

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

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

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

ACRONYMS

AFS	EPA's Air Facility System Database
AIRS - AQS	EPA's Air Quality System Database
AQP	Air Quality Partnership
ATSP	Air Toxics Strategic Plan
BTEX	Benzene, Toluene, Ethyl benzene & Xylenes
CAA	Clean Air Act
CMAQ	Congestion Mitigation and Air Quality Improvement Program
DAQ	Delaware Division of Air Quality
DCR	Delaware City Refinery
DE	Delaware
DelDOT	Delaware Department of Transportation
DELJIS	Delaware Criminal Justice Information System
DENs	Delaware Environmental Navigator
DNREC	Delaware Department of Natural Resources and Environmental Control
DPH	Division of Public Health
DVRPC	Delaware Valley Regional Planning Commission
E&C	DAQ's Engineering & Compliance Branch
EPA	U. S. Environmental Protection Agency
EPA R3	EPA's Region 3 Office
EPA – RTP	EPA's Research Triangle Park Facilities
FCEs	Full Compliance Evaluations
GACT	Generally Achievable Control Technology
MACT	Maximum Achievable Control Technology
MADC	Mid Atlantic Diesel Collaborative
MPO	Metropolitan Planning Organization
NEI	EPA's National Emissions Inventory
NOAA	National Oceanic and Atmospheric Administration
OTC	Ozone Transport Commission
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WTS	Gas Chromatograph manufacturer

2014

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Year 2014

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source diesel emission reduction projects.
a. Facilitate the implementation of diesel emission reduction projects.
i. Complete the Delaware Bay Launch Services motor replacement project by 9/30/14.
b. Implement projects to reduce emissions from the transportation sector.
i. Facilitate the implementation of the selected Delaware appropriate transportation sector options, if resources can be identified.
ii. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.
c. Continue to support of the SmartWay Transport programs.
i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.
ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
2. Insure continued or improved compliance of stationary sources.
a. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
b. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.
c. Continue to implement the Asbestos Demolition/Renovation Program.
i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).
ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.
iii. Respond to incidences of improper disposal of asbestos containing wastes.
d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.
e. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation 1130, as needed.
f. Incorporate area source standard requirements into natural and synthetic minor source permits, including
i. All new installations that are subject to area source standards in Reg. 1138.
ii. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.
iii. All existing prepared feed manufacturing facilities subject to requirements of Reg. 1138 Section 17 by 12/14.
iv. IKO to include asphalt processing and asphalt roofing products manufacturing operations requirements in Reg. 1138 Section 16 by 12/14.
v. Standard Engineering to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 and the plating and polishing operations requirements in Reg. 1138 Section 10 by 12/14.
vi. Industraplate to include plating and polishing operations requirements in Reg. 1138 Section 10 by 12/14.
vii. Procino Plating to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 by 12/14.
viii. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
ix. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
x. New sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
xi. Newly identified existing sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).

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Year 2014

Implement appropriate actions to reduce the harm from exposure to air toxics
2. Insure continued or improved compliance of stationary sources.
g. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.
h. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
i. Sources subject to the motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
ii. Sources subject to the perchloroethylene dry cleaning standard (1138 Sect 5).
3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.
a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
d. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.
4. Implement other air toxics-related communications and outreach programs
a. Continue to implement a diesel anti-idling educational program.
i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.
b. Actively promote the development and implementation of educational programs.
i. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP).
ii. Continue working with the AQP on a character branding project targeted to elementary school students.
1. Complete 3 outreach programs in elementary schools (one per county) that utilize the branded character to communicate the air quality message to its students.
2. Identify funding to sustain the branded character educational program beyond 2014.
iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.
1. Delaware Envirothon.
2. Delaware State Fair.
3. Delaware Coast Day.
4. Other opportunities, as identified.
c. Continue to participate in Claymont Coalition meetings.
d. Continue to improve compliance with Delaware's open burning requirements.
i. Continue to educate the public on Delaware's open burning restrictions.
ii. Implement a reconnaissance process to identify and deter potential open burning activities.
iii. Continue to provide non-compliance prevention guidance for open burning activities.
iv. Approve, if appropriate, notifications submitted for open burning.
e. Continue to improve the Area Source Compliance's outreach/communication programs by incorporating needed changes or additions.
5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.
a. Continue to develop and improve the DAQ's web site to include a better focus on air toxics content.
b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of new air toxics standards.

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Implement appropriate actions to reduce the harm from exposure to air toxics
5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.
c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ's web site.
d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.
6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.
a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/30/14, if required.
b. Coordinate the development and incorporation of new and newly revised standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process by 10/31/14.
c. Update the Area Source Program – Implementation Plan by 10/31/14, if needed.
7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Adopt the Federal Sub CCCCCC area source requirements applicable to stage I gasoline dispensing facilities that <u>dispense gasoline only to nonroad vehicles or engines</u> into Section 18 of Regulation 1138.
i. Conduct public workshop(s) by 1Q/14.
ii. Conduct public hearing by 2Q/14.
iii. Complete final stringency determinations by 2Q/14.
iv. Finalize the adoption by 3Q/14. Finalize the adoption by 3Q/14.
v. Publish final compliance assistance tools by 4Q/14.
vi. Submit delegation package by 4Q/14.
b. Adopt the Federal Sub CCCCCC area source requirements applicable to stage I gasoline dispensing facilities that <u>dispense gasoline to motor vehicles or engines</u> into Sections 26 and 27 of Regulation 1124.
i. Provide air toxics-related technical support for amending Sections 26 and 27.
ii. Conduct public workshop(s) by 1Q/14.
iii. Conduct public hearing by 2Q/14.
iv. Complete final stringency determinations by 2Q/14.
v. Finalize the adoption by 3Q/14.
vi. Publish final compliance assistance tools by 4Q/14.
vii. Submit delegation package by 4Q/14.
c. Adopt the Federal Sub RRR residual risk and technology development requirements applicable to secondary aluminum production facilities into Section 12 of Regulation 1138.
i. Complete initial stringency determination between Federal Area Source Standard vs. existing Delaware regulations and finalize regulatory path forward, if necessary, by 3Q/14.
ii. Submit Start Action Notice by 3Q/14.
d. Revise existing and develop new control strategies, as needed.
i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2014.
ii. Develop path forward for residual risk standards applicable area sources finalized in 2014.
iii. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
8. Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.
9. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.

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Year 2014

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

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| 10. 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. |

Year 2014

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

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| 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 from exposure to air toxics, as needed. |
| 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. Insure continued or improved compliance of stationary sources. |
| a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2014-15 Compliance Monitoring Plan. |
| b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows: |
| i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2014-15 timeframe. |
| ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2014-15 timeframe. |
| iii. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2014-15 timeframe. |
| iv. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2014-15 timeframe. |
| v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2014-15 timeframe. |
| vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2014-15 timeframe. |
| vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2014-15 timeframe. |
| viii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2014-15 timeframe; total potential population is ~25 facilities. |
| ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, covered during the 2014-15 timeframe. |
| x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2014-15 timeframe. |
| xi. The 1 gasoline distribution operation, subject to Federal SubBBBBB, covered during the 2014-15 timeframe. |
| xii. The 2 chemical manufacturing operations, subject to Federal Sub VVVVVV, covered during the 2014-15 timeframe. |
| xiii. The 5 prepared feed manufacturing facilities, subject to Reg. 1138 Section 17, covered during the 2014-15 timeframe. |
| xiv. Other area source air toxics standards covered during the 2014-15 timeframe. |

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Year 2014

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

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| 4. Insure continued or improved compliance of stationary sources. |
| c. By 9/14, perform compliance evaluations (CE) at area air toxics sources as follows: |
| i. 50% or ~26 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities. |
| ii. 50% or ~65 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~130 facilities. |
| iii. 10% or ~78 gasoline delivery vessels; total population is ~780 facilities. |
| d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system. |
| e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2014; total population is ~348 facilities. |
| f. Continue to implement the Asbestos Demolition/Renovation Program. |
| i. Perform site inspections at asbestos demolition/renovation sites. |
| 5. Conduct annual "remote sensing" studies to meet ozone State Implementation Plan requirements. |
| 6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate. |
| 7. Review existing educational information on mobile source emission/impacts and develop a communication plan to address the key issues for Delaware. |
| 8. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data). |

Year 2014

Identify options for reducing air toxics in the environment

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| 1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts. |
| a. Participate in DAQ's risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts. |
| 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 greenhouse gases, develop strategies, and identify DE solutions. |
| 4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector. |
| 5. Continue to participate on the OTC Mobile Source Committee developing the following model rules: |
| a. Aftermarket catalytic converters. |
| b. Medium and heavy-duty diesel inspection and maintenance (I/M) programs. |
| 6. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants. |
| a. Participate in inter-agency consultation workgroup's 8-hour conformity determinations for New Castle, Kent and Sussex Counties. Report status to EPA R3, as appropriate. |
| 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. |
| 7. Reevaluate the "Smoking Vehicle Reduction Program" options. |
| 8. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide. |
| 9. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate. |

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Year 2014

Identify options for reducing air toxics in the environment
10. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
11. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
12. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
13. Identify grant and funding opportunities.
a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
14. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities.
15. Provide technical assistance on lightering operations to DAQ, 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. Working in partnership with the University of Delaware, continue the Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc.
e. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
f. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities.
g. Undertake new or special monitoring needs that may surface.
i. Undertake air toxics (i.e. BTEX) monitoring project at the Delaware City Refinery (DCR) monitoring station.
1. Obtain and test the WTS field gas chromatograph by 1Q14.
2. Install the field gas chromatograph in the DCR monitoring station by 1Q14.
3. Continue to pursue a collaborative program with EPA – RTP to evaluate an alternative gas chromatographic technology through side-by-side operation with the WTS monitor.
4. Begin monitoring BTEX concentrations at the DCR monitoring station by 2Q14.
ii. Undertake air toxics monitoring projects using the mobile monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community and internal needs.
3. Develop and implement a strategy for branding DAQ's message.
a. Develop a strategy to define and brand DAQ's message.
b. Incorporate DAQ's branded message design on the vehicle "wrap" for the moveable monitoring platform.

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Year 2014

Identify potential harm from exposure to air toxics
1. Initiate a dialogue with the Division of Public Health to identify appropriate and Delaware-specific air pollution-related “markers” for future activities undertaken under the DAQ’s risk management process.
2. Identify the potential for unacceptable air toxics impacts. <ul style="list-style-type: none"> a. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources. b. Coordinate DPH risk assessment support when DAQ’s risk management process activities identify potentially unacceptable air toxics impacts.
3. Continue to provide historical and projected emissions information in support of DAQ’s air toxics modeling activities to identify unacceptable air toxics impacts.
4. Provide modeling support to Engineering & Compliance (E&C) 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. Continue to 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 from exposure to air toxics, as needed.
4. By 12/14, identify and enter into DENs all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
5. By 12/14, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
6. Quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors.
7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2014.
8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
9. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).

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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 by 1/31/14.
b. Track implementation and report year-end-status of the 2013 Air Toxics Strategic Plan by 3/31/14.
c. Review status and complete mid-year status report on the 2013 individual Strategic Plans by 7/31/14.
d. Track implementation and report mid-year status on the 2014 Air Toxics Strategic Plan by 9/30/14.
e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2015 Air Toxics Strategic Plan by 10/31/14.
f. Updating of the Air Toxics Strategic Plan for 2015-2019
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2015 Air Toxics Strategic Plan by 10/31/14.
ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2015 Air Toxics Strategic Plan by 11/14.
iii. Coordinate development of the 2015 Air Toxics Strategic Plan during 4Q14.
iv. Update individual Strategic Plans for 2015-2019 by 11/30/14.
v. Update and finalize 2015 Air Toxics Strategic Plan for years 2015 to 2019 by 12/31/14.
2. Build infrastructure to implement DAQ's risk-based process to mitigate unacceptable air toxics impacts.
a. Develop risk assessment module to screen the potential impact from the exposure to air toxics.
i. Develop screening models to define risk from exposure to air toxics.
ii. Validate screening models using existing monitoring results.
iii. Establish input data protocols for future screening projects.

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. Continue to build a volunteer base in DAQ.
4. Continue to implement newly found mechanisms to improve air toxics communications between branches.

2015

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Year 2015

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source diesel emission reduction projects.
a. Facilitate the implementation of diesel emission reduction projects.
b. Implement projects to reduce emissions from the transportation sector.
i. Continue to facilitate the implementation of the selected Delaware appropriate transportation sector options, if resources can be identified.
ii. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.
c. Establish the “Smoking Vehicle Reduction Program”, if implementation is warranted and funding obtained.
d. Implement the resource-effective alternative procedures, if they are found to be an acceptable replacement for the current “parking lot” surveillance element of the inspection and maintenance (I/M) program.
e. Continue to support of the SmartWay Transport programs.
i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.
ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
2. Insure continued or improved compliance of stationary sources.
a. Continue to evaluate and realign Engineering and Compliance’s assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
b. Continue to evaluate and realign Area Source Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.
c. Continue to implement the Asbestos Demolition/Renovation Program.
i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).
ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.
iii. Respond to incidences of improper disposal of asbestos containing wastes.
d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.
e. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation 1130, as needed.
iii. Incorporate area source standard requirements into natural and synthetic minor source permits, including
1. All new installations that are subject to area source standards in Reg. 1138.
2. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.
f. Continue to incorporate Area Source Standard requirements into natural minor source permits, as necessary, for
i. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
ii. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
iii. New sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
iv. Newly identified existing sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
g. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.
h. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
i. Sources subject to the motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
ii. Sources subject to the perchloroethylene dry cleaning standard (1138 Sect 5).

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Year 2015

Implement appropriate actions to reduce the harm from exposure to air toxics
3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.
a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
d. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.
4. Implement other air toxics-related communications and outreach programs
a. Continue to implement a diesel anti-idling educational program.
i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.
b. Actively promote the development and implementation of educational programs.
i. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP).
ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students.
iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.
1. Delaware Envirothon.
2. Delaware State Fair.
3. Delaware Coast Day.
4. Other opportunities, as identified.
c. Continue to participate in Claymont Coalition meetings.
d. Continue to improve compliance with Delaware's open burning requirements.
i. Continue to educate the public on Delaware's open burning restrictions.
ii. Continue to implement reconnaissance activities to identify and deter potential open burning activities.
iii. Continue to provide non-compliance prevention guidance for open burning activities.
iv. Approve, if appropriate, notifications submitted for open burning.
e. Continue to improve the Area Source Compliance's outreach/communication programs by incorporating needed changes or additions.
5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.
a. Continue to expand and update the air toxics content on the DAQ's web site.
b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of new air toxics standards.
c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ's web site.
d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.
6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.
a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/15, 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 by 10/15, if needed.

2014 - 2018 Air Toxics Strategic Plan

Year 2015

Implement appropriate actions to reduce the harm from exposure to air toxics
7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Adopt a new regulation to reduce emissions from motor vehicles by providing requirements for the use of aftermarket catalytic converters that is similar to an approved OTC model rule.
i. Finalize the adoption or amendment by 3Q/15.
b. Adopt a new regulation or amend Regulation 1131 to reduce emissions by providing diesel inspection and maintenance (I/M) program requirements for medium and heavy-duty diesel engines and equipment that is similar to an approved OTC model rule.
i. Complete needs assessment by 1Q/15.
ii. Submit Start Action Notice by 1Q/15.
c. Adopt the Federal Sub RRR residual risk and technology development requirements applicable to secondary aluminum production facilities into Section 12 of Regulation 1138.
i. Conduct public workshop(s) by 1Q/15.
ii. Conduct public hearing by 3Q/15.
iii. Complete final stringency determinations by 2Q/15.
iv. Finalize the adoption by 4Q/15.
v. Publish final compliance assistance tools by 4Q/15.
d. Adopt the Federal Sub VVVVVV area source standard applicable to Chemical Manufacturing facilities into Regulation 1138.
i. Complete initial stringency determinations by 4Q/15.
e. Revise existing and develop new control strategies, as needed.
i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2015.
ii. Develop path forward for residual risk standards applicable area sources finalized in 2015.
iii. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
8. Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.
9. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
10. 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.

Year 2015

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 from exposure to air toxics, as needed.
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.

2014 - 2018 Air Toxics Strategic Plan

Year 2015

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

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| 4. Insure continued or improved compliance of stationary sources. |
| a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2014-15 Compliance Monitoring Plan. |
| b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows: |
| i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2014-15 timeframe. |
| ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2014-15 timeframe. |
| iii. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2014-15 timeframe. |
| iv. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2014-15 timeframe. |
| v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2014-15 timeframe. |
| vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2014-15 timeframe. |
| vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2014-15 timeframe. |
| viii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2014-15 timeframe; total potential population is ~25 facilities. |
| ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, covered during the 2014-15 timeframe. |
| x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2014-15 timeframe. |
| xi. The 1 gasoline distribution operation, subject to Federal Sub BBBB, covered during the 2014-15 timeframe. |
| xii. The 2 chemical manufacturing operations, subject to Federal Sub VVVVVV, covered during the 2014-15 timeframe. |
| xiii. The 5 prepared feed operations, subject to Reg. 1138 Section 17, covered during the 2014-15 timeframe. |
| xiv. Other area source air toxics standards covered during the 2014-15 timeframe. |
| c. By 9/15, perform compliance evaluations (CE) at area air toxics sources as follows: |
| i. 50% or ~26 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities. |
| ii. 50% or ~65 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~130 facilities. |
| iii. 10% or ~78 gasoline delivery vessels; total population is ~780 facilities. |
| d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system. |
| e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2015; total population is ~348 facilities. |
| f. Continue to implement the Asbestos Demolition/Renovation Program. |
| i. Perform site inspections at asbestos demolition/renovation sites. |
| 5. Conduct annual "remote sensing" studies to meet ozone State Implementation Plan requirements. |
| 6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate. |
| 7. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data). |

2014 - 2018 Air Toxics Strategic Plan

Year 2015

Identify options for reducing air toxics in the environment
1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts.
a. Participate in DAQ's risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts.
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 greenhouse gases, develop strategies, and identify DE solutions.
4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
5. 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 DeIDOT on the priority of funding projects with CMAQ funds. Report status to EPA R3, as appropriate.
6. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide.
7. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
8. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
9. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
10. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
11. Identify grant and funding opportunities.
a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
12. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities.
13. Provide technical assistance on lightering operations to DAQ, as needed.

Year 2015

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 to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
e. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities.

2014 - 2018 Air Toxics Strategic Plan

Year 2015

Build greater understanding of ambient air toxics environment
1. Determine ambient air toxics concentrations for selected HAPs in Delaware.
f. Undertake new or special monitoring needs that may surface.
i. Undertake air toxics (i.e. BTEX) monitoring project at the Delaware City Refinery (DCR) monitoring station.
1. Complete the BTEX monitoring project at the DCR monitoring station by 2Q14.
2. Identify and implement another air toxics monitoring opportunity that would utilize the capabilities of the WTS field gas chromatograph deployed in the moveable monitoring platform.
ii. Undertake air toxics monitoring projects using the mobile monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community and internal needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

Year 2015

Identify potential harm from exposure to air toxics
1. Identify the potential for unacceptable air toxics impacts.
a. Provide modeling support to assist DAQ's risk management program, including providing screen modeled risk results using new monitoring or inventory information, if available.
b. Identify potentially higher risk locations for siting the moveable monitoring platform, using existing local-scale modeled results.
c. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.
d. Coordinate DPH risk assessment support when DAQ's risk management process activities identify potentially unacceptable air toxics impacts.
2. Continue to provide historical and projected emissions information in support of DAQ's air toxics modeling activities to identify unacceptable air toxics impacts.
3. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.
a. Provide modeling support to DAQ's special monitoring projects.
i. Air toxics (i.e. BTEX) monitoring project at the Delaware City Refinery (DCR) monitoring station.
4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.

Year 2015

Gather information related to air toxics sources
1. Develop and submit the 2014 NEI for HAPs by 12/31/15.
2. Continue to 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 from exposure to air toxics, as needed.
4. By 12/15, identify and enter into DENs all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
5. By 12/15, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.

2014 - 2018 Air Toxics Strategic Plan

Year 2015

Gather information related to air toxics sources

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| 6. Continue to quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors. |
| 7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2015. |
| 8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed. |
| 9. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS). |

Year 2015

Implement an on-going program to address the risks from exposure to air toxic

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| 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 2014 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 2015 individual Strategic Plans. |
| d. Track implementation and report mid-year status on the 2015 Air Toxics Strategic Plan. |
| e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2016 Air Toxics Strategic Plan. |
| f. Updating of the Air Toxics Strategic Plan for 2016-2020 |
| i. Review and revise, if needed, air toxics area source program and timing, as part of the 2016 Air Toxics Strategic Plan by 10/15. |
| ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2016 Air Toxics Strategic Plan by 11/15. |
| iii. Coordinate development of the 2016 Air Toxics Strategic Plan. |
| iv. Update individual Strategic Plans for 2016-2020. |
| v. Update and finalize 2016 Air Toxics Strategic Plan for years 2016 to 2020. |

Year 2015

Air toxics resource development

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| 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. Continue to build a volunteer base in DAQ. |
| 4. Continue to implement newly found mechanisms to improve air toxics communications between branches. |

2016

2014 - 2018 Air Toxics Strategic Plan

Year 2016

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. Facilitate the implementation of diesel emission reduction projects.
b. Continue to support of the SmartWay Transport programs.
i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.
ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c. Implement the "Smoking Vehicle Reduction Program".
d. Implement projects to reduce emissions from the transportation sector.
i. Continue to facilitate the implementation of the selected Delaware appropriate transportation sector options, if resources can be identified.
ii. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.
2. Insure continued or improved compliance of stationary sources.
a. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
b. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.
c. Continue to implement the Asbestos Demolition/Renovation Program.
i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).
ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.
iii. Respond to incidences of improper disposal of asbestos containing wastes.
d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.
e. Incorporate updated MACT and Residual Risk requirements in air permits.
i. Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
ii. Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation 1130, as needed.
f. Continue to incorporate Area Source Standard requirements into natural minor source permits, as necessary, for
i. All new installations that are subject to area source standards in Reg. 1138.
ii. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.
iii. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
iv. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
v. New sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
vi. Newly identified existing sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
g. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.
h. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
i. Sources subject to the motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
ii. Sources subject to the perchloroethylene dry cleaning standard (1138 Sect 5).

2014 - 2018 Air Toxics Strategic Plan

Year 2016

Implement appropriate actions to reduce the harm from exposure to air toxics
3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.
a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
d. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.
4. Implement other air toxics-related communications and outreach programs
a. Continue to implement a diesel anti-idling educational program.
i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.
b. Actively promote the development and implementation of educational programs.
i. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP).
ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students.
iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.
1. Delaware Envirothon.
2. Delaware State Fair.
3. Delaware Coast Day.
4. Other opportunities, as identified.
c. Continue to participate in Claymont Coalition meetings.
d. Continue to improve compliance with Delaware's open burning requirements.
i. Continue to educate the public on Delaware's open burning restrictions.
ii. Continue to implement reconnaissance activities to identify and deter potential open burning activities.
iii. Continue to provide non-compliance prevention guidance for open burning activities.
iv. Approve, if appropriate, notifications submitted for open burning.
e. Continue to improve the Area Source Compliance's outreach/communication programs by incorporating needed changes or additions.
5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.
a. Continue to expand and update the air toxics content on the DAQ's web site.
b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of new air toxics standards.
c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ's web site.
d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.
6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.
a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/16, 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 by 10/16, if needed.

2014 - 2018 Air Toxics Strategic Plan

Year 2016

Implement appropriate actions to reduce the harm from exposure to air toxics
7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a. Adopt a new regulation or amend Regulation 1131 to reduce emissions by providing diesel inspection and maintenance (I/M) program requirements for medium and heavy-duty diesel engines and equipment that is similar to an approved OTC model rule.
i. Finalize the adoption or amendment by 1Q/16.
b. Adopt the Federal Sub RRR residual risk and technology development requirements applicable to secondary aluminum production facilities into Section 12 of Regulation 1138.
i. Submit delegation package by 1Q/16.
c. Adopt the Federal Sub VVVVVV area source standard applicable to Chemical Manufacturing facilities into Regulation 1138.
i. Submit Start Action Notice by 1Q/16.
ii. Conduct public workshop(s) by 2Q/16.
iii. Conduct public hearing by 4Q/16.
iv. Complete final stringency determinations by 4Q/16.
d. Revise existing and develop new control strategies, as needed.
i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2016.
ii. Develop path forward for residual risk standards applicable area sources finalized in 2016.
iii. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
8. Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.
9. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
10. 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.

Year 2016

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 from exposure to air toxics, as needed.
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. Insure continued or improved compliance of stationary sources.
a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2016-17 Compliance Monitoring Plan.
b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows:
i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2016-17 timeframe.
ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2016-17 timeframe.

2014 - 2018 Air Toxics Strategic Plan

Year 2016

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

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| 4. Insure continued or improved compliance of stationary sources. |
| b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows: |
| iii. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2016-17 timeframe. |
| iv. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2016-17 timeframe. |
| v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2016-17 timeframe. |
| vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2016-17 timeframe. |
| vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2016-17 timeframe. |
| viii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2016-17 timeframe; total potential population is ~25 facilities. |
| ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, covered during the 2016-17 timeframe. |
| x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2016-17 timeframe. |
| xi. The 2 chemical manufacturing operations, subject to Federal Sub VVVVVV, covered during the 2016-17 timeframe. |
| xii. The 5 prepared feed operations, subject to Reg. 1138 Section 17, covered during the 2016-17 timeframe. |
| xiii. The 1 gasoline distribution facilities, subject to Federal Sub BBBBBB, covered during the 2016-17 timeframe. |
| xiv. Other area source air toxics standards covered during the 2016-17 timeframe. |
| c. By 9/16, perform compliance evaluations (CE) at area air toxics sources as follows: |
| i. 50% or ~26 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities. |
| ii. 50% or ~65 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~130 facilities. |
| iii. 10% or ~78 gasoline delivery vessels; total population is ~780 facilities. |
| d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system. |
| e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2016; total population is ~348 facilities. |
| f. Continue to implement the Asbestos Demolition/Renovation Program. |
| i. Perform site inspections at asbestos demolition/renovation sites. |
| 5. Conduct annual "remote sensing" studies to meet ozone State Implementation Plan requirements. |
| 6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate. |
| 7. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data). |

Year 2016

Identify options for reducing air toxics in the environment

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| 1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts. |
| a. Participate in DAQ's risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts. |
| 2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. |

2014 - 2018 Air Toxics Strategic Plan

Year 2016

Identify options for reducing air toxics in the environment
3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to greenhouse gases, develop strategies, and identify DE solutions.
4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
5. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants. <ol style="list-style-type: none"> 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.
6. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
7. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
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. <ol style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
9. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate. <ol style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
10. Identify grant and funding opportunities. <ol style="list-style-type: none"> a. Facilitate the identification, preparation and submission for transportation-related grants or other funding. b. Identify funding for preferred paths forward, to reduce the unacceptable public health risk from mobile source air toxics, if identified, based on evaluation of information available from DAQ monitoring or modeling projects.
11. Continue to implement Stage II decommissioning strategy for gasoline dispensing facilities.
12. Provide technical assistance on lightering operations to DAQ, as needed.

Year 2016

Build greater understanding of ambient air toxics environment
1. Determine ambient air toxics concentrations for selected HAPs in Delaware. <ol style="list-style-type: none"> 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 to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. e. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities. f. Undertake new or special monitoring needs that may surface. <ol style="list-style-type: none"> i. Undertake air toxics monitoring projects using the mobile monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community and internal needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

2014 - 2018 Air Toxics Strategic Plan

Year 2016

Identify potential harm from exposure to air toxics
1. Identify the potential for unacceptable air toxics impacts.
a. Using existing modeled results, identify candidate locations for air toxics monitoring using the mobile monitoring platform.
b. Provide modeling support to assist DAQ's risk management program, including providing screen modeled risk results using new monitoring or inventory information, if available.
c. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.
d. Coordinate DPH risk assessment support when DAQ's risk management process activities identify potentially unacceptable air toxics impacts.
2. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.
a. Provide modeling support to DAQ's special monitoring projects.
3. Continue to provide historical and projected emissions information in support of DAQ's air toxics modeling activities to identify unacceptable air toxics impacts.
4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.

Year 2016

Gather information related to air toxics sources
1. Continue to provide emissions inventory support to the air toxics education and reduction programs, as required.
2. Track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics, as needed.
3. By 12/16, identify and enter into DENs all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
4. By 12/16, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
5. Continue to quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors.
6. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2016.
7. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
8. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).

2014 - 2018 Air Toxics Strategic Plan

Year 2016

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 2015 individual Strategic Plans.
b. Track implementation and report year-end-status of the 2015 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2016 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2016 Air Toxics Strategic Plan.
e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2017 Air Toxics Strategic Plan.
f. Updating of the Air Toxics Strategic Plan for 2017-2021
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2017 Air Toxics Strategic Plan by 10/16.
ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2017 Air Toxics Strategic Plan by 11/16.
iii. Coordinate development of the 2017 Air Toxics Strategic Plan.
iv. Update individual Strategic Plans for 2017-2021.
v. Update and finalize 2017 Air Toxics Strategic Plan for years 2017 to 2021.

Year 2016

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. Continue to build a volunteer base in DAQ.
4. Continue to implement newly found mechanisms to improve air toxics communications between branches.

2017

2014 - 2018 Air Toxics Strategic Plan

Year 2017

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source diesel emission reduction projects.
a. Facilitate the implementation of diesel emission reduction projects.
b. Continue to support of the SmartWay Transport programs.
i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.
ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c. Implement projects to reduce emissions from the transportation sector.
i. Continue to facilitate the implementation of the selected Delaware appropriate transportation sector options, if resources can be identified.
ii. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.
2. Insure continued or improved compliance of stationary sources.
a. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
b. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.
c. Continue to implement the Asbestos Demolition/Renovation Program.
i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).
ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.
iii. Respond to incidences of improper disposal of asbestos containing wastes.
d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.
e. Continue to implement Stage II decommissioning strategy for gasoline dispensing 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 1130, as needed.
g. Continue to incorporate Area Source Standard requirements into natural minor source permits, as necessary, for
i. All new installations that are subject to area source standards in Reg. 1138.
ii. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.
iii. All existing secondary aluminum production operations subject to the revised requirements of Reg. 1138 Section 12.
iv. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
v. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
vi. New sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
vii. Newly identified existing sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
h. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.
i. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
i. Sources subject to the motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
ii. Sources subject to the perchloroethylene dry cleaning standard (1138 Sect 5).

2014 - 2018 Air Toxics Strategic Plan

Year 2017

Implement appropriate actions to reduce the harm from exposure to air toxics
3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.
a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
d. Begin implementation of preferred paths forward to reduce unacceptable risk from mobile source air toxics, when identified, based on evaluation of information available from DAQ monitoring or modeling projects, when funding is obtained.
e. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.
4. Implement other air toxics-related communications and outreach programs
a. Continue to implement a diesel anti-idling educational program.
i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.
b. Actively promote the development and implementation of educational programs.
i. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP).
ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students.
iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.
1. Delaware Envirothon.
2. Delaware State Fair.
3. Delaware Coast Day.
4. Other opportunities, as identified.
c. Continue to participate in Claymont Coalition meetings.
d. Continue to improve compliance with Delaware's open burning requirements.
i. Continue to educate the public on Delaware's open burning restrictions.
ii. Continue to implement reconnaissance activities to identify and deter potential open burning activities.
iii. Continue to provide non-compliance prevention guidance for open burning activities.
iv. Approve, if appropriate, notifications submitted for open burning.
e. Continue to improve the Area Source Compliance's outreach/communication programs by incorporating needed changes or additions.
5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.
a. Continue to expand and update the air toxics content on the DAQ's web site.
b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of new air toxics standards.
c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ's web site.
d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.

2014 - 2018 Air Toxics Strategic Plan

Year 2017

Implement appropriate actions to reduce the harm from exposure to air toxics	
6.	Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.
a.	Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/17, 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 by 10/17, if needed.
7.	Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a.	Adopt the Federal Sub VVVVVV area source standard applicable to Chemical Manufacturing facilities into Regulation 1138.
i.	Finalize the adoption by 1Q/17.
ii.	Publish final compliance assistance tools by 2Q/17.
iii.	Submit delegation package by 2Q/17. Submit delegation package by 2Q/17.
b.	Adopt the Federal Sub JJJJJJ area standard applicable to Industrial, Commercial, and Institutional Boilers into Regulation 1138.
i.	Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and finalize regulatory path forward, if necessary, by 1Q/17.
ii.	Submit Start Action Notice by 2Q/17.
iii.	Conduct workgroup meetings during 3Q/17. Conduct workgroup meetings during 3Q/17.
iv.	Conduct public workshop(s) by 4Q/17.
c.	Revise existing and develop new control strategies, as needed.
i.	Develop path forward for applicable area source air toxics and incinerator standards finalized in 2017.
ii.	Develop path forward for residual risk standards applicable area sources finalized in 2017.
iii.	If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
8.	Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.
9.	Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
10.	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.

Year 2017

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 from exposure to air toxics, as needed.
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.	Insure continued or improved compliance of stationary sources.
a.	Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2016-17 Compliance Monitoring Plan.

2014 - 2018 Air Toxics Strategic Plan

Year 2017

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

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| 4. Insure continued or improved compliance of stationary sources. |
| b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows: |
| i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2016-17 timeframe. |
| ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2016-17 timeframe. |
| iii. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2016-17 timeframe. |
| iv. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2016-17 timeframe. |
| v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2016-17 timeframe. |
| vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2016-17 timeframe. |
| vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2016-17 timeframe. |
| viii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2016-17 timeframe; total potential population is ~25 facilities. |
| ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, covered during the 2016-17 timeframe. |
| x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2016-17 timeframe. |
| xi. The 2 chemical manufacturing operations, subject to Federal Sub VVVVVV, covered during the 2016-17 timeframe. |
| xii. The 5 prepared feed operations, subject to Reg. 1138 Section 17, covered during the 2016-17 timeframe. |
| xiii. The 1 gasoline distribution facilities, subject Federal Sub BBBBBB, covered during the 2016-17 timeframe. |
| xiv. Other area source air toxics standards covered during the 2016-17 timeframe. |
| c. By 9/17, perform compliance evaluations (CE) at area air toxics sources as follows: |
| i. 50% or ~26 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities. |
| ii. 50% or ~65 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~130 facilities. |
| iii. 10% or ~78 gasoline delivery vessels; total population is ~780 facilities. |
| d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system. |
| e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2017; total population is ~348 facilities. |
| f. Continue to implement the Asbestos Demolition/Renovation Program. |
| i. Perform site inspections at asbestos demolition/renovation sites. |
| 5. Conduct annual "remote sensing" studies to meet ozone State Implementation Plan requirements. |
| 6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate. |
| 7. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data). |

Year 2017

Identify options for reducing air toxics in the environment

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| 1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts. |
| a. Participate in DAQ's risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts. |
| 2. Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. |

2014 - 2018 Air Toxics Strategic Plan

Year 2017

Identify options for reducing air toxics in the environment
3. Continue participation on internal, local, regional, and national committees to identify air quality problems related to greenhouse gases, develop strategies, and identify DE solutions.
4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
5. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants. <ul style="list-style-type: none"> 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.
6. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
7. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
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. <ul style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
9. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate. <ul style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
10. Identify grant and funding opportunities. <ul style="list-style-type: none"> a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
11. Provide technical assistance on lightering operations to DAQ, as needed.

Year 2017

Build greater understanding of ambient air toxics environment
1. Determine ambient air toxics concentrations for selected HAPs in Delaware. <ul style="list-style-type: none"> 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 to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. e. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities. f. Undertake new or special monitoring needs that may surface. <ul style="list-style-type: none"> i. Undertake air toxics monitoring projects using the mobile monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community and internal needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

2014 - 2018 Air Toxics Strategic Plan

Year 2017

Identify potential harm from exposure to air toxics	
1.	Identify the potential for unacceptable air toxics impacts.
a.	Identify potentially higher risk locations for siting the moveable monitoring platform, using existing local-scale modeled results.
b.	Provide modeling support to assist DAQ's risk management program, including providing screen modeled risk results using new monitoring or inventory information, if available.
c.	Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.
d.	Coordinate DPH risk assessment support when DAQ's risk management process activities identify potentially unacceptable air toxics impacts.
2.	Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.
a.	Continue to provide modeling support to DAQ's special monitoring projects.
3.	Continue to provide historical and projected emissions information in support of DAQ's air toxics modeling activities to identify unacceptable air toxics impacts.
4.	Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.

Year 2017

Gather information related to air toxics sources	
1.	Develop emissions inventory protocol for the implementation of the 2017 NEI, if needed.
2.	Continue to 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 from exposure to air toxics, as needed.
4.	By 12/17, identify and enter into DENs all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
5.	By 12/17, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
6.	Continue to quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors.
7.	Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2017.
8.	Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
9.	Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).

2014 - 2018 Air Toxics Strategic Plan

Year 2017

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 2016 individual Strategic Plans.
b. Track implementation and report year-end-status of the 2016 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2017 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2017 Air Toxics Strategic Plan.
e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2018 Air Toxics Strategic Plan.
f. Updating of the Air Toxics Strategic Plan for 2018-2022
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2018 Air Toxics Strategic Plan by 10/17.
ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2018 Air Toxics Strategic Plan by 11/17.
iii. Coordinate development of the 2018 Air Toxics Strategic Plan.
iv. Update individual Strategic Plans for 2018-2022.
v. Update and finalize 2018 Air Toxics Strategic Plan for years 2018 to 2022.

Year 2017

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. Continue to build a volunteer base in DAQ.
4. Continue to implement newly found mechanisms to improve air toxics communications between branches.

2018

2014 - 2018 Air Toxics Strategic Plan

Year 2018

Implement appropriate actions to reduce the harm from exposure to air toxics
1. Promote the implementation of mobile source diesel emission reduction projects.
a. Facilitate the implementation of diesel emission reduction projects.
b. Continue to support of the SmartWay Transport programs.
i. Continue to monitor usage of kiosk service systems at diesel truck electrification sites.
ii. Continue to monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
c. Implement projects to reduce emissions from the transportation sector.
i. Continue to facilitate the implementation of the selected Delaware appropriate transportation sector options, if resources can be identified.
ii. Implement projects to reduce greenhouse gases and air toxics from the transportation sector.
2. Insure continued or improved compliance of stationary sources.
a. Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
b. Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.
c. Continue to implement the Asbestos Demolition/Renovation Program.
i. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).
ii. Educate the public, certified contractors, professional service firms, and government agencies on the proper removal and disposal of asbestos.
iii. Respond to incidences of improper disposal of asbestos containing wastes.
d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage 1 and Stage 2 requirements.
e. Continue to implement Stage II decommissioning strategy for gasoline dispensing 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 1130, as needed.
g. Continue to incorporate Area Source Standard requirements into natural minor source permits, as necessary, for
i. All new installations that are subject to area source standards in Reg. 1138.
ii. All existing miscellaneous parts and products manufacturing facilities determined to be subject to the paint stripping requirements in Reg. 1138 Section 13 and/or the surface coating requirements in Reg. 1138 Section 14.
iii. All existing area source chemical manufacturing facilities subject to the Federal Subpart 6V requirements that were newly adopted into Reg. 1138.
iv. New sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
v. Unpermitted existing sources subject to perchloroethylene dry cleaning standard (1138 Sect 5).
vi. New sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
vii. Newly identified existing sources subject to motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
h. Review and approve Stage I and Stage II permit applications at gasoline dispensing facilities.
i. Continue Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
i. Sources subject to the motor vehicle and mobile equipment surface coating standard (1138 Sect 15).
ii. Sources subject to the perchloroethylene dry cleaning standard (1138 Sect 5).

2014 - 2018 Air Toxics Strategic Plan

Year 2018

Implement appropriate actions to reduce the harm from exposure to air toxics
3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.
a. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to a stationary source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
b. If DAQ identifies a local area or condition that results in unacceptable risk that is specific to an area source or sources, identify and convene the appropriate stakeholders to develop an appropriate control technology path forward to address the unacceptable risk.
c. If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
d. Implement preferred paths forward to reduce unacceptable risk from mobile source air toxics, when identified, based on evaluation of information available from DAQ monitoring or modeling projects, when funding is obtained.
e. If unacceptable air toxics risk associated with mobile sources is identified, develop and implement appropriate educational and reduction program.
4. Implement other air toxics-related communications and outreach programs
a. Continue to implement a diesel anti-idling educational program.
i. Conduct anti-idling outreach programs for schools and report status to EPA R3, as appropriate.
ii. Conduct anti-idling outreach programs for the trucking industry and report status to EPA R3, as appropriate.
b. Actively promote the development and implementation of educational programs.
i. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP).
ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students.
iii. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs.
1. Delaware Envirothon.
2. Delaware State Fair.
3. Delaware Coast Day.
4. Other opportunities, as identified.
c. Continue to participate in Claymont Coalition meetings.
d. Continue to improve compliance with Delaware's open burning requirements.
i. Continue to educate the public on Delaware's open burning restrictions.
ii. Continue to implement reconnaissance activities to identify and deter potential open burning activities.
iii. Continue to provide non-compliance prevention guidance for open burning activities.
iv. Approve, if appropriate, notifications submitted for open burning.
e. Continue to improve the Area Source Compliance's outreach/communication programs by incorporating needed changes or additions.
5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.
a. Continue to expand and update the air toxics content on the DAQ's web site.
b. Continue to provide pertinent and timely information to the public and regulated community on DAQ's web site during the adoption of new air toxics standards.
c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ's web site.
d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.

2014 - 2018 Air Toxics Strategic Plan

Year 2018

Implement appropriate actions to reduce the harm from exposure to air toxics	
6.	Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.
a.	Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/18, 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 by 10/18, if needed.
7.	Adopt new and amend existing air toxics regulations for mobile and stationary sources.
a.	Adopt the Federal Sub JJJJJ area standard applicable to Industrial, Commercial, and Institutional Boilers into Regulation 1138.
i.	Conduct public hearing by 1Q/18. Conduct public hearing by 1Q/18.
ii.	Complete final stringency determinations by 1Q/18.
iii.	Finalize the adoption by 2Q/18.
iv.	Publish final compliance assistance tools 2Q/18. Publish final compliance assistance tools 2Q/18.
v.	Submit delegation package by 3Q/18.
b.	Amend infrastructure standard, Section 3 of Regulation 1138, for appropriate revisions to the Federal General Provisions (Federal Sub A), if Federal amendments have been finalized – or – adopt the Federal Sub ZZZZ Federal Sub ZZZZ area source requirements applicable to Stationary Reciprocating Internal Combustion Engines into Regulation 1138.
i.	Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and finalize regulatory path forward, if necessary, by 1Q/18.
ii.	Submit Start Action Notice by 2Q/18.
c.	Revise existing and develop new control strategies, as needed.
i.	Develop path forward for applicable area source air toxics and incinerator standards finalized in 2018.
ii.	Develop path forward for residual risk standards applicable area sources finalized in 2018.
iii.	If DAQ identifies a local area or condition that results in unacceptable risk that needs to be addressed through a regulatory action, identify and convene the appropriate stakeholders to develop an appropriate regulatory path forward to address the unacceptable risk.
8.	Continue to evaluate and recommend improvements to the inspection and maintenance (I/M) program reporting process.
9.	Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
10.	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.

Year 2018

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 from exposure to air toxics, as needed.
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.

2014 - 2018 Air Toxics Strategic Plan

Year 2018

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

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| 4. Insure continued or improved compliance of stationary sources. |
| a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2018-19 Compliance Monitoring Plan. |
| b. Perform full compliance evaluations (FCEs) of facilities subject to area source air toxics standards as follows: |
| i. The 2 chrome plating facilities, subject to Reg. 1138 Section 6, covered during the 2018-19 timeframe. |
| ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, covered during the 2018-19 timeframe. |
| iii. The 1 hazardous waste combustor, subject to Federal Sub EEE, covered during the 2018-19 timeframe. |
| iv. The 3 municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2018-19 timeframe. |
| v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, covered during the 2018-19 timeframe. |
| vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, covered during the 2018-19 timeframe. |
| vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, covered during the 2018-19 timeframe. |
| viii. 40% or ~10 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, covered during the 2018-19 timeframe; total potential population is ~25 facilities. |
| ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, covered during the 2018-19 timeframe. |
| x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, covered during the 2018-19 timeframe. |
| xi. The 2 chemical manufacturing operations, subject to Federal Sub VVVVVV, covered during the 2018-19 timeframe. |
| xii. The 5 prepared feed operations, subject to Reg. 1138 Section 17, covered during the 2018-19 timeframe. |
| xiii. The 2 gasoline distribution facilities, subject to Federal Sub BBBBBB, covered during the 2018-19 timeframe. |
| xiv. Other area source air toxics standards covered during the 2018-19 timeframe. |
| c. By 9/17, perform compliance evaluations (CE) at area air toxics sources as follows: |
| i. 50% or ~26 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities. |
| ii. 50% or ~65 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~130 facilities. |
| iii. 10% or ~78 gasoline delivery vessels; total population is ~780 facilities. |
| d. Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to testing requirements per the California Air Board requirements that are applicable to the system. |
| e. Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2018; total population is ~348 facilities. |
| f. Continue to implement the Asbestos Demolition/Renovation Program. |
| i. Perform site inspections at asbestos demolition/renovation sites. |
| 5. Conduct annual "remote sensing" studies to meet ozone State Implementation Plan requirements. |
| 6. Continue to audit inspection and maintenance (I/M) program and submit annual I/M report to EPA R3, if appropriate. |
| 7. Evaluate compliance to motor vehicle registration denials resulting from failed emissions tests (i.e. using DELJIS data). |

2014 - 2018 Air Toxics Strategic Plan

Year 2018

Identify options for reducing air toxics in the environment
1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts.
a. Participate in DAQ's risk management process to identify, assess, and mitigate local areas or conditions of unacceptable air toxics impacts.
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 greenhouse gases, develop strategies, and identify DE solutions.
4. Continue working with the Transportation & Climate Initiative (TCI) to identify other Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
5. 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.
6. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
7. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
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. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
9. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
10. Identify grant and funding opportunities.
a. Facilitate the identification, preparation and submission for transportation-related grants or other funding.
11. Provide technical assistance on lightering operations to DAQ, as needed.

Year 2018

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 to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.
e. Continue to support the gas chromatographic mass spectrometer platform operations and maintenance through additional monitoring activities.
f. Undertake new or special monitoring needs that may surface.
i. Undertake air toxics monitoring projects using the mobile monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community and internal needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

2014 - 2018 Air Toxics Strategic Plan

Year 2018

Identify potential harm from exposure to air toxics
1. Identify the potential for unacceptable air toxics impacts.
a. Identify potentially higher risk locations for siting the moveable monitoring platform, using existing local-scale modeled results.
b. Provide modeling support to assist DAQ's risk management program, including providing screen modeled risk results using new monitoring or inventory information, if available.
c. Continue to perform screen modeling to address potential air toxics risks during the permitting of new or modified stationary sources.
d. Coordinate DPH risk assessment support when DAQ's risk management process activities identify potentially unacceptable air toxics impacts.
2. Analyze monitoring data from completed special monitoring projects and refine air toxics model, if appropriate.
a. Provide modeling support to DAQ's special monitoring projects.
3. Continue to provide historical and projected emissions information in support of DAQ's air toxics modeling activities to identify unacceptable air toxics impacts.
4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.

Year 2018

Gather information related to air toxics sources
1. Develop emissions inventory protocol for the implementation of the 2017 NEI, if needed.
2. Continue to 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 from exposure to air toxics, as needed.
4. By 12/18, identify and enter into DENs all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
5. By 12/18, identify and enter into AFS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
6. Continue to quantify and compare annual VOC emissions from Delaware collision repair activities to the currently established emissions factors.
7. Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2017.
8. Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
9. Monitor and maintain the Delaware Online Asbestos Notification System (DOANS).

2014 - 2018 Air Toxics Strategic Plan

Year 2018

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 2017 individual Strategic Plans.
b. Track implementation and report year-end-status of the 2017 Air Toxics Strategic Plan.
c. Review status and complete mid-year status report on the 2018 individual Strategic Plans.
d. Track implementation and report mid-year status on the 2018 Air Toxics Strategic Plan.
e. Continue to conduct gap analyses within the risk-based strategic planning process and incorporate the results into the development of the 2019 Air Toxics Strategic Plan.
f. Updating of the Air Toxics Strategic Plan for 2019-2023
i. Review and revise, if needed, air toxics area source program and timing, as part of the 2019 Air Toxics Strategic Plan by 10/18.
ii. Review and revise, if needed, air toxics area source activities and timing, as part of the 2019 Air Toxics Strategic Plan by 11/18.
iii. Coordinate development of the 2019 Air Toxics Strategic Plan.
iv. Update individual Strategic Plans for 2019-2023.
v. Update and finalize 2019 Air Toxics Strategic Plan for years 2019 to 2023.

Year 2018

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. Continue to build a volunteer base in DAQ.
4. Continue to implement newly found mechanisms to improve air toxics communications between branches.