

Delaware
Division of Air Quality
2015 - 2019
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 2015 - 2019 ATSP, finalized on December 30, 2014, 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**
- **Continue to implement the Air Toxics Strategic Plan**
- **Enhance DAQ Air Toxics Resources**

ACRONYMS

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
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
FCEs	Full Compliance Evaluations
FY	Fiscal Year
GACT	Generally Achievable Control Technology
HAPs	Hazardous Air Pollutants
ICIS	EPA’s Integrated Compliance Information System
LEV/ZEV	Low Emission Vehicles/Zero Emission Vehicles
MACT	Maximum Achievable Control Technology
MADC	Mid Atlantic Diesel Collaborative
MARAMA	Mid-Atlantic Regional Air Management Association
MPO	Metropolitan Planning Organization
NATA	National Air Toxics Assessment
NEI	EPA’s National Emissions Inventory
OTC	Ozone Transport Commission
UST	Underground Storage Tank
VOC	Volatile Organic Compound
WTS	Gas Chromatograph manufacturer

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. Administer projects under the Federal Diesel Emission Reduction Act Grant Program
i. State Grant (EPA FY15) – Purchase Tier 4 Street Sweeper for DelDOT.
ii. Competitive Grant (EPA FY15) – Support MARAMA’s grant at the Port of Wilmington.
iii. Continue to identify potential vehicles/projects for diesel emission reduction.
b. Establish the “Smoking Vehicle Reduction Program”, if implementation is warranted and funding obtained.
c. Continue to support of EPA’s 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.
iv. Respond to incidences of improper management of projects potentially involving asbestos-containing materials.
v. Establish asbestos-related information sharing with agencies that issue local or county demolition permits.
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.
3. IKO to include asphalt processing and asphalt roofing products manufacturing operations requirements in Reg. 1138 Section 16 by 12/15.
4. All existing prepared feed manufacturing facilities subject to requirements of Reg. 1138 Section 17 by 12/15.
5. 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 12/15.
6. Industraplate to include plating and polishing operations requirements in Reg. 1138 Section 10 by 12/15.
7. Procino Plating to include the residual risk requirements of the chromium electroplating standard in Reg. 1138 Section 6 by 12/15.
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).

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Year 2015

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>2. Insure continued or improved compliance of stationary sources.</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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).
<p>3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.</p> <ul style="list-style-type: none"> 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.
<p>4. Implement other air toxics-related communications and outreach programs.</p> <ul style="list-style-type: none"> a. Continue to implement a diesel anti-idling educational program. <ul style="list-style-type: none"> i. Conduct school bus 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. <ul style="list-style-type: none"> i. Continue to provide the daily Air Quality Forecast on the DNREC home page. <ul style="list-style-type: none"> 1. Prepare a Request for Purchase (RFP) for a vendor to provide the daily Air Quality Forecast in 2015 and beyond. 2. Issue contract to appropriate vendor. ii. Continue working with the Air Quality Partnership (AQP) on a character branding project targeted to elementary school students. <ul style="list-style-type: none"> 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. iii. Continue to incorporate DAQ's moveable monitoring platform in educational programs, when appropriate. iv. Continue working with the DVRPC on educational programs for AQP. v. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs. <ul style="list-style-type: none"> 1. Delaware Envirothon. 2. Air Quality Awareness Week. 3. Delaware State Fair. 4. Delaware Coast Day. 5. Other opportunities, as identified. c. Continue to participate in Claymont Coalition meetings. d. Continue to improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> i. Continue to provide information to the public on Delaware's open burning restrictions. <ul style="list-style-type: none"> 1. Provide case-by-case guidance to the public on residential burns. 2. Provide ongoing guidance to the fire companies. 3. Provide case-by-case guidance for agricultural burns. 4. Provide case-by-case guidance for silvicultural burns for disease control.

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Year 2015

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>4. Implement other air toxics-related communications and outreach programs.</p> <ul style="list-style-type: none"> d. Continue to improve compliance with Delaware's open burning requirements <ul style="list-style-type: none"> 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. Process notifications submitted for open burning. e. Continue to improve the Area Source Compliance's educational, outreach, and communication programs by incorporating needed changes or additions.
<p>5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.</p> <ul style="list-style-type: none"> 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 or amendment to air toxics standards in Regulation 1138. c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ web site. d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.
<p>6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.</p> <ul style="list-style-type: none"> 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.
<p>7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.</p> <ul style="list-style-type: none"> a. Adopt new and/or amend existing regulations to reduce mobile source emissions, initially selecting from the following identified emission control strategies. <ul style="list-style-type: none"> i. Reevaluate and develop path forward for amending Regulation 1131, which would expand the low enhanced inspection and maintenance (I/M) program statewide. ii. 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. iii. 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. iv. Adopt a new regulation or amend existing Regulation 1145 to reduce excessive emissions from nonroad vehicles by providing anti-idling requirements that are similar to an approved OTC model rule. b. Amend Section 36 of 7 DE Admin. Code 1124 requirements applicable to Stage II vapor recovery controls at gasoline dispensing facilities (GDFs) by 12/15. c. Adopt the Federal Subpart VVVVVV area source standard applicable to Chemical Manufacturing facilities into Regulation 1138. <ul style="list-style-type: none"> i. Complete initial stringency determinations by 1Q/15. ii. Submit Start Action Notice by 2Q/15. iii. Conduct public workshop(s) by 4Q/15. d. Amend Section 6 of Regulation 1138 to incorporated new monitoring requirements applicable to Chromium Electroplating facilities. <ul style="list-style-type: none"> i. Submit Start Action Notice by 3Q/15. e. Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> 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.
<p>8. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.</p>

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Year 2015

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

9. 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.
 - i. On air toxics-related issues during the amendment to decommission Stage 2 vapor recovery at gasoline dispensing facilities under Section 36 of Regulation 1124.
 - ii. To DAQ's "Communities" committee.
 - iii. To Engineering and Compliance personnel, where appropriate.

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.
4. Insure continued or improved compliance of stationary sources.
 - a. Continue to perform full compliance evaluations (FCEs) of facilities subject to major air toxics source standards (i.e. MACT and residual risk standards) in accordance with the 2014-15 Compliance Monitoring Plan (CMP).
 - 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, during the 2014-15 timeframe.
 - ii. The 1 hazardous waste combustor, subject to Federal Subpart EEE, during the 2014-15 timeframe.
 - iii. The 3 municipal solid waste landfills, subject to Federal Subpart AAAA, during the 2014-15 timeframe.
 - iv. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, during the 2014-15 timeframe.
 - v. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, during the 2014-15 timeframe.
 - vi. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, during the 2014-15 timeframe.
 - vii. The 3 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, during the 2014-15 timeframe.
 - viii. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, during the 2014-15 timeframe.
 - ix. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, during the 2014-15 timeframe.
 - x. The 2 chemical manufacturing operations, subject to Federal Subpart VVVVVV, during the 2014-15 timeframe.
 - xi. The 5 prepared feed operations, subject to Reg. 1138 Section 17, during the 2014-15 timeframe.
 - xii. The 1 gasoline distribution operation, subject to Federal Subpart BBBB, during the 2014-15 timeframe.
 - xiii. 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. 20% or ~10 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities.
 - ii. 20% or ~14 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~71 facilities.
 - iii. 10% or ~52 gasoline delivery vessels; total population is ~522 facilities.

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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. |
| 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 ~339 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). |
| 8. Audit and evaluate waivers issued by DelDOT. |

Year 2015

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. |
| b. Continue to participate in the development of the ‘Community Priority Project’ and incorporate identified monitoring activities into the Air Toxics Strategic Plan, when project development is finalized. |
| c. Continue to participate in the development of the ‘Community Priority Project’ and incorporate identified stationary source activities into the Air Toxics Strategic Plan, when project development is finalized. |
| d. Continue to participate in the development of the ‘Community Priority Project’ and incorporate identified educational and outreach activities into the Air Toxics Strategic Plan, when project development is finalized. |
| e. Continue to participate in the development of the ‘Community Priority Project’ and incorporate identified emission inventory activities into the Air Toxics Strategic Plan, when project development is finalized. |
| f. Continue to participate in the development of the DAQ’s “Mobile Source” and “Greenhouse Gas” Priority projects and incorporate newly identified activities into the Air Toxics Strategic Plan, when project developments are finalized. |
| 2. Continue participation on internal, local, regional, and national committees to identify air quality problems related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify Delaware solutions. |
| a. Regional Greenhouse Gas Initiative. |
| b. NACAA Air Toxics Committee. |
| c. Transportation & Climate Initiative. |
| d. Clean Cities/States Program. |
| e. Mid-Atlantic Regional Air Management Association. |
| f. National Association of Clean Air Agencies. |
| g. Clean Fuel Standard. |
| h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups. |
| i. Ozone Transport Commission. |
| 3. Continue working with the Transportation & Climate Initiative (TCI) to identify Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector. |
| 4. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants. |
| a. Participate in inter-agency consultation 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. |

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Year 2015

Identify options for reducing air toxics in the environment
5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
6. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
8. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
9. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities.
10. 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 AQS database following data validation.
c. Collaborate with University of Delaware on air toxics research and special projects, when appropriate.
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 in the vicinity of the Delaware City Refinery (DCR).
1. Complete the community monitoring project measuring air toxics concentrations associated with the emissions from the diesel locomotives delivering crude oil to the DCR fuel unloading operation during 1Q15.
2. Commence a community monitoring project measuring BTEX concentrations associated with the unloading of crude oil at the DCR fuel unloading operations; complete the project during 3Q15.
3. Identify and implement other air toxics monitoring opportunity that would utilize the capabilities of the WTS field gas chromatograph deployed in the moveable monitoring platform.
4. Identify and implement other air toxics monitoring opportunity that would utilize the capabilities of the in-house gas chromatographic mass spectrometer platform with adsorption tube technology deployed in the moveable monitoring platform.
ii. Undertake air toxics monitoring projects using the moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

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Year 2015

Identify potential harm from exposure to air toxics
1. Identify the potential for unacceptable air toxics impacts. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> a. Provide modeling support to DAQ's special monitoring projects.
4. Provide modeling support to Engineering & Compliance (E&C) associated with risk-based permitting decisions, as needed.
5. Provide modeling support to Planning Branch associated with risk-based regulatory development (e.g., Stage II decommissioning), as needed.
6. Initiate a dialogue with the Division of Public Health to identify appropriate and Delaware-specific air pollution-related "markers" for future activities undertake under the DAQ's risk management process.
7. Continue to follow the EPA's development and rollout of the 2011 National Air Toxics Assessment (NATA) and communicate on progress being made and provide comments, as appropriate.
8. Review the EPA 2011 NATA results, when published, communicate their findings, and respond to inquiries, as appropriate.

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. Identify and enter into ICIS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
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).

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Year 2015

Continue to implement the Air Toxics Strategic Plan

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| 1. Continue to build the strategic planning capacity to implement risk-based reduction 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 by 3/31/15. |
| 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 by 9/30/15. |
| 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 by 12/31/15. |
| vi. Continue to participate in the development of the 'Community Priority Project' and incorporate identified regulatory and planning activities into the Air Toxics Strategic Plan, when project development is finalized. |

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. |
| 3. Continue to implement newly found mechanisms to improve air toxics communications between branches. |

2016

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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. Administer projects under the Federal Diesel Emission Reduction Act Grant Program
i. State Grant (EPA FY16).
ii. Competitive Grant (EPA FY16).
iii. Continue to identify potential vehicles/projects for diesel emission reduction.
b. Continue to support of EPA's 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. Establish the "Smoking Vehicle Reduction Program", if implementation is warranted and funding obtained.
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.
iv. Respond to incidences of improper management of projects potentially involving asbestos-containing materials.
v. Expand asbestos-related information sharing with agencies that issue local or county demolition permits.
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).

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Year 2016

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.</p> <ul style="list-style-type: none"> 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.
<p>4. Implement other air toxics-related communications and outreach programs</p> <ul style="list-style-type: none"> a. Continue to implement a diesel anti-idling educational program. <ul style="list-style-type: none"> i. Conduct school bus 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. <ul style="list-style-type: none"> i. Continue to provide the daily Air Quality Forecast on the DNREC home page. ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students. iii. Continue to incorporate DAQ's moveable monitoring platform in educational programs, when appropriate. iv. Continue working with the DVRPC on educational programs for Air Quality Partnership. v. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs. <ul style="list-style-type: none"> 1. Delaware Envirothon. 2. Air Quality Awareness Week. 3. Delaware State Fair. 4. Delaware Coast Day. 5. Other opportunities, as identified. c. Continue to participate in Claymont Coalition meetings. d. Continue to improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> i. Continue to provide information to the public on Delaware's open burning restrictions. <ul style="list-style-type: none"> 1. Provide case-by-case guidance to the public on residential burns. 2. Provide ongoing guidance to the fire companies. 3. Provide case-by-case guidance for agricultural burns. 4. Provide case-by-case guidance for silvicultural burns for disease control. 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. Process notifications submitted for open burning. e. Continue to improve the Area Source Compliance's educational, outreach, and communication programs by incorporating needed changes or additions.
<p>5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.</p> <ul style="list-style-type: none"> 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 or amendment to air toxics standards in Regulation 1138. c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ web site. d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.

2015 - 2019 Air Toxics Strategic Plan

Year 2016

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. <ul style="list-style-type: none"> 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.
7. Adopt new and amend existing air toxics regulations for mobile and stationary sources. <ul style="list-style-type: none"> a. Adopt new and/or amend existing regulations to reduce mobile source emissions, where appropriate. b. Adopt the Federal Subpart VVVVVV area source standard applicable to Chemical Manufacturing facilities into Regulation 1138. <ul style="list-style-type: none"> i. Conduct public hearing by 1Q/16. ii. Complete final stringency determinations by 1Q/16. iii. Finalize the adoption by 2Q/16. iv. Publish final compliance assistance tools by 2Q/16. v. Submit delegation package by 3Q/16. c. Amend Section 6 of Regulation 1138 to incorporated new monitoring requirements applicable to Chromium Electroplating facilities. <ul style="list-style-type: none"> i. Conduct public hearing by 1Q/16. ii. Finalize the adoption by 2Q/16. iii. Submit delegation package by 3Q/16. d. Adopt the Federal Subpart RRR residual risk and technology development requirements applicable to secondary aluminum production facilities into Section 12 of Regulation 1138. <ul style="list-style-type: none"> i. Complete initial stringency determinations by 2Q/16. ii. Submit Start Action Notice by 2Q/16. iii. Conduct public workshop(s) by 4Q/16. e. Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> 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. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
9. Continue to provide air toxics-related support to State through . . . <ul style="list-style-type: none"> a. Reviewing of air permits. b. Providing current regulatory interpretations. c. Advising on likely future trends and actions. d. Providing technical support. <ul style="list-style-type: none"> i. To DAQ’s “Communities” committee. ii. To Engineering and Compliance personnel, where appropriate.

2015 - 2019 Air Toxics Strategic Plan

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 (CMP).
 - 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, during the 2016-17 timeframe.
 - ii. The 1 hazardous waste combustor, subject to Federal Subpart EEE, during the 2016-17 timeframe.
 - iii. The 3 municipal solid waste landfills, subject to Federal Subpart AAAA, during the 2016-17 timeframe.
 - iv. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, during the 2016-17 timeframe.
 - v. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, during the 2016-17 timeframe.
 - vi. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, during the 2016-17 timeframe.
 - vii. The 3 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, during the 2016-17 timeframe.
 - viii. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, during the 2016-17 timeframe.
 - ix. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, during the 2016-17 timeframe.
 - x. The 2 chemical manufacturing operations, subject to Federal Subpart VVVVVV, during the 2016-17 timeframe.
 - xi. The 5 prepared feed operations, subject to Reg. 1138 Section 17, during the 2016-17 timeframe.
 - xii. The 1 gasoline distribution facilities, subject to Federal Subpart BBBB, during the 2016-17 timeframe.
 - xiii. 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. 20% or ~10 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities.
 - ii. 20% or ~14 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~71 facilities.
 - iii. 10% or ~52 gasoline delivery vessels; total population is ~522 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 ~339 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).
8. Audit and evaluate waivers issued by DeIDOT.

2015 - 2019 Air Toxics Strategic Plan

Year 2016

Identify options for reducing air toxics in the environment
1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts. <ul style="list-style-type: none"> 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 related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify Delaware solutions. <ul style="list-style-type: none"> a. Regional Greenhouse Gas Initiative. b. NACAA Air Toxics Committee. c. Transportation & Climate Initiative. d. Clean Cities/States Program. e. Mid-Atlantic Regional Air Management Association. f. National Association of Clean Air Agencies. g. Clean Fuel Standard. h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups. i. Ozone Transport Commission.
3. Continue working with the Transportation & Climate Initiative (TCI) to identify Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
4. 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.
5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
6. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. <ul style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
8. 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.
9. Develop and implement Stage II decommissioning strategy for gasoline dispensing facilities.
10. 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. <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 AQS database following data validation. c. Collaborate with University of Delaware on air toxics research and special projects, when appropriate. d. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.

2015 - 2019 Air Toxics Strategic Plan

Year 2016

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"> 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 moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

Year 2016

Identify potential harm from exposure to air toxics
1. Identify the potential for unacceptable air toxics impacts. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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.
5. Provide modeling support to Planning Branch associated with risk-based regulatory development, 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. Identify and enter into ICIS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
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).

2015 - 2019 Air Toxics Strategic Plan

Year 2016

Continue to implement the Air Toxics Strategic Plan

1. Continue to build the strategic planning capacity to implement risk-based reduction 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 Risk Reduction Air Toxics Strategic Plan.
 - vi. 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.
3. Continue to implement newly found mechanisms to improve air toxics communications between branches.

2017

2015 - 2019 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. Administer projects under the Federal Diesel Emission Reduction Act Grant Program.
i. State Grant (EPA FY17).
ii. Competitive Grant (EPA FY17).
iii. Continue to identify potential vehicles/projects for diesel emission reduction.
b. Continue to support of EPA's 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. Establish the "Smoking Vehicle Reduction Program", if implementation is warranted and funding obtained.
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.
iv. Respond to incidences of improper management of projects potentially involving asbestos-containing materials.
v. Expand asbestos-related information sharing with agencies that issue local or county demolition permits.
d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage I and Stage II requirements.
e. Support the Stage II decommissioning of 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).

2015 - 2019 Air Toxics Strategic Plan

Year 2017

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.</p> <ul style="list-style-type: none"> 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.
<p>4. Implement other air toxics-related communications and outreach programs</p> <ul style="list-style-type: none"> a. Continue to implement a diesel anti-idling educational program. <ul style="list-style-type: none"> i. Conduct school bus 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. <ul style="list-style-type: none"> i. Continue to provide the daily Air Quality Forecast on the DNREC home page. ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students. iii. Continue to incorporate DAQ's moveable monitoring platform in educational programs, when appropriate. iv. Continue working with the DVRPC on educational programs for Air Quality Partnership. v. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs. <ul style="list-style-type: none"> 1. Delaware Envirothon. 2. Air Quality Awareness Week. 3. Delaware State Fair. 4. Delaware Coast Day. 5. Other opportunities, as identified. c. Continue to participate in Claymont Coalition meetings. d. Continue to improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> i. Continue to provide information to the public on Delaware's open burning restrictions... <ul style="list-style-type: none"> 1. Provide case-by-case guidance to the public on residential burns. 2. Provide ongoing guidance to the fire companies. 3. Provide case-by-case guidance for agricultural burns. 4. Provide case-by-case guidance for silvicultural burns for disease control. 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. Process notifications submitted for open burning. e. Continue to improve the Area Source Compliance's educational, outreach, and communication programs by incorporating needed changes or additions.
<p>5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.</p> <ul style="list-style-type: none"> 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 or amendment to air toxics standards in Regulation 1138. 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.

2015 - 2019 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> a. Adopt new and/or amend existing regulations to reduce mobile source emissions, where appropriate. b. Adopt the Federal Subpart RRR residual risk and technology development requirements applicable to secondary aluminum production facilities into Section 12 of Regulation 1138. <ul style="list-style-type: none"> i. Conduct public hearing by 1Q/17. ii. Complete final stringency determinations by 1Q/17. iii. Finalize the adoption by 3Q/17. iv. Publish final compliance assistance tools by 3Q/17. v. Submit delegation package by 3Q/17. c. Adopt the Federal Subpart JJJJJ area standard applicable to Industrial, Commercial, and Institutional Boilers into Regulation 1138. <ul style="list-style-type: none"> i. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and finalize regulatory path forward, if necessary, by 2Q/17. ii. Submit Start Action Notice by 3Q/17. iii. Conduct workgroup meetings by 4Q/17. d. Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> 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. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
9. Continue to provide air toxics-related support to State through . . . <ul style="list-style-type: none"> a. Reviewing of air permits. b. Providing current regulatory interpretations. c. Advising on likely future trends and actions. d. Providing technical support. <ul style="list-style-type: none"> i. To DAQ’s “Communities” committee. ii. To Engineering and Compliance personnel, where appropriate.

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.

2015 - 2019 Air Toxics Strategic Plan

Year 2017

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

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 (CMP).
 - 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, during the 2016-17 timeframe.
 - ii. The 1 halogenated solvent degreaser, subject to Reg. 1138 Section 8, during the 2016-17 timeframe.
 - iii. The 1 hazardous waste combustor, subject to Federal Subpart EEE, during the 2016-17 timeframe.
 - iv. The 3 municipal solid waste landfills, subject to Federal Subpart AAAA, during the 2016-17 timeframe.
 - v. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, during the 2016-17 timeframe.
 - vi. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, during the 2016-17 timeframe.
 - vii. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, during the 2016-17 timeframe.
 - viii. The 3 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, during the 2016-17 timeframe.
 - ix. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, during the 2016-17 timeframe.
 - x. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, during the 2016-17 timeframe.
 - xi. The 2 chemical manufacturing operations, subject to Federal Subpart VVVVVV, during the 2016-17 timeframe.
 - xii. The 5 prepared feed operations, subject to Reg. 1138 Section 17, during the 2016-17 timeframe.
 - xiii. The 1 gasoline distribution facilities, subject Federal Subpart BBBBBB, 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. 20% or ~10 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities.
 - ii. 20% or ~14 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~71 facilities.
 - iii. 10% or ~52 gasoline delivery vessels; total population is ~522 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 ~339 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).
8. Audit and evaluate waivers issued by DelDOT.

Year 2017

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.

2015 - 2019 Air Toxics Strategic Plan

Year 2017

Identify options for reducing air toxics in the environment
2. Continue participation on internal, local, regional, and national committees to identify air quality problems related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify Delaware solutions.
a. Regional Greenhouse Gas Initiative.
b. NACAA Air Toxics Committee.
c. Transportation & Climate Initiative.
d. Clean Cities/States Program.
e. Mid-Atlantic Regional Air Management Association.
f. National Association of Clean Air Agencies.
g. Clean Fuel Standard.
h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups.
i. Ozone Transport Commission.
3. Continue working with the Transportation & Climate Initiative (TCI) to identify Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
4. Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
a. Participate in inter-agency consultation 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.
5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
6. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
8. Continue to implement review protocols and evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the proposed rules, as appropriate.
a. Newly proposed amendments to federal air toxics and incinerator standards.
b. Newly proposed federal residual risk standards.
9. 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.
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 AQS database following data validation.
c. Collaborate with University of Delaware on air toxics research and special projects, when appropriate.
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 moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.

2015 - 2019 Air Toxics Strategic Plan

Year 2017

Build greater understanding of ambient air toxics environment

2. Provide air toxics modeling support to meet community needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

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.
5. Provide modeling support to Planning Branch associated with risk-based regulatory development, as needed.
6. Follow the EPA's development and rollout of the 2014 National Air Toxics Assessment (NATA), if undertaken, and communicate on progress being made and provide comments, as appropriate.

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. Identify and enter into ICIS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
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).

2015 - 2019 Air Toxics Strategic Plan

Year 2017

Continue to implement the Air Toxics Strategic Plan

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| 1. Continue to build the strategic planning capacity to implement risk-based reduction 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 Risk Reduction Air Toxics Strategic Plan. |
| vi. Update and finalize 2018 Air Toxics Strategic Plan for years 2018 to 2022. |

Year 2017

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. |
| 3. Continue to implement newly found mechanisms to improve air toxics communications between branches. |

2018

2015 - 2019 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. Administer projects under the Federal Diesel Emission Reduction Act Grant Program.
 - i. State Grant (EPA FY18).
 - ii. Competitive Grant (EPA FY18).
 - iii. Continue to identify potential vehicles/projects for diesel emission reduction.
 - b. Continue to support of EPA's 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. Establish the "Smoking Vehicle Reduction Program", if implementation is warranted and funding obtained.
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.
 - iv. Respond to incidences of improper management of projects potentially involving asbestos-containing materials.
 - v. Expand asbestos-related information sharing with agencies that issue local or county demolition permits.
 - d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage 1 and Stage 2 requirements.
 - e. Support the Stage II decommissioning of 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. 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).
 - 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).

2015 - 2019 Air Toxics Strategic Plan

Year 2018

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.</p> <ul style="list-style-type: none"> 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.
<p>4. Implement other air toxics-related communications and outreach programs</p> <ul style="list-style-type: none"> a. Continue to implement a diesel anti-idling educational program. <ul style="list-style-type: none"> i. Conduct school bus 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. <ul style="list-style-type: none"> i. Continue to provide the daily Air Quality Forecast on the DNREC home page. ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students. iii. Continue to incorporate DAQ's moveable monitoring platform in educational programs, when appropriate. iv. Continue working with the DVRPC on educational programs for Air Quality Partnership. v. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs. <ul style="list-style-type: none"> 1. Delaware Envirothon. 2. Air Quality Awareness Week. 3. Delaware State Fair. 4. Delaware Coast Day. 5. Other opportunities, as identified. c. Continue to participate in Claymont Coalition meetings. d. Continue to improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> i. Continue to provide information to the public on Delaware's open burning restrictions. <ul style="list-style-type: none"> 1. Provide case-by-case guidance to the public on residential burns. 2. Provide ongoing guidance to the fire companies. 3. Provide case-by-case guidance for agricultural burns. 4. Provide case-by-case guidance for silvicultural burns for disease control. 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. Process notifications submitted for open burning. e. Continue to improve the Area Source Compliance's educational, outreach, and communication programs by incorporating needed changes or additions.

2015 - 2019 Air Toxics Strategic Plan

Year 2018

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.</p> <ul style="list-style-type: none"> 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 or amendment to air toxics standards in Regulation 1138. c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ web site. d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.
<p>6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.</p> <ul style="list-style-type: none"> 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.
<p>7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.</p> <ul style="list-style-type: none"> a. Adopt new and/or amend existing regulations to reduce mobile source emissions, where appropriate. b. Adopt the Federal Subpart JJJJJJ area standard applicable to Industrial, Commercial, and Institutional Boilers into Regulation 1138. <ul style="list-style-type: none"> i. Conduct public workshops by 1Q/18. ii. Conduct public hearing by 2Q/18. iii. Complete final stringency determinations by 2Q/18. iv. Finalize the adoption by 4Q/18. v. Publish final compliance assistance tools 4Q/18. vi. Submit delegation package by 4Q/18. c. Adopt the Federal Subpart BBBBBB area source requirements applicable to Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities into Regulation 1138. <ul style="list-style-type: none"> i. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and finalize regulatory path forward, if necessary, by 3Q/18. ii. Submit Start Action Notice by 4Q/18. d. Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> 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.
<p>8. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.</p>
<p>9. Continue to provide air toxics-related support to State through . . .</p> <ul style="list-style-type: none"> a. Reviewing of air permits. b. Providing current regulatory interpretations. c. Advising on likely future trends and actions. d. Providing technical support. <ul style="list-style-type: none"> i. To DAQ's "Communities" committee. ii. To Engineering and Compliance personnel, where appropriate.

2015 - 2019 Air Toxics Strategic Plan

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.
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 (CMP).
 - 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, during the 2018-19 timeframe.
 - ii. The 1 hazardous waste combustor, subject to Federal Subpart EEE, during the 2018-19 timeframe.
 - iii. The 3 municipal solid waste landfills, subject to Federal Subpart AAAA, during the 2018-19 timeframe.
 - iv. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, during the 2018-19 timeframe.
 - v. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, during the 2018-19 timeframe.
 - vi. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, during the 2018-19 timeframe.
 - vii. The 3 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, during the 2018-19 timeframe.
 - viii. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, during the 2018-19 timeframe.
 - ix. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, during the 2018-19 timeframe.
 - x. The 2 chemical manufacturing operations, subject to Federal Subpart VVVVVV, during the 2018-19 timeframe.
 - xi. The 5 prepared feed operations, subject to Reg. 1138 Section 17, during the 2018-19 timeframe.
 - xii. The 1 gasoline distribution facilities, subject to Federal Subpart BBBB, during the 2018-19 timeframe.
 - xiii. Other area source air toxics standards covered during the 2018-19 timeframe.
 - c. By 9/18, perform compliance evaluations (CE) at area air toxics sources as follows:
 - i. 20% or ~10 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities.
 - ii. 20% or ~14 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~71 facilities.
 - iii. 10% or ~52 gasoline delivery vessels; total population is ~522 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 ~339 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).
8. Audit and evaluate waivers issued by DeIDOT.

2015 - 2019 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. <ul style="list-style-type: none"> 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 related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify Delaware solutions. <ul style="list-style-type: none"> a. Regional Greenhouse Gas Initiative. b. NACAA Air Toxics Committee. c. Transportation & Climate Initiative. d. Clean Cities/States Program. e. Mid-Atlantic Regional Air Management Association. f. National Association of Clean Air Agencies. g. Clean Fuel Standard. h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups. i. Ozone Transport Commission.
3. Continue working with the Transportation & Climate Initiative (TCI) to identify Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
4. 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.
5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
6. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. <ul style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
8. 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.
9. 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. <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 AQS database following data validation. c. Collaborate with University of Delaware on air toxics research and special projects, when appropriate. d. Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab.

2015 - 2019 Air Toxics Strategic Plan

Year 2018

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"> 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 moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

Year 2018

Identify potential harm from exposure to air toxics
1. Identify the potential for unacceptable air toxics impacts. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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.
5. Provide modeling support to Planning Branch associated with risk-based regulatory development, as needed.

Year 2018

Gather information related to air toxics sources
1. Develop and submit the 2017 NEI for HAPs.
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. Identify and enter into ICIS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
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, 2018.
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).

2015 - 2019 Air Toxics Strategic Plan

Year 2018

Continue to implement the Air Toxics Strategic Plan

1. Continue to build the strategic planning capacity to implement risk-based reduction 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 and finalize 2019 Risk Reduction Air Toxics Strategic Plan.
 - v. Update individual Strategic Plans for 2019-2023.
 - vi. 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.
3. Continue to implement newly found mechanisms to improve air toxics communications between branches.

2019

2015 - 2019 Air Toxics Strategic Plan

Year 2019

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

1. Promote the implementation of mobile source diesel emission reduction projects.
 - a. Administer projects under the Federal Diesel Emission Reduction Act Grant Program.
 - i. State Grant (EPA FY19).
 - ii. Competitive Grant (EPA FY19).
 - iii. Continue to identify potential vehicles/projects for diesel emission reduction.
 - b. Continue to support of EPA's 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. Establish the "Smoking Vehicle Reduction Program", if implementation is warranted and funding obtained.
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.
 - iv. Respond to incidences of improper management of projects potentially involving asbestos-containing materials.
 - v. Expand asbestos-related information sharing with agencies that issue local or county demolition permits.
 - d. Take enforcement against gasoline dispensing facilities that are non-compliant with Stage 1 and Stage 2 requirements.
 - e. Support the Stage II decommissioning of 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).

2015 - 2019 Air Toxics Strategic Plan

Year 2019

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

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| <p>3. Implement control measures to mitigate unacceptable air toxics impacts, if identified.</p> <ul style="list-style-type: none"> 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. |
| <p>4. Implement other air toxics-related communications and outreach programs</p> <ul style="list-style-type: none"> a. Continue to implement a diesel anti-idling educational program. <ul style="list-style-type: none"> i. Conduct school bus 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. <ul style="list-style-type: none"> i. Continue to provide the daily Air Quality Forecast on the DNREC home page. ii. Continue to identify funding and provide the branded character outreach program to communicate the air quality message to elementary school students. iii. Continue to incorporate DAQ's moveable monitoring platform in educational programs, when appropriate. iv. Continue working with the DVRPC on educational programs for Air Quality Partnership (AQP). v. Provide guidance and assistance on development and implementation of DAQ's educational and outreach programs. <ul style="list-style-type: none"> 1. Delaware Envirothon. 2. Air Quality Awareness Week. 3. Delaware State Fair. 4. Delaware Coast Day. 5. Other opportunities, as identified. c. Continue to participate in Claymont Coalition meetings. d. Continue to improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> i. Continue to provide information to the public on Delaware's open burning restrictions. <ul style="list-style-type: none"> 1. Provide case-by-case guidance to the public on residential burns. 2. Provide ongoing guidance to the fire companies. 3. Provide case-by-case guidance for agricultural burns. 4. Provide case-by-case guidance for silvicultural burns for disease control. 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. Process notifications submitted for open burning. e. Continue to improve the Area Source Compliance's educational, outreach, and communication programs by incorporating needed changes or additions. |

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Year 2019

Implement appropriate actions to reduce the harm from exposure to air toxics
<p>5. Continue to enhance the value and use of the air toxics information on DAQ's web sites.</p> <ul style="list-style-type: none"> 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 or amendment to air toxics standards in Regulation 1138. c. Continue to improve and enhance the content, ease of accessing, and information flow for "Air Toxics" on the DAQ web site. d. Review and update, if needed, to continuously improve the information on the Area Source Compliance's web pages.
<p>6. Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised.</p> <ul style="list-style-type: none"> a. Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 9/19, 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 10/19, if needed.
<p>7. Adopt new and amend existing air toxics regulations for mobile and stationary sources.</p> <ul style="list-style-type: none"> a. Adopt new and/or amend existing regulations to reduce mobile source emissions, where appropriate. b. Adopt the Federal Subpart BBBB area source requirements applicable to Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities into Regulation 1138. <ul style="list-style-type: none"> i. Conduct public workshop by 1Q/19. ii. Conduct public hearing by 3Q/19. iii. Complete final stringency determinations by 3Q/19. iv. Finalize the adoption by 4Q/19. v. Publish final compliance assistance tools 4Q/19. c. Amend infrastructure standard, Section 3 of Regulation 1138, for appropriate revisions to the Federal General Provisions (Federal Subpart A), if Federal amendments have been finalized – or – adopt the Federal Subpart ZZZZ requirements applicable to Stationary Internal Combustion Engines into Regulation 1138. <ul style="list-style-type: none"> i. Complete initial stringency determination between Federal Area Source Standards vs. existing Delaware regulations and finalize regulatory path forward, if necessary, by 1Q/19. d. Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> i. Develop path forward for applicable area source air toxics and incinerator standards finalized in 2019. ii. Develop path forward for residual risk standards applicable area sources finalized in 2019. 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.
<p>8. Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.</p>
<p>9. Continue to provide air toxics-related support to State through . . .</p> <ul style="list-style-type: none"> a. Reviewing of air permits. b. Providing current regulatory interpretations. c. Advising on likely future trends and actions. d. Providing technical support. <ul style="list-style-type: none"> i. To DAQ's "Communities" committee. ii. To Engineering and Compliance personnel, where appropriate.

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Year 2019

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 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, during the 2018-19 timeframe.
 - ii. The 1 hazardous waste combustor, subject to Federal Subpart EEE, during the 2018-19 timeframe.
 - iii. The 3 municipal solid waste landfills, subject to Federal Subpart AAAA, during the 2018-19 timeframe.
 - iv. The 1 hospital ethylene oxide sterilization facilities, subject to Reg. 1138 Section 9, during the 2018-19 timeframe.
 - v. The 1 lead acid battery manufacturing plant, subject to Reg. 1138 Section 11, during the 2018-19 timeframe.
 - vi. The 2 plating and polishing operations, subject to Reg. 1138 Section 10, during the 2018-19 timeframe.
 - vii. The 3 miscellaneous parts and products surface coating facilities, subject to Reg. 1138 Section 14, during the 2018-19 timeframe.
 - viii. The 1 asphalt processing and asphalt roofing products manufacturing operation, subject to Reg. 1138 Section 16, during the 2018-19 timeframe.
 - ix. The 1 secondary aluminum production operation, subject to Reg. 1138 Section 12, during the 2018-19 timeframe.
 - x. The 2 chemical manufacturing operations, subject to Federal Subpart VVVVVV, during the 2018-19 timeframe.
 - xi. The 5 prepared feed operations, subject to Reg. 1138 Section 17, during the 2018-19 timeframe.
 - xii. The 1 gasoline distribution facilities, subject to Federal Subpart BBBBBB, during the 2018-19 timeframe.
 - xiii. Other area source air toxics standards covered during the 2018-19 timeframe.
 - c. By 9/19, perform compliance evaluations (CE) at area air toxics sources as follows:
 - i. 20% or ~10 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~51 facilities.
 - ii. 20% or ~14 motor vehicle and mobile equipment surface coating facilities subject to 1124 Sect 11 and 1138 Sect 15; total population is ~71 facilities.
 - iii. 10% or ~52 gasoline delivery vessels; total population is ~522 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 2019; total population is ~339 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).
8. Audit and evaluate waivers issued by DeIDOT.

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Year 2019

Identify options for reducing air toxics in the environment
1. Implement a risk-based process that identifies, assesses and mitigates unacceptable air toxics impacts. <ul style="list-style-type: none"> 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 related to air pollutants (i.e. greenhouse gases, criteria pollutants, and air toxics), to develop strategies, and to identify Delaware solutions. <ul style="list-style-type: none"> a. Regional Greenhouse Gas Initiative. b. NACAA Air Toxics Committee. c. Transportation & Climate Initiative. d. Clean Cities/States Program. e. Mid-Atlantic Regional Air Management Association. f. National Association of Clean Air Agencies. g. Clean Fuel Standard. h. Northeastern States for Coordinated Air Use Management – LEV/ZEV Workgroups. i. Ozone Transport Commission.
3. Continue working with the Transportation & Climate Initiative (TCI) to identify Delaware appropriate options to reduce greenhouse gases and air toxics from the transportation sector.
4. 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.
5. Continue participation in the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
6. Continue to promote transit oriented design that encourages consideration of impact of mobile source emissions.
7. Continue to evaluate federal stationary source rulemakings, communicate impacts internally and provide comments on the rules, as appropriate. Collaborate and maintain open communications with rulemaking involving joint responsibilities. <ul style="list-style-type: none"> a. Newly proposed amendments to federal air toxics and incinerator standards. b. Newly proposed federal residual risk standards.
8. 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.
9. Provide technical assistance on lightering operations to DAQ, as needed.

Year 2019

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 AQS database following data validation. c. Collaborate with University of Delaware on air toxics research and special projects, when appropriate. 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.

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Year 2019

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 monitoring projects using the moveable monitoring platform where modeling results predict high concentrations or where the public has expressed concern.
2. Provide air toxics modeling support to meet community needs.
3. Continue to incorporate DAQ's branded message design as new media or forums are identified.

Year 2019

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.
5. Provide modeling support to Planning Branch associated with risk-based regulatory development, as needed.

Year 2019

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 12/19, 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. Identify and enter into ICIS (via DENs) all new or previously unknown affected sources which are subject to perchloroethylene dry cleaning standard (1138 Sect 5), methylene chloride paint stripping standard (1138 Sect 13), and motor vehicle and mobile equipment surface coating standard (1138 Sect 15), as well as gasoline delivery vessels.
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, 2019.
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).

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Year 2019

Continue to implement the Air Toxics Strategic Plan

1. Continue to build the strategic planning capacity to implement risk-based reduction programs to mitigate any unacceptable air toxics impacts.
 - a. Review status and complete year-end status report on the 2018 individual Strategic Plans.
 - b. Track implementation and report year-end-status of the 2018 Air Toxics Strategic Plan.
 - c. Review status and complete mid-year status report on the 2019 individual Strategic Plans.
 - d. Track implementation and report mid-year status on the 2019 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 2020 Air Toxics Strategic Plan.
 - f. Updating of the Air Toxics Strategic Plan for 2020-2024
 - i. Review and revise, if needed, air toxics area source program and timing, as part of the 2020 Air Toxics Strategic Plan by 10/19.
 - ii. Review and revise, if needed, air toxics area source activities and timing as part of the 2020 Air Toxics Strategic Plan by 11/19.
 - iii. Coordinate development of the 2020 Air Toxics Strategic Plan.
 - iv. Update individual Strategic Plans for 2020-2024.
 - v. Update and finalize 2019 Risk Reduction Air Toxics Strategic Plan.
 - vi. Update and finalize 2019 Air Toxics Strategic Plan for years 2020 to 2024.

Year 2019

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