	An EPA Dispersion Model
AFS	EPA’s Air Facility System Database
AIRS - AQS	EPA’s Air Quality System Database
AQP	Air Quality Partnership
AQS/TAC	Air Quality Subcommittee of the Technical Advisory Committee
ATSP	Air Toxics Strategic Plan
BTEX	Benzene, Toluene, Ethyl benzene & Xylenes
CAA	Clean Air Act
CFR	Code of Federal Regulations
CMAQ	Congestion Mitigation and Air Quality Improvement Program
DAQ	Delaware Division of Air Quality
DCR	Delaware City Refinery
DE	Delaware
DelDOT	Delaware Department of Transportation
DELJIS	Delaware Criminal Justice Information System
DENs	Delaware Environmental Navigator
DMV	DelDOT’s Division of Motor Vehicles
DNREC	Delaware Department of Natural Resources and Environmental Control
DPH	Division of Public Health
DVRPC	Delaware Valley Regional Planning Commission
E&C	DAQ’s Engineering & Compliance Branch
EPA	U. S. Environmental Protection Agency
EPA R3	EPA’s Region 3 Office
EPA – RTP	EPA’s Research Triangle Park Facilities
FCEs	Full Compliance Evaluations
GACT	Generally Achievable Control Technology
GDF	Gasoline Dispensing Facility
GDV	Gasoline Delivery Vessel
MACT	Maximum Achievable Control Technology
MADC	Mid Atlantic Diesel Collaborative
MPO	Metropolitan Planning Organization
NACAA	National Association of Clean Air Agencies
NATA	National Air Toxics Assessment
NEI	EPA’s National Emissions Inventory
NESCAUM LEV	Northeast States for Coordinated Air Use Management’s Low Emission Vehicle workgroup
NOAA	National Oceanic and Atmospheric Administration
OTC	Ozone Transport Commission
PVC	Polyvinyl chloride
QA/QC	Quality Assurance and Quality Control
SOPs	Standard Operating Procedures
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WILMAPCO	Wilmington Area Planning Council
WTS	Gas Chromatograph manufacturer

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2014	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/14 Status	Expected Completion
NEW	1. Administer Programs that promote the implementation of mobile source diesel emission reduction projects.		
	a. Diesel Emission Reduction Act Federal Grant Program.		
	i. State Grant (EPA FY13) – Complete the Delaware Bay Launch Services motor replacement project by 9/30/14.	<ul style="list-style-type: none"> • Completed by May 20 • Final report sent to EPA on Dec. 18 	- - -
	ii. Competitive Grant (EPA FY14) – Support MARAMA’s grant at the Port of Wilmington.	<ul style="list-style-type: none"> • Assisted MARAMA in preparation of competitive grant request • Grant was awarded in 4Q14 	<ul style="list-style-type: none"> • In 2015 ATSP
	iii. Continue to identify potential vehicles/projects for diesel emission reduction.	<ul style="list-style-type: none"> • A Notice of Intent to Participate for DERA 2014 grant was submitted on Apr. 21 • EPA awarded a grant; funding to be provide by Oct. 1 • A Memorandum of Understanding was written in 4Q14 	<ul style="list-style-type: none"> • Ongoing
	b. USEPA’s SmartWay Transport programs		
	i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.	<ul style="list-style-type: none"> • 1Q14 data received from vendor on June 10 	<ul style="list-style-type: none"> • Ongoing
	ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.	<ul style="list-style-type: none"> • Participated in planning discussions with WILMAPCO and Transportation & Climate Initiative (TCI) on the “Freight Management Summit” to be held on Aug. 6 • Attended the “Freight Management Summit” on Aug. 6 • Attended the DelMarVa Freight Advisory workgroup meeting on Dec. 3 	<ul style="list-style-type: none"> • Ongoing
	c. Implement projects to reduce emissions from the transportation sector.		
	i. Facilitate the implementation of the selected Delaware appropriate transportation sector options, if resources can be identified.	<ul style="list-style-type: none"> • No activity during this period 	Resource-limited
ii. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.	<ul style="list-style-type: none"> • No activity during this period 	Resource-limited	

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2014	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/14 Status	Expected Completion
	2. Insure continued or improved compliance of stationary sources.		
	d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.	<ul style="list-style-type: none"> • One (1) enforcement actions was taken for non-compliance with vapor recovery requirements during this period; two respondents were addressed in this action 	<ul style="list-style-type: none"> • Ongoing
	e. 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"> • Completed incorporation of <ul style="list-style-type: none"> • PVC MACT requirements into the Formosa permit renewal on Jan. 17 • Boiler MACT requirements into Calpine permit renewal on Apr.2 	<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 1130, as needed.	<ul style="list-style-type: none"> • No need to reopen a permit was identified during this period 	<ul style="list-style-type: none"> • Ongoing
	f. Incorporate area source standard requirements into natural and synthetic minor source permits, including		
	i. All new installations that are subject to area source standards in Reg. 1138.	<ul style="list-style-type: none"> • No applicable permit applications received this period 	<ul style="list-style-type: none"> • Ongoing
	ii. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.	<ul style="list-style-type: none"> • No applicable permit applications received this period 	<ul style="list-style-type: none"> • Ongoing
	iii. All existing prepared feed manufacturing facilities subject to requirements of Reg. 1138 Section 17 by 12/14.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • 12/15
	iv. IKO to include asphalt processing and asphalt roofing products manufacturing operations requirements in Reg. 1138 Section 16 by 12/14.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • 12/15
	v. Standard Engineering to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 and the plating and polishing operations requirements in Reg. 1138 Section 10 by 12/14.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • 12/15
	vi. Industraplate to include plating and polishing operations requirements in Reg. 1138 Section 10 by 12/14.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • 12/15
	vii. Procino Plating to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 by 12/14.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • 12/15
	viii. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).	<ul style="list-style-type: none"> • One new dry cleaning facilities identified during this period; permit under development 	<ul style="list-style-type: none"> • Ongoing

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	2. Insure continued or improved compliance of stationary sources.		
	f. Incorporate area source standard requirements into natural and synthetic minor source permits, including		
	ix. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).	<ul style="list-style-type: none"> • No unpermitted existing dry cleaning facilities identified during this period 	<ul style="list-style-type: none"> • Ongoing
	x. New sources subject to motor vehicle and mobile equipment methylene chloride paint stripping and surface coating standards (1138 Sect 13 and Sect 15).	<ul style="list-style-type: none"> • One new auto-body shop identified during this period; permit under development 	<ul style="list-style-type: none"> • Ongoing
	xi. Newly identified existing sources subject to motor vehicle and mobile equipment methylene chloride paint stripping and surface coating standards (1138 Sect 13 and Sect 15).	<ul style="list-style-type: none"> • Two unpermitted existing auto-body shops identified during this period; permits under development 	<ul style="list-style-type: none"> • Ongoing
	g. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.	<ul style="list-style-type: none"> • Continued to review and approve, if appropriate, Stage I and Stage II permit applications • During this period, approved the following: <ul style="list-style-type: none"> • 15 construction permits for 10 facilities and • 27 operating permits for 18 facilities • Completed a thorough review of the three internal standard operating procedures (SOPs) for issuing permit and revised the SOPs to <ul style="list-style-type: none"> • Establish smoother paper flow through the approval process, • Ensure timely processing, and • Maintain the integrity of the permit database 	<ul style="list-style-type: none"> • Ongoing • Ongoing <p style="text-align: center;">- - -</p>
	h. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for		
	i. Sources subject to the motor vehicle and mobile equipment methylene chloride paint stripping and surface coating standards (1138 Sect 13 and Sect 15); total population is 67 facilities.	<ul style="list-style-type: none"> • Completed 59 compliance assistance visits; some facilities required multiple visits 	<ul style="list-style-type: none"> • Ongoing
	ii. Sources subject to the perchloroethylene dry cleaning standard; total population is 50 facilities (1138 Sect 5).	<ul style="list-style-type: none"> • Completed 72 compliance assistance visits; some facilities required multiple visits 	<ul style="list-style-type: none"> • Ongoing

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	3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.		
	a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.	<ul style="list-style-type: none"> • No areas or conditions of unacceptable air toxics impacts surfaced during this period 	<ul style="list-style-type: none"> • Ongoing
	b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.	<ul style="list-style-type: none"> • No areas or conditions of unacceptable air toxics risk identified during this period 	<ul style="list-style-type: none"> • Ongoing
	c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.	<ul style="list-style-type: none"> • No incidences of unacceptable risk were identified during 2014 	<ul style="list-style-type: none"> • Included in 2015 ATSP
	d. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.	<ul style="list-style-type: none"> • No areas or conditions of unacceptable air toxics risk identified during this period 	<ul style="list-style-type: none"> • Ongoing
	4. Implement other air toxics-related communications and outreach programs.		
	a. Continue to implement a diesel anti-idling educational program.		
	i. Conduct School Bus anti-idling outreach programs for schools and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Presented Christina school district an anti-idling award on Aug. 19 • Attended community leadership meetings sponsored by Nemours Foundation 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
	ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • No outreach conducted during this period 	<ul style="list-style-type: none"> • Ongoing
	b. Actively promote the development and implementation of educational programs.		
	i. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP).	<ul style="list-style-type: none"> • No joint activity during this period • Independently, DAQ provided Delawareans the daily Air Quality forecasts 	<ul style="list-style-type: none"> • 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.		
	ii. Continue working with the AQP on a character branding project targeted to elementary school students.	<ul style="list-style-type: none"> • The contractor completed the character (Tropo) and the skit for the performances • Tropo was debuted during <ul style="list-style-type: none"> • Air Quality Awareness event at Rodney Square in Wilmington on Apr. 22 and • Dover Days on May 3 • Tropo participated in the following outreach programs <ul style="list-style-type: none"> • Delaware State Fair on July 22 and 24 • Delaware Coast Day on Oct. 5 	- - -
	1. Complete 3 outreach programs in elementary schools (one per county) that utilize the branded character to communicate the air quality message to its students.	• No activity during this period	• In 2015 ATSP
	2. Identify funding to sustain the branded character educational program beyond 2014.	• The topic has been discussed at Air Quality Partnership meetings with no solution proposed	• Ongoing
	iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.		
	1. Delaware Envirothon.	<ul style="list-style-type: none"> • The 2014 Envirothon was held at Coverdale Farms on April 11 • Air was represented as an Environment for this activity 	- - -
NEW	2. Delaware 2015 Envirothon.	• Began preparations for a 'mobile source' focused theme for next year's Envirothon on Sep. 23	• 2Q15
	3. Delaware State Fair.	<ul style="list-style-type: none"> • Conducted public outreach program focusing on the Air Quality Index and DAQ's Moveable Monitoring Platform from July 17 to 26 in Harrington • Tropo participated in this outreach on Kids Day and Governor's Day, July 22 and 24, respectively 	- - -

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	4. Implement other air toxics-related communications and outreach programs		
	b. Actively promote the development and implementation of educational programs.		
	iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.		
	4. Delaware Coast Day.	<ul style="list-style-type: none"> • Conducted public outreach program focusing on the Air Quality Index and DAQ's Moveable Monitoring Platform on Oct. 5 in Lewes • Tropo also participated in this outreach 	- - -
	5. Other opportunities, as identified.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • Ongoing
	c. Continue to participate in Claymont Coalition meetings.	<ul style="list-style-type: none"> • Continued participation in the Claymont coalition, when needed 	<ul style="list-style-type: none"> • Ongoing
	d. Continue to improve compliance with Delaware's open burning requirements.		
	i. Continue to educate the public on Delaware's open burning restrictions.	<ul style="list-style-type: none"> • Updated education information for use by the Environmental Protection Officers • Continued to provide regulatory interpretation to public inquiries on a case-by-case basis 	<ul style="list-style-type: none"> • Ongoing
	ii. Implement a reconnaissance process to identify and deter potential open burning activities.	<ul style="list-style-type: none"> • Five interventions resulted through neighborhood watch programs and other reporting 	<ul style="list-style-type: none"> • Ongoing
	iii. Continue to provide non-compliance prevention guidance for open burning activities.	<ul style="list-style-type: none"> • Responded to 452 call during the period • Continued to share recently developed education material with public 	<ul style="list-style-type: none"> • Ongoing
	iv. Approve, if appropriate, notifications submitted for open burning.	<ul style="list-style-type: none"> • Approved 100 notifications during this period 	<ul style="list-style-type: none"> • Ongoing
	e. Continue to improve the Area Source Compliance's outreach/communication programs by incorporating needed changes or additions.	<ul style="list-style-type: none"> • No other changes to the website required, other than problems associated with the migration 	<ul style="list-style-type: none"> • Ongoing

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	5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.		
	a. Continue to develop and improve the DAQ's web site to include a better focus on air toxics content.	<ul style="list-style-type: none"> • The DAQ website has been redesigned to incorporate a more streamlined navigation to the site • A customer feedback mechanism was added to improve the site to meet customers' needs 	• Ongoing
	b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of new air toxics standards.	<ul style="list-style-type: none"> • No new area source rules were proposed or finalized during this period, which would necessitate updating the website 	- - -
	c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ's web site.	<ul style="list-style-type: none"> • Revised and updated DAQ's Air Toxics Strategic Plan website to provide the public with information on <ul style="list-style-type: none"> • The completion of key activities during 2013 and the status of other ongoing activities to reduce the impact of air toxics on Mar. 17 • The mid-year status (June 30) of activities underway under the 2014 Air Toxics Strategic Plan on Sept. 19 	- - -
	d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.	<ul style="list-style-type: none"> • Cleaned up and corrected Area Source Compliance's new webpages following migration to a new platform and completing the annual review of Area Source Compliance webpages 	• Ongoing
NEW	e. Provide pertinent information useful to businesses (i.e. regulatory, permitting, compliance assistance, costs, etc.) associated with asbestos demolition and renovation activities, dry cleaning facilities, auto-body shops, and gasoline delivery vessels for incorporation into the Small Business Assistance Program website. http://www.dnrec.delaware.gov/SBA/Pages/Default.aspx	<ul style="list-style-type: none"> • Submitted compliance assistance information associated with asbestos demolition and renovation, which was incorporated into the current Tier 1 website • Submitted a variety of information, including relevant links, associated with dry cleaning operations, auto-body shops, and gasoline delivery vessels on Nov. 26, which will be included in a future update to the website 	- - -

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	6. 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 9/30/14, if required.	<ul style="list-style-type: none"> • No new area source rules were proposed or finalized during this period, which would necessitate updating the inventory 	- - -
	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 by 10/31/14.	<ul style="list-style-type: none"> • Completed final tweaks on Risk Reduction Strategic Plan on Dec. 15 	- - -
	c. Update the Area Source Program – Implementation Plan by 10/31/14, if needed.	<ul style="list-style-type: none"> • Completed the update of the Implementation Plan and incorporated into the 2015 Air Toxics Strategic Plan on Dec. 3 • Revised and finalized the 1138 regulatory activity for the 2015 – 2019 in the 2015 ATSP on Dec. 15, based on the EPA’s reconsideration announcements in mid-December 	- - -
	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	a. Adopt the Federal Sub CCCCCC area source requirements applicable to stage I gasoline dispensing facilities that <u>dispense gasoline only to nonroad vehicles or engines</u> into Section 18 of Regulation 1138.	<ul style="list-style-type: none"> • Prepared and submitted the appropriate regulatory language for adopting Sub CCCCCC requirements applicable to gasoline dispensing facilities that only dispense gasoline to nonroad vehicles and engines as Section 18 of Regulation 1138 • Adoption of Sub CCCCCC into Regulation 1138 was put on hold due to higher priority regulatory action associated with the decommissioning of Stage II vapor recovery systems at gasoline dispensing facilities 	• To be determined

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2014	Implement appropriate actions to reduce the harm from exposure to air toxics	12/31/14 Status	Expected Completion
	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	b. Adopt the Federal Sub CCCCCC area source requirements applicable to stage I gasoline dispensing facilities that <u>dispense gasoline to motor vehicles or engines</u> into Sections 26 and 27 of Regulation 1124.	<ul style="list-style-type: none"> • Prepared and submitted the appropriate regulatory language for adopting Sub CCCCCC requirements applicable to gasoline dispensing facilities that only dispense gasoline to on-road vehicles and engines as Sections 26 and 27 of Regulation 1124 • Adoption of Sub CCCCCC into Sections 26 and 27 of Regulation 1124 was put on hold due to higher priority regulatory action associated with the decommissioning of Stage II vapor recovery systems at gasoline dispensing facilities 	<ul style="list-style-type: none"> • To be determined
	c. Adopt the Federal Sub RRR residual risk and technology development requirements applicable to secondary aluminum production facilities into Section 12 of Regulation 1138.	<ul style="list-style-type: none"> • On hold, as finalization of the federal rule has been delayed into 2015 	<ul style="list-style-type: none"> • 2Q16
NEW	d. Amend Section 36 of 7 DE Admin. Code 1124 requirements applicable to Stage II vapor recovery controls at gasoline dispensing facilities (GDFs).		
NEW	i. Continued research into amending Section 36 of 7 DE Admin. Code 1124 to provide for the decommissioning of Stage II vapor recovery controls at GDFs and establishing alternate requirements to ensure GDFs are well controlled.	<ul style="list-style-type: none"> • Conducted regulatory workgroup meetings on Apr. 9 and June 25 • Conducted vendor review meeting on Feb. 26, Apr. 17, and Apr. 23 	---
NEW	ii. Publish proposed amendment by 3Q/14.	<ul style="list-style-type: none"> • Provided final working draft of proposed regulatory revision to the workgroup on June 20 • Proposed amendment published in the DE Register of Regulation on Aug. 1 	---
NEW	iii. Conduct public hearing by 3Q/14.	<ul style="list-style-type: none"> • Public hearing conducted on Aug. 28 	---
NEW	e. Adopt the Federal Sub VVVVVV area source requirements applicable to chemical manufacturing facilities into Regulation 1138.	<ul style="list-style-type: none"> • In August, the adoption was placed on hold until 1Q15, when it was concluded that the federal Sub VVVVVV language deviated significantly from DAQ's normal regulatory approach for using more inclusive requirements 	<ul style="list-style-type: none"> • 3Q/16

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NEW	7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.		
	f. Revise existing and develop new control strategies, as needed.		
	i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2014.	<ul style="list-style-type: none"> • Only one federal rulemaking was finalized in 2014 that affect Delaware sources • On Feb. 27, the EPA finalized revisions to test methods and monitoring requirements affecting source subject to Sections 6 and 12 of Reg. 1138 • This revision was incorporated into the 1138 regulatory activity for the 2015 – 2019 in the 2015 ATSP on Dec. 15 	- - -
	ii. Develop path forward for residual risk standards applicable area sources finalized in 2014.	<ul style="list-style-type: none"> • No new area source RTR standards were finalized in 2014 	- - -
	iii. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.	<ul style="list-style-type: none"> • No incidences of unacceptable risk were identified during 2014 	• Included in 2015 ATSP
	iv. Submit a State Plan for commercial and industrial solid waste incineration (CISWI) units under 40 CFR Part 60 Subpart 4Ds or a Negative Declaration by 2/7/14.	<ul style="list-style-type: none"> • Completed the required declaration statement, which was submitted to the EPA on Jan. 8 	- - -
	8. Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.	<ul style="list-style-type: none"> • Recommended improvements were incorporated into the annual I/M report that was submitted on Jul. 31 	- - -
9. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.	<ul style="list-style-type: none"> • No deficiencies or needs identified during this period 	- - -	

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	10. Continue to provide air toxics-related support to State through . . .		
	a. Reviewing of air permits.	<ul style="list-style-type: none"> • No requests this period 	- - -
	b. Providing current regulatory interpretations.	<ul style="list-style-type: none"> • Provided regulatory interpretations on the following: <ul style="list-style-type: none"> • Applicability of Delaware lightering regulatory requirements to potential reverse lightering operation from DCR on April 22 • Impact of Appeals Court vacatur of EPA’s affirmative defense provisions on April 24 • Applicability of federal Subpart 6Cs & DE Section 26 for the reconstruction of gasoline dispensing facilities with a throughput <10,000 gallons/month 	- - -
	c. Advising on likely future trends and actions.	<ul style="list-style-type: none"> • Provided relevant air toxics information concerning the publishing of EPA’s final amendments to numerous air toxics performance testing requirements and test methods on Feb. 27 	- - -
	d. Providing technical support, as needed.		
	i. Provide air toxics-related technical support for amending Sections 36 of Regulation 1124 applicable to the decommissioning Stage II vapor recovery systems at gasoline dispensing facilities.	<ul style="list-style-type: none"> • Worked with Tanks Management database expert to provide information on Delaware GDF owners and operators on Feb. 6 • Provided comments and recommendations on draft amendments • Identified/provided a screening methodology/tool for estimating cancer risk associated with decommissioning of Stage II at GDF 	- - - - - - - - -

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	10. Continue to provide air toxics-related support to State through . . .		
	d. Providing technical support, as needed.		
	ii. Provide air toxics support to other DAQ projects and issues.	<ul style="list-style-type: none"> • Provided reporting and other compliance assistance tools on Feb. 5 to assist the permitting of Dassault Falcon under Section 14 of Reg. 1138 • Researched and provided requested background information on the 2001 vs. 2007 versions of the Mobile Source Air Toxics Standards on Mar. 12 and Mar. 14 • Reviewed and provided comments on the solvent cleaning and lightering elements in the ozone State Implementation Plan revision draft on Apr. 8 	<p>---</p> <p>---</p> <p>---</p>

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2014	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/14 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.	• Completed 12 months of successful sampling at both monitoring stations	• Ongoing
	2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.	• No requests for information for air toxics of concern received during this period	• 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.	• No activity this period	• In 2015 ATSP
	4. 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 2014-15 Compliance Monitoring Plan (CMP).	• Completed 8 FCEs (BASF, Calpine-Edgemoor, DCR, DCR Terminal, Hirsh Industries, Indian River, Justin Tanks, & Sunoco)	• 9/15
	b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:		
	i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2014-15 timeframe.	• No FCEs completed during this period	• 9/15
	ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2014-15 timeframe.	• No FCE completed, as facility has removed solvent degreaser and requested cancellation of permit	---
	iii. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2014-15 timeframe.	• No FCE completed during this period	• 9/15
	iv. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2014-15 timeframe.	• Completed FCEs at all 3 landfills during 2014	---
	v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2014-15 timeframe.	• No FCE completed during this period	• 9/15
	vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2014-15 timeframe.	• No FCE completed during this period	• 9/15
	vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2014-15 timeframe.	• No FCEs completed during this period	• 9/15
	viii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2014-15 timeframe; total potential population is ~25 facilities.	• Completed FCE at one facility during 2014	• 9/15
	ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, covered during the 2014-15 timeframe.	• No FCE completed during this period	• 9/15
	x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2014-15 timeframe.	• No FCE completed during this period	• 9/15

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2014	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/14 Status	Expected Completion
	4. 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:		
	xi. The 1 gasoline distribution operation, subject to Federal Sub BBBBBB, covered during the 2014-15 timeframe.	• Completed FCE at the 1 facility during 2014	- - -
	xii. The 2 chemical manufacturing operations, subject to Federal Sub VVVVVV, covered during the 2014-15 timeframe.	• No FCEs completed during this period	• 9/15
	xiii. The 5 prepared feed manufacturing facilities, subject to Reg. 1138 Section 17, covered during the 2014-15 timeframe.	• No FCEs completed during this period	• 9/15
	xiv. Other area source air toxics standards covered during the 2014-15 timeframe.	• Completed FCEs at 4 facilities during 2014	• 9/15
	c. By 9/14, perform compliance evaluations (CE) at area air toxics sources as follows:		
	i. 50% or ~25 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is 50 facilities.	• Completed 20 compliance evaluations (or 40% of current population) during this period	• Ongoing
	ii. 50% or ~34 motor vehicle and mobile equipment methylene chloride paint stripping and surface coating facilities subject to 1138 Sect 13 and 1138 Sect 15; total population is 67 facilities.	• Completed 4 compliance evaluations (or ~6% of current population) during this period	• Ongoing
	iii. 10% or ~66 gasoline delivery vessels; total population is ~660 facilities.	<ul style="list-style-type: none"> • Performed perceptible leak tests on 21 GDVs during delivery transfers at gasoline stations (or ~3% 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 • Ongoing
	d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system.	• Tracked 362 tests of the vapor recovery systems at 302 GDFs (~89% of current GDFs)	- - -
	e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2014; total population is ~339 facilities.	• Completed inspections at 118 regulated GDFs (~35% of regulated GDFs)	- - -
	f. Continue to implement the Asbestos Demolition/Renovation Program.		
	i. Perform site inspections at asbestos demolition/renovation sites.	• Completed inspection of 440 sites; many of these sites required multiple visits during this period	• Ongoing

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics	12/31/14 Status	Expected Completion
	5. Conduct annual “remote sensing” studies to meet ozone State Implementation Plan requirements.	<ul style="list-style-type: none"> • Completed remote sensing studies on Dec. 12 • Final report will be completed in March 2015 	<p>---</p> <ul style="list-style-type: none"> • 1Q15
	6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.	<ul style="list-style-type: none"> • Continued to conduct QA/QC performance audits of DMV motor vehicle technicians and emissions testing equipment • Submitted the Annual I/M report on July 31 	<ul style="list-style-type: none"> • Ongoing <p>---</p>
	7. Review existing educational information on mobile source emission/impacts and develop a communication plan to address the key issues for Delaware.	<ul style="list-style-type: none"> • Completed the installation of the vehicle “wrap” with DAQ’s branded message design on the moveable monitoring platform in May • Participated in the State Fair outreach event – July 17 - 26 	Resource-limited
	8. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data).	<ul style="list-style-type: none"> • Submitted the Annual I/M report on July 31 	---
NEW	9. Audit and evaluate waivers issued by DelDOT.	<ul style="list-style-type: none"> • Completed audit in 2014 	<ul style="list-style-type: none"> • Ongoing

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Identify options for reducing air toxics in the environment	12/31/14 Status	Expected Completion
	1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts.		
NEW	a. Participate in DAQ’s risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts.	<ul style="list-style-type: none"> • No areas or conditions of unacceptable air toxics risk identified during 2014 	<ul style="list-style-type: none"> • Ongoing
NEW	b. Participate in the development of DAQ’s priority initiatives (i.e. Climate, Communities, Mobile Sources, etc.) and incorporate identified air toxics-related activities in the ATSP, when the development is finalized.	<ul style="list-style-type: none"> • Participated in the initial Mobile Source meeting on Nov. 12 and/or the initial Community meeting on Nov. 20 	<ul style="list-style-type: none"> • In 2015 ATSP
NEW	c. Participate in the development of the ‘Community Priority Project’ and incorporate identified regulatory activities into the Air Toxics Strategic Plan, when project development is finalized.	<ul style="list-style-type: none"> • Participated in the preliminary DAQ Priorities Introductory meeting on Sept. 19 and the initial “Community Priority” meeting on Nov 20 • Provided “Community Priority” committee with follow-up information on open issues, including: <ul style="list-style-type: none"> • Background on census tracts, census groups, and census blocks, to assist in defining what a ‘community’ might mean and • Background information on DNREC’s complaint data base and its current inability to quantify and differentiate “quality of life” (i.e., odors, dust, etc.) concerns across various communities 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
	2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.	<ul style="list-style-type: none"> • Participated on the NACAA Air Toxics Committee bimonthly call and reported on the following: <ul style="list-style-type: none"> • The EPA’s development plan and schedule for the 2011 NATA study on Feb. 16 • The EPA’s review of 3 proposed RTR rules including the petroleum refinery RTR rule on Aug. 6 • The EPA’s preview of their 2nd Urban Air Toxics Report to Congress on Oct. 9 • The EPA’s presentation and status update for the 2011 NATA study on Dec 4 	<p style="text-align: center;">- - -</p>

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Identify options for reducing air toxics in the environment	12/31/14 Status	Expected Completion
	3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify DE solutions.		
	a. Regional Greenhouse Gas Initiative.	• Continued to actively participate	• Ongoing
	b. Transportation & Climate Initiative.	• Continued to actively participate	• Ongoing
	c. North America 2050 Partnership.	• Continued to actively participate	• Ongoing
	d. Clean Cities/States Program.	• Continued to actively participate	• Ongoing
	e. Mid-Atlantic Regional Air Management Association.	• Continued to actively participate	• Ongoing
	f. National Association of Clean Air Agencies.	• Continued to actively participate	• Ongoing
	g. Clean Fuel Standard.	• Continued to actively participate	• Ongoing
	h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups.	• Continued to actively participate	• Ongoing
	i. Ozone Transport Commission.	• Continued to actively participate	• Ongoing
	4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.	• Continued to support TCI conference calls and meetings, as scheduled	• Ongoing
	5. Continue to participate on the OTC Mobile Source Committee developing the following model rules:		
	a. Aftermarket catalytic converters.	<ul style="list-style-type: none"> • Model rule was adopted by the OTC on June 10 • The OTC sent a letter to the EPA Administrator requesting that the EPA prioritize the updating of the Federal aftermarket catalytic converter policy, which was last published Aug. 1986 	• 4Q15
	b. Heavy-duty diesel inspection and maintenance (I/M) programs.	• Continued to follow OTC development of model rule	• Unknown
	6. 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.	• Continued to attend MPO AQS/TAC meetings as scheduled	• Ongoing
	b. Continue to provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.	<ul style="list-style-type: none"> • Continued to attend MPO AQS/TAC meetings as scheduled • Continued to look for projects that CMAQ funding could be used 	• Ongoing

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Identify options for reducing air toxics in the environment	12/31/14 Status	Expected Completion
	7. Reevaluate the “Smoking Vehicle Reduction Program” options.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • Ongoing
	8. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide and incorporate a medium-duty diesel vehicle I/M program.	<ul style="list-style-type: none"> • Developed and quantified emissions for multiple statewide scenarios • Additional statewide scenarios were evaluated based on the feedback received on the initial scenario results 	<p style="text-align: center;">- - -</p> <ul style="list-style-type: none"> • Ongoing
	9. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.	<ul style="list-style-type: none"> • Participated in the MADC webinars on Apr. 22 and Oct. 30 	<ul style="list-style-type: none"> • Ongoing
	10. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.	<ul style="list-style-type: none"> • Continued to review and provide comment on Land Use applications (PLUS, QOL, and TAC submittals) 	<ul style="list-style-type: none"> • Ongoing
	11. 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.		
	<p>a. Newly proposed amendments to federal air toxics and incinerator standards.</p>	<ul style="list-style-type: none"> • The EPA proposed 2 new air toxics standards and 2 amendments to existing standard that were applicable to major and/or area sources during 2014 • All proposals were reviewed • Determined no actions were necessary • Determined that no action was necessary as no proposed new or amended incinerator affected sources in Delaware 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Identify options for reducing air toxics in the environment	12/31/14 Status	Expected Completion
	13. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities.	<ul style="list-style-type: none"> • Provided the following information and support to assist DAQ's decommissioning strategy development and path forward: <ul style="list-style-type: none"> • Ensuring the selected technology meets the needs of the plan • Ensuring that regulatory requirements are . . . <ul style="list-style-type: none"> • Easy to understand, • Enforceable, and • Protective of the environment • Participated in DAQ's two 2014 Stage II regulatory workgroup meetings • Participated in DAQ's four vendor review meetings 	<ul style="list-style-type: none"> • Ongoing
	14. Provide technical assistance on lightering operations to DAQ, as needed.	<ul style="list-style-type: none"> • Provided background and other pertinent information on lightering to assist the projection of its estimated VOC emissions in 2017 • Provided applicability of Delaware lightering regulatory requirements to potential reverse lightering operation from DCR on April 22 	<p style="text-align: center;">- - -</p> <p style="text-align: center;">- - -</p>

2014 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

2014	Build greater understanding of ambient air toxics environment	12/31/14 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.	<ul style="list-style-type: none"> • Completed 12 months of successful sampling 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.	<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.	<ul style="list-style-type: none"> • No air toxics related projects were 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 NOAA repository for potential use in air toxics modeling, etc.	<ul style="list-style-type: none"> • The profiler information is now available on the NOAA site and is part of the Air webpage. The Air site is: http://www.dnrec.delaware.gov/Air/Pages/Air-Quality-Monitoring-Homepage.aspx • The 10-meter tower data is also available on this page and is part of the Delaware Environmental Observation System (DEOS) 	<ul style="list-style-type: none"> • Ongoing
	e. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.	<ul style="list-style-type: none"> • Identified funding and staffing to support VOC analyses using sorbent tube technology 	<ul style="list-style-type: none"> • Ongoing
	f. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities.	<ul style="list-style-type: none"> • Funding and staffing available to support the laboratory's gas chromatographic mass spectrometer platform 	- - -
	g. Undertake new or special monitoring needs that may surface.		
	i. Undertake air toxics (i.e. BTEX) monitoring project at the Delaware City Refinery (DCR) monitoring station.	<ul style="list-style-type: none"> • The planned use of the WTS field gas chromatograph was cancelled; its use will be replaced by sorbent tube technology • Started up air toxics monitoring project at the DCR using the sorbent tube technology during July 	<ul style="list-style-type: none"> <li style="text-align: center;">- - - • 2015

2014 Air Toxics Strategic Plan – Year-end *Detailed* Status Report

2014	Build greater understanding of ambient air toxics environment	12/31/14 Status	Expected Completion
NEW	1. Determine ambient air toxics concentrations for selected HAPs in Delaware.		
	g. Undertake new or special monitoring needs that may surface.		
	ii. Undertake air toxics monitoring projects using the mobile monitoring platform where modeling results predict high concentrations or where the public has expressed concern.		
	1. Obtain and test the WTS field gas chromatograph by 1Q14.	<ul style="list-style-type: none"> • Received and completed systems testing in Mar. 2014 	- - -
	2. Install the field gas chromatograph in the DCR monitoring station by 1Q14.	<ul style="list-style-type: none"> • Completed the installation of the WTS field gas chromatograph into Movable Monitoring Platform for studies in local communities around the DCR in March 	- - -
	3. Continue to pursue a collaborative program with EPA – RTP to evaluate an alternative gas chromatographic technology through side-by-side operation with the WTS monitor.	<ul style="list-style-type: none"> • Project was cancelled, due to lack of personnel and funding to run equipment 	- - -
	4. Begin monitoring BTEX concentrations in a Delaware City community in the vicinity of the DCR fuel unloading operations during 3Q14.	<ul style="list-style-type: none"> • Identified a community to monitor air toxics concentrations associated with the emissions from diesel locomotives delivering crude oil to the DCR fuel unloading operation in June • Commenced monitoring on Nov. 7 	- - - • 2015
	2. Provide air toxics modeling support to meet community and internal needs.	<ul style="list-style-type: none"> • No requests for air toxics modeling support received during this period 	• Ongoing
	3. Provide air toxics modeling support to the Planning Branch by determining benzene risk for two different control technology options associated with the proposed decommissioning of Stage II vapor recovery at gasoline dispensing facilities.	<ul style="list-style-type: none"> • Using Planning Branch’s emission estimates, the EPA’s AERMOD dispersion model, and DPH’s risk assessment procedures, mapped out drafts of the incremental benzene cancer risk associated with the initial two scenarios on Dec. 2 	• 1Q15
	4. Develop and implement a strategy for branding DAQ’s message.		
a. Develop a strategy to define and brand DAQ’s message.	<ul style="list-style-type: none"> • Completed a major branding activity by presenting two DAQ themes in the messaging of the moveable monitoring platform <ul style="list-style-type: none"> • “Monitoring the Air Because We Care” and • “Blue Skies Now and Tomorrow” 	- - -	
b. Incorporate DAQ’s branded message design on the vehicle “wrap” for the moveable monitoring platform.	<ul style="list-style-type: none"> • Completed in May; see above item 3.a. 	- - -	

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Identify potential harm from exposure to air toxics	12/31/14 Status	Expected Completion
	1. Initiate a dialogue with the Division of Public Health to identify appropriate and Delaware-specific air pollution-related “markers” for future activities undertaken under the DAQ’s risk management process.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • Included in 2015 ATSP
	2. Identify the potential for unacceptable air toxics impacts.		
	a. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.	<ul style="list-style-type: none"> • Performed screen modeling for new or revised permits as part of the permit standard operating procedure • As needed, AERMOD is run for more thorough risk assessment, no needs identified during this period 	<ul style="list-style-type: none"> • Ongoing
	b. Coordinate DPH risk assessment support when DAQ’s risk management process activities identify potentially unacceptable air toxics impacts.	<ul style="list-style-type: none"> • No DAQ risk management process activities were undertaken during this period 	<ul style="list-style-type: none"> • Ongoing
	3. Continue to provide historical and projected emissions information in support of DAQ’s air toxics modeling activities to identify unacceptable air toxics impacts.	<ul style="list-style-type: none"> • No modeling activities to identify potential areas of unacceptable air toxics impacts were undertaken during this period 	<ul style="list-style-type: none"> • Ongoing
	4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.	<ul style="list-style-type: none"> • No requests for air toxics modeling support received during this period 	<ul style="list-style-type: none"> • Ongoing
NEW	5. Follow EPA’s development of the 2011 National Air Toxics Assessment (NATA) and communicate progress being made and comment, as appropriate.	<ul style="list-style-type: none"> • Commenced review and participation in the EPA’s development of the 2011 NATA project by . . . • Identifying and effecting the corrections of 2 ‘fliers’ facilities (of 3 facilities) in EPA’s initial high risk summary based on Version 1 of the 2011 NEI during 1Q14 • Providing EPA (through NACCA) Delaware’s point contacts for the NATA project on Dec. 17 • Confirming corrections had been made in NATA Version 2 of stationary source results on Dec. 30 	<ul style="list-style-type: none"> • 4Q/15

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Gather information related to air toxics sources	12/31/14 Status	Expected Completion
	1. Develop emissions inventory protocol for the implementation of the 2014 NEI, if needed.	<ul style="list-style-type: none"> • No activity during this period 	<ul style="list-style-type: none"> • Ongoing
	2. Continue to provide emissions inventory support to the air toxics education and reduction programs, as required.	<ul style="list-style-type: none"> • No air toxics emissions inventory support requested during this period 	<ul style="list-style-type: none"> • Ongoing
	3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.	<ul style="list-style-type: none"> • No requests for information for air toxics of concern received during this period 	<ul style="list-style-type: none"> • Ongoing
	4. By 12/14, identify and enter into DENs 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 or previously unidentified affected area sources discovered during this period 	<ul style="list-style-type: none"> • Ongoing
	5. By 12/14, identify and enter into ICIS (via DENs) 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.	<ul style="list-style-type: none"> • Significant progress was made in populating DENs database with new and known affected sources during this period • Completed modifications to DENs database to allow out-of-state addressing of sources (i.e. gasoline delivery vessels, etc.) 	- - -
	6. Quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors.	<ul style="list-style-type: none"> • Collision repair shops began collecting monthly data on Jan. 1 and reporting monthly data in Feb. • DAQ began collecting and compiling submitted in Feb. • Completed development of collision repairs VOC database • Collection and analysis of 2014 VOC data underway 	<ul style="list-style-type: none"> • Ongoing • Ongoing <li style="text-align: center;">- - - • 1Q15
	7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2014.	<ul style="list-style-type: none"> • Submitted UST Semiannual Activities Report in April and October 	- - -
	8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.	<ul style="list-style-type: none"> • No newly promulgated area source standards during this period • No requests for assistance in identifying affected sources received during this period 	<ul style="list-style-type: none"> • Ongoing
	9. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).	<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 	<ul style="list-style-type: none"> • Ongoing

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Continue to grow the ongoing program to address the risks from exposure to air toxics	12/31/14 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 2013 individual Strategic Plans by 1/31/14.	<ul style="list-style-type: none"> • Completed by Jan. 27 	- - -
	b. Track implementation and report year-end-status of the 2013 Air Toxics Strategic Plan by 3/31/14.	<ul style="list-style-type: none"> • Completed on Mar. 17, when the final DETAILED and SUMMARY versions of the 2013 Year-end Status Reports were posted to the DNREC/DAQ ATSP webpage and were submitted to EPA Region 3 	- - -
	c. Review status and complete mid-year status report on the 2013 individual Strategic Plans by 7/31/14.	<ul style="list-style-type: none"> • Completed on 7/24/14 	- - -
	d. Track implementation and report mid-year status on the 2014 Air Toxics Strategic Plan by 9/30/14.	<ul style="list-style-type: none"> • Completed on Sept. 19, when the final DETAILED and SUMMARY versions of the 2014 Mid-year Status Reports were posted to the DNREC/DAQ ATSP webpage and were submitted to EPA Region 3 	- - -
	e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2015 Air Toxics Strategic Plan by 10/31/14.	<ul style="list-style-type: none"> • No activity during this period 	- - -
	f. Updating of the Air Toxics Strategic Plan for 2015-2019		
	i. Review and revise, if needed, air toxics area source program and timing, as part of the 2015 Air Toxics Strategic Plan by 10/31/14.	<ul style="list-style-type: none"> • Completed final changes to Risk Reduction Strategic Plan on Dec. 15 	- - -
	ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2015 Air Toxics Strategic Plan by 11/14.	<ul style="list-style-type: none"> • Completed on 12/11/14 	- - -
	iii. Coordinate development of the 2015 Air Toxics Strategic Plan during 4Q14.	<ul style="list-style-type: none"> • Coordinated the participant's inputs during the 2015 ATSP process between the Nov. 20 and Dec. 11 • Finalized all individual 2015 ATSP activities for 2015-2019 by Dec. 17 	- - -
	iv. Update individual Strategic Plans for 2015-2019 by 11/30/14.	<ul style="list-style-type: none"> • Completed on 12/11/14 	- - -
	v. Update and finalize 2015 Air Toxics Strategic Plan for years 2015 to 2019 by 12/31/14.	<ul style="list-style-type: none"> • Completed incorporation of all individual strategic plans into the combined 2015 ATSP on Dec. 19 and finalized the ATSP on Dec. 30 	- - -

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Continue to grow the ongoing program to address the risks from exposure to air toxics	12/31/14 Status	Expected Completion
	2. Complete and report to EPA Region 3 on the status of air toxics commitments in the 2014 105 Grant by 9/30/14.	<ul style="list-style-type: none"> • Submitted an interim report on Mar. 17 • Completed on Sept. 22 	- - -
	3. Build infrastructure to implement DAQ's risk-based process to mitigate unacceptable air toxics impacts.		
	a. Develop risk assessment module to screen the potential impact from the exposure to air toxics.		
	i. Develop screening models to define risk from exposure to air toxics.	• No activity during this period	• Ongoing
	ii. Validate screening models using existing monitoring results.	• No activity during this period	• Ongoing
	iii. Establish input data protocols for future screening projects.	• No activity during this period	• Ongoing

2014 Air Toxics Strategic Plan – Year-end Detailed Status Report

2014	Air toxics resource development	12/31/14 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.	<ul style="list-style-type: none"> • Identified 2 new training opportunities being provided by the EPA and . . . • On July 26, provided DAQ management, training, and modeling personnel the access to a new self instruction training module on risk assessment • On Aug. 5, provided all of DAQ web-based an access EPA webinar on environmental justice screen model 	- - -
	b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.	<ul style="list-style-type: none"> • Attended 2014 EPA Modelers Workshop in Salt Lake City on May 19 to 22 	<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"> • No new air toxics-related training needs for new employees identified during this period 	<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"> • None of the recently promulgated air toxics standards were applicable to Delaware sources 	<ul style="list-style-type: none"> • Ongoing
	2. 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.	<ul style="list-style-type: none"> • Continued to exchange auto-body shop inspection results with DNREC's Groundwater Discharge Section under a cooperative arrangement established in late 2012 • No new avenues identified during this period 	<ul style="list-style-type: none"> • Ongoing
	3. Continue to build a volunteer base in DAQ.	<ul style="list-style-type: none"> • No activity to report this period 	<ul style="list-style-type: none"> • Ongoing
	4. Continue to implement newly found mechanisms to improve air toxics communications between branches.	<ul style="list-style-type: none"> • Identified the DAQ's Analytical Support Group's (ASG) monthly webinar as a potential means to communicate and educate the different branches on DAQ's air toxics implementation process and activities 	<ul style="list-style-type: none"> • 4Q15