

**Delaware
Air Quality
Management**

2010 - 2014

Air Toxics Strategic Plan

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Air Quality Management
2010 – 2014 Air Toxics Strategic Plan

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

- **Implement an on-going program to address the risks from exposure to air toxics**
- **Build a greater understanding of ambient air toxics environment**
- **Identify potential harm from exposure to air toxics**
- **Gather information related to air toxics sources**
- **Identify options for reducing air toxics in the environment**
- **Implement appropriate actions to reduce the harm from exposure to air toxics**
- **Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics**
- **Enhance AQM air toxics resources**

2010

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Implement an on-going program to address the risks from exposure to air toxic
1. Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.
a. Review status and complete year-end status report on the 2009 individual Strategic Plans.
b. Track implementation and report year-end-status of the 2009 Air Toxics Strategic Plan by 3/31/10.
c. Review status and complete mid-year status report on the 2010 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2010 Air Toxics Strategic Plan by 9/30/10.
e. Updating of the Air Toxics Strategic Plan for 2011-2015
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2011 Air Toxics Strategic Plan by 10/10.
ii. Coordinate development of the 2011 Air Toxics Strategic Plan (ATSP) including incorporation of DATAS results.
iii. Update individual Strategic Plans for 2011-2015.
iv. Update and finalize 2011 Air Toxics Strategic Plan for years 2011 to 2015 by 12/31/10.
2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.
a. Rulemaking strategy committee associated with gasoline dispensing facilities subject to Federal Sub CCCCCC, if appropriate.
4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
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.
7. Review and revise, if needed, air toxics area source activities and timing, as part of the 2011 Air Toxics Strategic Plan by 12/10.
8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Build greater understanding of ambient air toxics environment	
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.
b.	Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.
c.	Continue to collaborate with University of Delaware on air toxics research and special projects.
d.	Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.
e.	Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics" under EPA air toxics grant.
f.	Issue final "Community Air Toxics" report.
g.	Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
h.	Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.
i.	Undertake new or special monitoring needs that may surface.
2.	Provide air toxics modeled results (HAP concentrations) to support . . .
a.	Assessment of air toxics health impacts in communities.
b.	Improve the emissions inventory/modeling results.

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Identify potential harm from exposure to air toxics
1. Characterize the cancer and non-cancer risks associated with 2003 modeled results.
a. Review DATAS Phase II results to determine impacts and prepare responses for anticipated questions concerning stationary sources with the release of the source apportionment information.
b. Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public's health.
c. Initiate modeled assessment of the impact of mobile source air toxics in comparison to stationary and area source air toxics, following DATAS Phase II report.
d. Coordinate E&C responses to DATAS results with other AQM branches to ensure consistent responses.
2. Characterize the cancer and non-cancer risks associated with 2005 National Air Toxics Assessment (2005 NATA).
a. Monitor federal activities associated with the pending release of the Federal 2005 NATA and communicate any findings or inquiries impacting Delaware.
b. Evaluate the available pre-release risk information applicable to Delaware for possible anomalies or problems in the input information.
c. Communicate findings from the initial or published 2005 NATA, if warranted.
3. Improve air toxics characterization through refined exposure assessment methods, including Sub-Grid Scale Variability (SGV).
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.
b. Coordinate risk assessments needs and results for DATAS Phase II with DPH.
c. Complete DATAS Phase II modeling report.
5. Provide modeling support to Air Quality's Community Air Toxics Study (CATS), pending the completion of the CATS.
6. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.
7. Provide modeling support for DNREC's interest in a proposed multimedia total exposure study, pending the funding of the study.
8. Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate.
a. Continue analysis of data collected from E-DATAS projects.
b. Begin source apportionment analysis focusing on the air toxics of concern.

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Gather information related to air toxics sources	
1.	Submit 2008 NEI for HAPs by 6/1/10.
2.	Provide emissions inventory support to the air toxics education and reduction programs, as required.
3.	Continue review of emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results.
4.	Commence working on source apportionment with the AQM modelers associated with the DATAS Phase II results.
5.	By 12/10, 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.
6.	By 12/10, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards.
7.	Determine if venting from ships to be lightered reduces the VOC and air toxics emission reductions achieved by the lightering services to a level below the maximum allowable uncontrolled lightering volume. <ol style="list-style-type: none">Commence annual audit of frequency and duration of venting from the ships to be lightered during controlled lightering operations by 2/10.Develop path forward if VOC and air toxics emissions reductions fall below the maximum allowable uncontrolled lightering volume by 12/10.
8.	Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2010.
9.	Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
10.	Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Identify options for reducing air toxics in the environment	
1.	Continue to monitor federal activities associated with the new Lead NAAQS and communicate any EPA proposed actions/decisions impacting Delaware.
2.	Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
3.	Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
a.	Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.
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.
c.	Schedule presentation of the mobile source air toxics results, if appropriate, following the release of the DATAS Phase II report.
4.	Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
5.	Continue working with MARAMA and EPA R3 on a regional outreach program for the Clean Diesel Campaign.
6.	Promote smart growth oversight that encourages consideration of impact of mobile source emissions.
7.	Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a.	Newly proposed amendments to federal MACT and incinerator standards.
i.	Boiler and Process Heater MACT standard.
ii.	Federal Commercial and Industrial Solid Waste Incinerator standard.
b.	Newly proposed federal residual risk standards.
i.	Federal Sub N (Chrome plating facilities).
ii.	Federal Sub RRR (Secondary aluminum smelters).
iii.	Federal Sub VVV (Publicly Owned Treatment Works).
iv.	Federal Sub III (Flexible Polyurethane Foam).
c.	Newly proposed federal area source standards under Section 112(k).
8.	Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a.	Follow amendment of federal Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) for existing area sources.
b.	Federal Industrial, Commercial and Institutional Boiler standard for area sources.
c.	Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).
9.	Participate in development of the rulemaking strategy for
a.	Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.
10.	Implement other air toxics-related communications and outreach programs.
a.	Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
i.	Claymont Coalition.
ii.	Explore new outreach opportunities.
b.	Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
11.	Identify grant and funding opportunities.
a.	Facilitate the identification, preparation and submission for transportation-related grants or other funding.
b.	Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
12.	Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Insure continued or improved compliance of stationary sources.
a. Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.
b. Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:
i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.
ii. The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2010-11 timeframe.
iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.
iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.
v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.
vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.
vii. The two (2) plating and polishing facility, subject to 1138 Sect 10, covered during the 2010-11 timeframe.
viii. The one (1) source, subject to electric arc furnace (Federal Sub YYYYY), covered during the 2010-11 timeframe.
c. By 9/10, perform compliance evaluations (CE) at area air toxics sources as follows:
i. 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~80 facilities.
ii. 25% or ~40 auto body refinishing shops subject to 1124 Sect 11; total population is ~160 facilities.
iii. 10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124.
e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2010; total population is ~406 facilities.
f. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii. Incorporated area source standard requirements during renewal or reopening of Title V permits for
1. Claymont Steel to include the Electric Arc Furnace (Federal Sub YYYYY) requirements by 7/10.
iii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
g. Continue discussions for additional reduction of multi-pollutants (incl. Hg) from EGUs under 25MW.
h. Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).
i. Continue to incorporate Area Source Standard requirements into new or existing natural minor or synthetic minor source permits for
i. Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 9/09. (Foster/Tayeb)
ii. St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/09. (Foster/Harris)
iii. Perc Dry Cleaning facilities (1138 Sect 5).
j. Complete Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
i. Sources subject to the Motor Vehicle and Mobile Equipment Surface Coating standard (1138 Sect 15) by 4Q/10.

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Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics	
2.	Promote the implementation of mobile source air toxics reduction initiatives/programs.
a.	Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
b.	Continue to support of the SmartWay Transport programs, as appropriate.
i.	Complete Smyrna Rest Stop Electrification project.
ii.	Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c.	If DATAS Phase II identifies mobile source-driven “hot spots”, initiate development of a mobile source air toxics reduction or education programs.
3.	Implement other air toxics-related communications and outreach programs.
a.	Continue to conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
b.	Assess need for an educational program for AQM’s “Community Air Toxics” study by 3/10.
c.	Complete development of educational materials for AQM’s “Community Air Toxics” study and begin implementation, if needed.
d.	Continue to improve compliance with Delaware’s open burning requirements.
i.	Evaluate and improve, if needed, Delaware’s open burning website and education materials. Currently, On hold due to funding constraints
ii.	Continue to educate the public on Delaware’s open burning restrictions.
4.	Provide support to small businesses on air toxics related issues.
a.	Provide compliance assistance to electroplating facilities, where needed, during the initial implementation of the Plating and Polishing standard (1138 Sect 10).
b.	Provide compliance assistance to auto-body shops and other affected small businesses during the regulatory development and initial implementation of the Motor Vehicle and Mobile Equipment (1138 Sect15) and Miscellaneous Parts and Products (1138 Sect 14) surface coating standards.
c.	Provide compliance assistance to gasoline distribution facilities, where needed, during the regulatory development of a Delaware standard (Federal Sub BBBB).
d.	Provide compliance assistance to gasoline dispensing facilities, where needed, during the regulatory development of a Delaware standard (Federal Sub CCCCC).
e.	Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.
5.	Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
a.	Implement an enhanced air toxics-related educational outreach for auto-body shops (and similar small businesses) that repair damaged motor vehicles and mobile equipment.
6.	Improve and enhance the content, ease of accessing, and information flow of AQM’s “Air Toxics” web site.
a.	Evaluate identified “Air Toxics” web site improvements by 6/10.
b.	Complete installation of the initial phase of the “Air Toxics” web site redesign by 12/10.
7.	Continue to provide pertinent and timely information to the public and regulated community on AQM’s “Proposed Regulations” web site during the adoption of new air toxics standards.
8.	Submit delegation package for
a.	Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 13-15) by 12/10.
b.	Title V-related area source standards Federal Sub AAAA, EEE, and YYYYY by 12/31/10.
9.	Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a.	Amend Regulation 1131 to expand the low enhanced inspection and maintenance (I/M) program statewide by 3Q10.
b.	Assist in initial stringency determination between Federal Sub CCCCC vs. existing Delaware regulations by 4/10.

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Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics	
c.	Submit Start Action Notices for
i.	Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 4/10, if necessary.
ii.	Area standard applicable to Gasoline Distribution Facilities (Federal Sub CCCC) by 4/10, if necessary.
iii.	Amending the General Provisions (1138 Sect 3) by 8/10.
d.	Complete stringency determinations for
i.	Municipal Solid Waste Landfill (Federal Sub AAAA) requirements in the three current DSWA Title V permits.
1.	Assess impact of April 2006 amendment of Municipal Solid Waste Landfill (Federal Sub AAAA) on area sources requirements for the three DSWA Title V permits by 3/10.
2.	Develop path forward for implementation or revision of the three DSWA Title V permits by 3/10.
3.	Commence implementation of path forward by 12/10, if needed.
ii.	Hazardous Waste Combustor (Federal Sub EEE) requirements in current DuPont X Station Title V permit by 3/10.
iii.	Electric Arc Furnace (Federal Sub YYYYY) requirements during renewal of Claymont Steel Title V permit by 3/10.
iv.	Area standard applicable to Paint Stripping Operations (1138 Sect 13) by 5/10.
v.	Area standard applicable to Motor Vehicles and Mobile Equipment Surface Coating Operations (1138 Sect 15) by 5/10.
vi.	Area standard applicable to gasoline dispensing facilities (Federal Sub CCCC), if needed.
vii.	Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 9/10.
viii.	Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCC) by 9/10.
e.	Finalize the adoption of area source standards for
i.	Paint Stripping Operations (1138 Sect 13) by 10/10.
ii.	Miscellaneous Parts and Products Surface Coating Operations (1138 Sect 14) by 4/10.
iii.	Motor Vehicles and Mobile Equipment Surface Coating Operations (1138 Sect 15) by 10/10.
iv.	Area standard applicable to Gasoline Distribution Operations (Federal Sub BBBB) by 12/10.
v.	Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCC) by 12/10.
f.	Revise existing and develop new control strategies, as needed.
i.	Develop path forward for the recently promulgated Federal Hospital/Medical/Infectious Waste Incinerator standard by 3/10.
ii.	Initiate revisions to the State Plan for Hospital/Medical/Infectious Waste Incinerators, if necessary.
g.	Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and develop regulatory path forward, if necessary.
i.	Develop regulatory path forward for Gasoline Distribution Operations (Federal Sub BBBB) by 3/10, if necessary.
ii.	Develop regulatory path forward for Gasoline Dispensing Facilities (Federal Sub CCCC) by 3/10, if necessary.
h.	Follow development of federal residual risk standards affecting area sources, if amended.
i.	Federal Sub N (Chrome plating facilities).
ii.	Federal Sub RRR (Secondary aluminum smelters).
iii.	Federal Sub VVV (Publicly Owned Treatment Works).
i.	As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.

2010 - 2014 Air Toxics Strategic Plan

Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics	
j.	Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.
i.	Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/10, if required.
ii.	Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.
iii.	Update the Area Source Program – Implementation Plan, as needed.
k.	As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
i.	Gasoline distribution facilities (Federal Sub BBBB BB).
ii.	Gasoline dispensing facilities (Federal Sub CCCCCC).
10. Implement a “Smoking Vehicle Reduction Program”.	
a.	Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.
b.	Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.
c.	Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed.
d.	Evaluate the use of a remote sensing program to monitor smoking vehicles by contracting with Environmental Systems Products.
e.	Initiate baseline testing of smoking vehicles through the remote sensing program.
11. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.	
12. Develop and implement improvements for inspection and maintenance (I/M) reporting process.	
13. Facilitate the implementation of diesel retrofits.	
a.	Complete school bus retrofits in three new school districts.
b.	Complete City of Wilmington garbage truck retrofits.
14. Continue to work with other State agencies including DPH on air toxics communications and outreaches.	
15. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.	
16. Commence development of a public outreach associated with the implementation of the revised statewide enhanced low inspection and maintenance (I/M) program.	
17. Evaluate opportunities to incorporate air toxics and particulate matter into the secondary school curriculum.	
18. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.	
19. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:	
a.	Energy efficiency/conservation education, outreach, technical assistance.
b.	Sustainable Energy Utility - SEU
20. Continue to identify and implement state facilities energy programs. State facilities energy programs include:	
a.	Utility Accounting
b.	Energy Saving Performance Contracting
c.	Electricity Procurement
21. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:	
a.	Green Energy Program
i.	Photovoltaic Electric
ii.	Solar Hot Water
iii.	Geothermal
iv.	Wind
b.	Technology Demonstration/Research & Development Grant Program
c.	Renewable Portfolio Goals

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Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics
22. Continue to identify and implement transportation programs. Transportation programs include:
a. Clean State Program – focusing on greater use of alternative transportation fuels.
23. Implement the “Energy Assurance Updates” by providing enhanced training for emergency personnel who respond during major disruptions to the energy supply.
24. Implement the “Energy Efficiency and Conservation Block Grant” programs to reduce fossil fuel emissions, total energy use, and improve transportation efficiency.
25. Continue to provide air toxics-related support to State through. . .
a. Reviewing of air permits.
b. Providing current regulatory interpretations.
i. Advising on likely future trends and actions.
ii. Providing technical support, as needed.
c. Support Engineering & Compliance in their implementation of the “Boiler MACT” case-by-case MACT determinations, if needed.

Year 2010

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics
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. .
2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
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.
4. By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.
a. Anti-idling outreach programs.
b. Environmental Crimes Unit’s anti-idling compliance and enforcement programs.

Year 2010

Air toxics resource development
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.
b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
c. Evaluate the need for air toxics-related training for staff and present, as needed.
d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
2. Assess and pursue implementation of a process for multi-agency sharing of source information for new and existing sources, including gasoline delivery vessels.
3. Develop and implement mechanisms to improve air toxics communications.
a. Continue to implement newly found mechanisms to improve air toxics communications between branches.
b. Continue to promote open communications between DNREC and small businesses on air toxics issues.

2011

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Implement an on-going program to address the risks from exposure to air toxic
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 2010 individual Strategic Plans.
b. Track implementation and report year-end-status of the 2010 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2011 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2011 Air Toxics Strategic Plan.
e. Updating of the Air Toxics Strategic Plan for 2012-2016
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2012 Air Toxics Strategic Plan by 10/11.
ii. Coordinate development of the 2012 Air Toxics Strategic Plan (ATSP).
iii. Update individual Strategic Plans for 2012-2016.
iv. Update and finalize 2012 Air Toxics Strategic Plan for years 2012 to 2016.
2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
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.
4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
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.
7. Review and revise, if needed, air toxics area source activities and timing, as part of the 2012 Air Toxics Strategic Plan by 12/11.
8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2011

Build greater understanding of ambient air toxics environment
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.
b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.
c. Continue to collaborate with University of Delaware on air toxics research and special projects.
d. Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.
e. Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics".
f. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
g. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.
h. Undertake new or special monitoring needs that may surface.
2. Provide air toxics modeling support to meet community and internal needs.

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Identify potential harm from exposure to air toxics

1. Provide modeling support for DNREC's interest in the multimedia total exposure study, if implemented.
2. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.
3. Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate.
 - a. Continue source apportionment analyses for air toxics projects, as needs arise and resources allow.
 - i. Continue source apportionment analysis focusing on the air toxics of concern.
 - ii. Contribution of mobile sources versus stationary sources.
 - iii. Diesel particulate matter.
 - iv. Residential wood stoves.
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.

Year 2011

Gather information related to air toxics sources

1. Develop emissions inventory protocol for the implementation of the 2011 NEI, if needed.
2. Provide emissions inventory support to the air toxics education and reduction programs, as required.
3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
4. By 12/11, 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.
5. By 12/11, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards, as well as gasoline delivery vessels.
6. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2011.
7. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Identify options for reducing air toxics in the environment	
1.	Continue to monitor federal activities associated with the new Lead NAAQS and communicate any EPA proposed actions/decisions impacting Delaware.
2.	Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
3.	Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
a.	Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate.
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.
4.	Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
5.	Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
6.	Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a.	Newly proposed amendments to federal MACT and incinerator standards.
b.	Electric Generation Unit MACT Standard.
c.	Newly proposed federal residual risk standards.
7.	Implement other air toxics-related communications and outreach programs.
a.	Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
b.	Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
8.	Identify grant and funding opportunities.
a.	Facilitate the identification, preparation and submission for transportation-related grants or other funding.
b.	Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
9.	Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source air toxics reduction initiatives/programs.
a. Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
b. Continue to monitor DelDOT's installation of the I-95 Service Plaza Electrification project.
c. Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
d. Complete development and commence implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
2. Insure continued or improved compliance of stationary sources.
a. Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.
b. Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:
i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.
ii. The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2010-11 timeframe.
iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.
iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.
v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.
vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.
vii. The one (1) source, subject to electric arc furnace standard (Federal Sub YYYYY), covered during the 2010-11 timeframe.
viii. The two (2) plating and polishing operations, subject to 1138 Sect 10, covered during 2011.
ix. 20% or ~7 non-mobile equipment surface coating facilities, subject to 1138 Sect 10, covered during 2011; total population is ~33 facilities.
c. By 9/11, 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 ~80 facilities.
ii. 25% or ~40 miscellaneous mobile source surface coating facilities subject to 1138 Sect 15; total population is ~160 facilities.
iii. 10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable.
e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2011; total population is ~406 facilities.
f. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
g. Incorporated area source standard requirements during renewal or reopening of Title V permits for
i. Miscellaneous parts and products surface coating facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements, if applicable.

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Implement appropriate actions to reduce the harm from exposure to air toxics
h. Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for
i. Miscellaneous parts and products surface coating facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements.
ii. Sources subject to Plating and Polishing Operations (1138 Sect 10) requirements.
iii. Sources subject to Perc Dry Cleaning (1138 Sect 5) standard.
iv. Sources subject to Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standard and complete initial issuances by 12/11.
v. Sources subject to the Gasoline Dispensing Facilities standard (Federal Sub CCCCC) requirements by 4Q/11, if needed.
3. Complete public outreach program associated with the implementation of the revised statewide enhanced low inspection and maintenance program.
4. Continue to educate the public on Delaware's open burning restrictions.
5. Continue to conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
6. Continue to conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.
7. Continue to conduct anti-idling outreach programs.
8. Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
9. Improve and enhance the content, ease of accessing, and information flow of AQM's "Air Toxics" web site.
a. Evaluate the initial phase redesign and develop path forward, if warranted, by 6/11.
10. Continue to provide pertinent and timely information to the public and regulated community on AQM's "Proposed Regulations" web site during the adoption of new air toxics standards.
11. 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 9/11, if required.
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.
c. Update the Area Source Program – Implementation Plan, as needed.
12. Submit delegation package for
a. Gasoline Distribution Facilities (Federal Sub BBBB) by 1Q/11.
b. Gasoline Dispensing Facilities (Federal Sub CCCCC) by 1Q/11.
c. General Provisions (Federal Sub A) by 4Q/11.
d. Metal Fabrication and Finishing Operations (Federal Sub XXXXX) by 3Q/11.
e. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 4Q/11.
13. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Finalize the rulemaking strategy for
i. Area standard applicable to Stationary Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) by 2Q/11.
b. Submit Start Action Notices for
i. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 1Q/11.
ii. Area standard applicable to Stationary Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) by 3Q/11.
c. Complete stringency determinations for
i. General Provisions (1138 Sect 3) for uncontested amendments by 2Q/11.
ii. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 4Q/11.

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Implement appropriate actions to reduce the harm from exposure to air toxics
d. Finalize the adoption of area source standards for
i. Revise existing and develop new control strategies, as needed.
1. Develop path forward, if the Federal Commercial and Industrial Solid Waste Incinerator standard is finalized in 2010.
2. Develop path forward to amend 1138 Sect 12, if the Secondary Aluminum Smelters residual risk requirements are finalized in 2010.
3. Develop path forward to amend 1138 Sect 6, if the Chrome Plating residual risk requirements are finalized in 2010.
4. Develop path forward, if the Federal POTW (Sub VVV) residual risk requirements are finalized in 2010.
5. Develop path forward, if the Federal Major and Area Source Reciprocating Internal Combustion Engine standard (Federal Sub ZZZZ) is finalized by 2010.
6. Develop path forward, if the Federal Area Source Industrial, Commercial and Institutional Boiler standard is finalized in 2010.
ii. Adopt Delaware applicable MACT and residual risk standards into Regulation 1138.
1. General Provisions (1138 Sect 3) by 3Q/11.
2. Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 3Q/11.
iii. Adopt Delaware applicable area source standards under Section 112(k) into Regulation 38 prior to federal existing source compliance dates.
e. As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
f. As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.
g. Provide support to small businesses on air toxics related issues.
i. Continue to provide compliance assistance to electroplating facilities during the final implementation of the Plating and Polishing standard (1138 Sect 10).
ii. Continue to provide compliance assistance to auto-body shops and other affected small businesses during the final implementation of the Motor Vehicle and Mobile Equipment (1138 Sect 15) and Miscellaneous Parts and Products (1138 Sect 14) surface coating standards.
iii. Continue to provide compliance assistance to gasoline distribution facilities during the implementation of a Delaware standard (Federal Sub BBBB).
iv. Continue to provide compliance assistance to gasoline dispensing facilities during the implementation of a Delaware standard (Federal Sub CCCC).
h. Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.
14. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Implement a "Smoking Vehicle Reduction Program".
i. Complete baseline testing of smoking vehicles through the evaluation of a remote sensing program.
b. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.
c. Facilitate the implementation of diesel retrofits.
i. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.
ii. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
15. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:
a. Energy efficiency/conservation education, outreach, technical assistance.
b. Sustainable Energy Utility - SEU

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Implement appropriate actions to reduce the harm from exposure to air toxics
16. Continue to identify and implement state facilities energy programs. State facilities energy programs include:
a. Utility Accounting
b. Energy Saving Performance Contracting
c. Electricity Procurement
17. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:
a. Green Energy Program
i. Photovoltaic Electric
ii. Solar Hot Water
iii. Geothermal
iv. Wind
b. Technology Demonstration/Research & Development Grant Program
c. Renewable Portfolio Goals
18. Continue to identify and implement transportation programs. Transportation programs include:
a. Clean State Program – focusing on greater use of alternative transportation fuels.
19. Implement the “Energy Assurance Updates” by providing enhanced training for emergency personnel who respond during major disruptions to the energy supply.
20. Implement the “Energy Efficiency and Conservation Block Grant” programs to reduce fossil fuel emissions, total energy use, and improve transportation efficiency.
21. Continue to provide air toxics-related support to State through. . .
a. Reviewing of air permits.
b. Providing current regulatory interpretations.
c. Advising on likely future trends and actions.
i. Providing technical support, as needed.

2010 - 2014 Air Toxics Strategic Plan

Year 2011

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics

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. .
2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
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.
4. By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.
 - a. Revised statewide inspection and maintenance (I/M) public outreach program.
 - b. Revised statewide inspection and maintenance (I/M) implementation program.
 - c. Mobile source air toxics reduction or education programs addressing hot spots.

Year 2011

Air toxics resource development

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.
 - b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - c. Evaluate the need for air toxics-related training for staff and present, as needed.
 - d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
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.
3. Develop and implement mechanisms to improve air toxics communications.
 - a. Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - b. Continue to promote open communications between DNREC and small businesses on air toxics issues.

2012

2010 - 2014 Air Toxics Strategic Plan

Year 2012

Implement an on-going program to address the risks from exposure to air toxic
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.
b. Track implementation and report year-end-status of the 2011 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2012 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2012 Air Toxics Strategic Plan.
e. 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.
ii. Coordinate development of the 2013 Air Toxics Strategic Plan (ATSP).
iii. Update individual Strategic Plans for 2013-2017.
iv. Update and finalize 2013 Air Toxics Strategic Plan for years 2013 to 2017.
2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
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.
4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
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.
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.
8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2012

Build greater understanding of ambient air toxics environment
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.
b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.
c. Continue to collaborate with University of Delaware on air toxics research and special projects.
d. Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.
e. Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics".
f. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
g. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.
h. Undertake new or special monitoring needs that may surface.
2. Provide air toxics modeling support to meet community and internal needs.

2010 - 2014 Air Toxics Strategic Plan

Year 2012

Identify potential harm from exposure to air toxics

1. Provide modeling support for DNREC's interest in the multimedia total exposure study, if implemented.
2. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.
3. 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.

Year 2012

Gather information related to air toxics sources

1. Develop the 2011 NEI for HAPs. Expected completion 6/1/13.
2. Provide emissions inventory support to the air toxics education and reduction programs, as required.
3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
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.
5. By 12/12, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards, as well as gasoline delivery vessels.
6. Determine the lowest feasible maximum allowable uncontrolled lightering volume by 12/13.
7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2012.
8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

Year 2012

Identify options for reducing air toxics in the environment

1. Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
2. 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.
 - 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.
3. Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
4. Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
5. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
 - a. Newly proposed amendments to federal MACT and incinerator standards.
 - b. Newly proposed federal residual risk standards.
6. Implement other air toxics-related communications and outreach programs.
 - a. Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - b. Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
7. Identify grant and funding opportunities.
 - a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - b. Work with and promote open communications with other branches, divisions and Departments on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
8. Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2010 - 2014 Air Toxics Strategic Plan

Year 2012

Implement appropriate actions to reduce the harm from exposure to air toxics	
1.	Promote the implementation of mobile source air toxics reduction initiatives/programs.
a.	Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
b.	Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c.	Continue implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
2.	Insure continued or improved compliance of stationary sources.
a.	Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.
b.	Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:
i.	The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2012-13 timeframe.
ii.	The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2012-13 timeframe.
iii.	The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe.
iv.	The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe.
v.	The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2012-13 timeframe.
vi.	The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2012-13 timeframe.
vii.	The one (1) source, subject to electric arc furnace standard (Federal Sub YYYYYY), covered during the 2012-13 timeframe.
viii.	The two (2) plating and polishing operations, subject to 1138 Sect 10, covered during the 2012-13 timeframe.
ix.	40% or ~14 miscellaneous parts and products surface coating facilities, subject to 1138 Sect 14, covered during the 2012-13 timeframe; total population is ~33 facilities.
x.	The two (2) gasoline distribution operations, subject to Federal Sub BBBBBB, covered during the 2012-13 timeframe.
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 ~80 facilities.
ii.	25% or ~40 motor vehicle and mobile equipment surface coating facilities subject to 1138 Sect 15; total population is ~160 facilities.
iii.	10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
d.	Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable.
e.	Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2012; total population is ~406 facilities.
f.	Incorporate updated MACT and Residual Risk requirements in air permits.
i.	Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii.	Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
g.	Incorporated area source standard requirements during renewal or reopening of Title V permits for
i.	Miscellaneous parts and products surface coating facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements, if applicable.

2010 - 2014 Air Toxics Strategic Plan

Year 2012

Implement appropriate actions to reduce the harm from exposure to air toxics
h. Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for
i. Miscellaneous parts and products surface coating facilities to include paint stripping (1138 Sect 13) and surface coating (1138 Sect 14) requirements.
ii. Sources subject to Gasoline Distribution Operations (Federal Sub BBBB) requirements.
iii. Cermet to include Halogenated Solvent Cleaning System (1138 Sect 8) residual risk requirements.
iv. Continue to incorporate Area Source Standard requirements into new natural minor source permits for sources subject to Perc Dry Cleaning (1138 Sect 5) and sources subject to Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards.
3. Continue to educate the public on Delaware's open burning restrictions.
4. Continue to conduct anti-idling outreach programs.
5. Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
6. Continue to provide pertinent and timely information to the public and regulated community on AQM's "Proposed Regulations" web site during the adoption of new air toxics standards.
7. Update the Area Source Program – Implementation Plan, as needed.
8. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Submit Start Action Notices for
i. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAA).
ii. Area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD).
iii. Submit Start Action Notice for new Smoking Vehicle regulation, if warranted.
b. Finalize the adoption of area source standards for
i. Area standard applicable to Stationary Reciprocating Internal Combustion Engines (Federal Sub ZZZZ).
c. Submit delegation package for
i. Area standard applicable to Stationary Reciprocating Internal Combustion Engines (Federal Sub ZZZZ).
9. Revise existing and develop new control strategies, as needed.
a. Develop path forward, if the Federal Electric Generation Unit MACT standard is finalized in 2011.
b. Develop path forward for applicable area source MACT standards finalized in 2011.
c. Develop path forward for applicable area source residual risk standards finalized in 2011.
10. As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
11. As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.
12. Provide support to Small Businesses on air toxics related issues.
a. Continue to provide compliance assistance to small business as AQM continues to adopt new regulations applicable area sources.
13. Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.
14. Implement a "Smoking Vehicle Reduction Program".
a. Evaluate smoking vehicle baseline data and develop appropriate path forward, if necessary.
15. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.
16. Facilitate the implementation of diesel retrofits.
17. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.
18. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.

2010 - 2014 Air Toxics Strategic Plan

Year 2012

Implement appropriate actions to reduce the harm from exposure to air toxics
19. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:
a. Energy efficiency/conservation education, outreach, technical assistance.
b. Sustainable Energy Utility - SEU
20. Continue to identify and implement state facilities energy programs. State facilities energy programs include:
a. Utility Accounting
b. Energy Saving Performance Contracting
c. Electricity Procurement
21. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:
a. Green Energy Program
i. Photovoltaic Electric
ii. Solar Hot Water
iii. Geothermal
iv. Wind
b. Technology Demonstration/Research & Development Grant Program
c. Renewable Portfolio Goals
22. Continue to identify and implement transportation programs. Transportation programs include:
a. Clean State Program – focusing on greater use of alternative transportation fuels.
23. Implement the “Energy Assurance Updates” by providing enhanced training for emergency personnel who respond during major disruptions to the energy supply.
24. Implement the “Energy Efficiency and Conservation Block Grant” programs to reduce fossil fuel emissions, total energy use, and improve transportation efficiency.
25. Continue to provide air toxics-related support to State through. . .
a. Reviewing of air permits.
b. Providing current regulatory interpretations.
c. Advising on likely future trends and actions.
i. Providing technical support, as needed.

2010 - 2014 Air Toxics Strategic Plan

Year 2012

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics

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. .
2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
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.
4. By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.

Year 2012

Air toxics resource development

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.
 - b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - c. Evaluate the need for air toxics-related training for staff and present, as needed.
 - d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
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.
3. Develop and implement mechanisms to improve air toxics communications.
 - a. Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - b. Continue to promote open communications between DNREC and small businesses on air toxics issues.

2013

2010 - 2014 Air Toxics Strategic Plan

Year 2013

Implement an on-going program to address the risks from exposure to air toxic
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 2012 individual Strategic Plans.
b. Track implementation and report year-end-status of the 2012 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2013 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2013 Air Toxics Strategic Plan.
e. Updating of the Air Toxics Strategic Plan for 2014-2018
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2014 Air Toxics Strategic Plan by 10/13.
ii. Coordinate development of the 2014 Air Toxics Strategic Plan (ATSP).
iii. Update individual Strategic Plans for 2014-2018.
iv. Update and finalize 2014 Air Toxics Strategic Plan for years 2014 to 2018.
2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
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.
4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
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.
7. Review and revise, if needed, air toxics area source activities and timing, as part of the 2014 Air Toxics Strategic Plan by 12/13.
8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2013

Build greater understanding of ambient air toxics environment
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.
b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.
c. Continue to collaborate with University of Delaware on air toxics research and special projects.
d. Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.
e. Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics".
f. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
g. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.
h. Undertake new or special monitoring needs that may surface.
2. Provide air toxics modeling support to meet community and internal needs.

2010 - 2014 Air Toxics Strategic Plan

Year 2013

Identify potential harm from exposure to air toxics

1. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.

Year 2013

Gather information related to air toxics sources

1. Submit 2011 NEI for HAPs by 6/1/13.
2. Provide emissions inventory support to the air toxics education and reduction programs, as required.
3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
4. By 12/13, 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.
5. By 12/13, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards, as well as gasoline delivery vessels.
6. Complete determination of the lowest feasible maximum allowable uncontrolled lightering volume by 12/13.
7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2013.
8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

Year 2013

Identify options for reducing air toxics in the environment

1. Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
2. 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.
 - 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.
3. Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
4. Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
5. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
 - a. Newly proposed amendments to federal MACT and incinerator standards.
 - b. Newly proposed federal residual risk standards.
6. Implement other air toxics-related communications and outreach programs.
 - a. Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - b. Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
7. Identify grant and funding opportunities.
 - a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - b. Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
8. Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2010 - 2014 Air Toxics Strategic Plan

Year 2013

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source air toxics reduction initiatives/programs.
a. Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
b. Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c. Continue implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
2. Insure continued or improved compliance of stationary sources.
a. Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.
b. Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:
i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2012-13 timeframe.
ii. The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2012-13 timeframe.
iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe.
iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe.
v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2012-13 timeframe.
vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2012-13 timeframe.
vii. The one (1) source, subject to electric arc furnace (Federal Sub YYYYYY), covered during the 2012-13 timeframe.
viii. The two (2) plating and polishing operations, subject to Federal Sub WWWW, covered during the 2012-13 timeframe.
ix. 40% or ~14 non-mobile equipment surface coating facilities, subject to 1138 Sect 10, covered during the 2012-13 timeframe; total population is ~33 facilities.
x. The two (2) gasoline distribution operations, subject to Federal Sub BBBBBB, covered during the 2012-13 timeframe.
c. By 9/13, 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 ~80 facilities.
ii. 25% or ~40 motor vehicle and mobile equipment surface coating facilities subject to 1138 Sect 15; total population is ~160 facilities.
iii. 10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable.
e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2013; total population is ~406 facilities.
f. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
1. Camdel Metals to include Halogenated Solvent Cleaning System (1138 Sect 8) residual risk requirements.
ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
iii. Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for
1. Cermet to include Halogenated Solvent Cleaning System (1138 Sect 8) residual risk requirements.
g. Continue to incorporate Area Source Standard requirements into new natural minor source permits, as necessary.
3. Continue to educate the public on Delaware's open burning restrictions.
4. Continue to conduct anti-idling outreach programs.

2010 - 2014 Air Toxics Strategic Plan

Year 2013

Implement appropriate actions to reduce the harm from exposure to air toxics
5. Develop and carryout "Smoking Vehicle" outreach program.
6. Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
7. Continue to provide pertinent and timely information to the public and regulated community on AQM's "Proposed Regulations" web site during the adoption of new air toxics standards.
8. Update the Area Source Program – Implementation Plan, as needed.
9. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Submit Start Action Notices for
i. Area standard applicable to Nine Metal Fabricating and Finishing Operations (Federal Sub XXXXXX).
b. Finalize the adoption of area source standards for
i. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).
ii. Area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD).
c. Submit delegation package for
i. Area standard applicable to Asphalt Processing and Asphalt Roofing Manufacturing (Federal Sub AAAAAAA).
ii. Area standard applicable to Prepared Feeds Manufacturing (Federal Sub DDDDDDD).
10. Revise existing and develop new control strategies, as needed.
a. Complete adoption of a new Smoking Vehicle regulation, if warranted.
b. Develop path forward for applicable area source MACT standards finalized in 2012.
c. Develop path forward for applicable area source residual risk standards finalized in 2012.
11. As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.
12. Provide support to Small Businesses on air toxics related issues.
13. Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.
14. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.
15. Facilitate the implementation of diesel retrofits.
16. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.
17. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
18. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:
a. Energy efficiency/conservation education, outreach, technical assistance.
b. Sustainable Energy Utility - SEU
19. Continue to identify and implement state facilities energy programs. State facilities energy programs include:
a. Utility Accounting
b. Energy Saving Performance Contracting
c. Electricity Procurement
20. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:
a. Green Energy Program
i. Photovoltaic Electric
ii. Solar Hot Water
iii. Geothermal
iv. Wind
b. Technology Demonstration/Research & Development Grant Program
c. Renewable Portfolio Goals

2010 - 2014 Air Toxics Strategic Plan

Year 2013

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

21. Continue to identify and implement transportation programs. Transportation programs include:

a. Clean State Program – focusing on greater use of alternative transportation fuels.

22. Continue to provide air toxics-related support to State through. . .

a. Reviewing of air permits.

b. Providing current regulatory interpretations.

c. Advising on likely future trends and actions.

i. Providing technical support, as needed.

Year 2013

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics

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. . .

2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.

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.

4. By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.

Year 2013

Air toxics resource development

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.

b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.

c. Evaluate the need for air toxics-related training for staff and present, as needed.

d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.

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.

3. Develop and implement mechanisms to improve air toxics communications.

a. Continue to implement newly found mechanisms to improve air toxics communications between branches.

b. Continue to promote open communications between DNREC and small businesses on air toxics issues.

2014

2010 - 2014 Air Toxics Strategic Plan

Year 2014

Implement an on-going program to address the risks from exposure to air toxic
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.
b. Track implementation and report year-end-status of the 2014 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2014 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2014 Air Toxics Strategic Plan.
e. 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 2014 Air Toxics Strategic Plan by 10/14.
ii. Coordinate development of the 2015 Air Toxics Strategic Plan (ATSP).
iii. Update individual Strategic Plans for 2015-2019.
iv. Update and finalize 2015 Air Toxics Strategic Plan for years 2015 to 2019.
2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
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.
4. Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
5. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
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.
7. Review and revise, if needed, air toxics area source activities and timing, as part of the 2015 Air Toxics Strategic Plan by 12/14.
8. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2014

Build greater understanding of ambient air toxics environment
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.
b. Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation.
c. Continue to collaborate with University of Delaware on air toxics research and special projects.
d. Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.
e. Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics".
f. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
g. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance.
h. Undertake new or special monitoring needs that may surface.
2. Provide air toxics modeling support to meet community and internal needs.

2010 - 2014 Air Toxics Strategic Plan

Year 2014

Identify potential harm from exposure to air toxics

1. Provide modeling support to Engineering & Compliance associated with risk-based permitting decisions, as needed.

Year 2014

Gather information related to air toxics sources

1. Develop emissions inventory protocol for the implementation of the 2014 NEI, if needed.
2. Provide emissions inventory support to the air toxics education and reduction programs, as required.
3. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
4. By 12/14, 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.
5. By 12/14, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to Perc Dry Cleaning (1138 Sect 5) and Motor Vehicle and Mobile Equipment Surface Coating (1138 Sect 15) standards, as well as gasoline delivery vessels.
6. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2013.
7. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

Year 2014

Identify options for reducing air toxics in the environment

1. Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
2. 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.
 - 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.
3. Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
4. Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
5. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
 - a. Newly proposed amendments to federal MACT and incinerator standards.
 - b. Newly proposed federal residual risk standards.
6. Implement other air toxics-related communications and outreach programs.
 - a. Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - b. Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
7. Identify grant and funding opportunities.
 - a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - b. Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
8. Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2010 - 2014 Air Toxics Strategic Plan

Year 2014

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source air toxics reduction initiatives/programs.
a. Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
b. Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c. Continue implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
2. Insure continued or improved compliance of stationary sources.
a. Continue to perform full compliance evaluations (FCEs) of major air toxics sources in accordance with the applicable compliance monitoring plan.
b. Perform full compliance evaluations (FCEs) at area air toxics sources not included in the compliance monitoring plan as follows:
i. The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2012-13 timeframe.
ii. The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2012-13 timeframe.
iii. The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe.
iv. The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe.
v. The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2012-13 timeframe.
vi. The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2012-13 timeframe.
vii. The one (1) source, subject to electric arc furnace standard (Federal Sub YYYYYY), covered during the 2012-13 timeframe.
viii. The two (2) plating and polishing operations, subject to Federal Sub WWWW, covered during the 2012-13 timeframe.
ix. 40% or ~14 non-mobile equipment surface coating facilities, subject to 1138 Sect 10, covered during the 2012-13 timeframe; total population is ~33 facilities.
x. The two (2) gasoline distribution operations, subject to Federal SubBBBBB, covered during the 2012-13 timeframe.
c. By 9/13, 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 ~80 facilities.
ii. 25% or ~40 motor vehicle and mobile equipment surface coating facilities subject to 1138 Sect 15; total population is ~160 facilities.
iii. 10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable.
e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2013; total population is ~406 facilities.
f. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
iii. Continue to incorporate Area Source Standard requirements into new natural minor source permits, as necessary.
3. Continue to educate the public on Delaware's open burning restrictions.
4. Continue to conduct anti-idling outreach programs.
5. Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.

2010 - 2014 Air Toxics Strategic Plan

Year 2014

Implement appropriate actions to reduce the harm from exposure to air toxics
6. Update the Area Source Program – Implementation Plan, as needed.
7. Implement Air Toxics Area Source Program
a. Finalize the adoption of area source standards for
i. Area standard applicable to Nine Metal Fabricating and Finishing Operations (Federal Sub XXXXXX).
b. Submit delegation package for
i. Area standard applicable to Nine Metal Fabricating and Finishing Operations (Federal Sub XXXXXX).
8. Revise existing and develop new control strategies, as needed.
a. Develop path forward for applicable area source MACT standards finalized in 2013.
b. Develop path forward for applicable area source residual risk standards finalized in 2013.
9. As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.
10. Provide support to Small Businesses on air toxics related issues.
11. Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.
12. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate.
13. Facilitate the implementation of diesel retrofits.
14. Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting the diesel emission reductions.
15. Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
16. Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include:
a. Energy efficiency/conservation education, outreach, technical assistance.
b. Sustainable Energy Utility - SEU
17. Continue to identify and implement state facilities energy programs. State facilities energy programs include:
a. Utility Accounting
b. Energy Saving Performance Contracting
c. Electricity Procurement
18. Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include:
a. Green Energy Program
i. Photovoltaic Electric
ii. Solar Hot Water
iii. Geothermal
iv. Wind
b. Technology Demonstration/Research & Development Grant Program
c. Renewable Portfolio Goals
19. Continue to identify and implement transportation programs. Transportation programs include:
a. Clean State Program – focusing on greater use of alternative transportation fuels.
20. Continue to provide air toxics-related support to State through. . .
a. Reviewing of air permits.
b. Providing current regulatory interpretations.
c. Advising on likely future trends and actions.
d. Providing technical support, as needed.

2010 - 2014 Air Toxics Strategic Plan

Year 2014

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics

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. .
2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
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.
4. By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.
 - a. "Smoking Vehicle Reduction Program" outreach programs.
 - b. "Smoking Vehicle Reduction Program" compliance and enforcement program.

Year 2014

Air toxics resource development

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.
 - b. Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - c. Evaluate the need for air toxics-related training for staff and present, as needed.
 - d. Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
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.
3. Develop and implement mechanisms to improve air toxics communications.
 - a. Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - b. Continue to promote open communications between DNREC and small businesses on air toxics issues.