

**Delaware
Air Quality
Management**

2009

Air Toxics Strategic Plan

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2009 Air Toxics Strategic Plan

The Air Toxics Strategic Plan (ATSP) is a five-year plan of activities to be undertaken by Air Quality Management and its partners to reduce the risk of adverse health effects caused by the inhalation of air toxics. The 2009 ATSP, finalized on December 31, 2008, is organized within the following components.

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

2009

2009 Air Toxics Strategic Plan

Year 2009

Implement an on-going program to address the risks from exposure to air toxic
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.
<ul style="list-style-type: none"> • Review status and complete year-end status report on the 2008 individual Strategic Plans.
<ul style="list-style-type: none"> • Track implementation and report year-end-status of the 2008 Air Toxics Strategic Plan by 2/27/09.
<ul style="list-style-type: none"> • Review status and complete mid-year status report on the 2009 individual Strategic Plans.
<ul style="list-style-type: none"> • Track implementation and report mid-year status on the 2009 Air Toxics Strategic Plan by 9/30/09.
<ul style="list-style-type: none"> • Updating of the Air Toxics Strategic Plan for 2010-2014 <ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source program and timing, as part of the 2010 Air Toxics Strategic Plan by 10/09. • Coordinate development of the 2010 ATSP including incorporation of DATAS results. • Update individual Strategic Plans for 2010-2014. • Update and finalize 2010 ATSP for years 2010 to 2014 by 12/31/09.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program. <ul style="list-style-type: none"> • Continue to support and participate in the Claymont Industry Partnership Initiative.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program. <ul style="list-style-type: none"> • Paint stripping and miscellaneous coatings committee.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program. <ul style="list-style-type: none"> • Clean Marina Exposition. • Paint stripping and miscellaneous coatings committee. • Claymont Industry Partnership Initiative.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
<ul style="list-style-type: none"> • Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
<ul style="list-style-type: none"> • Commence redesign of the Air Quality Management "Air Toxics" webpage by 9/09.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
<ul style="list-style-type: none"> • Assess and pursue implementation of a process for multi-agency sharing of new and existing source information new and existing sources.
<ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source activities and timing, as part of the 2010 Air Toxics Strategic Plan by 12/09.
<ul style="list-style-type: none"> • Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

2009 Air Toxics Strategic Plan

Year 2009

Build greater understanding of ambient air toxics environment
<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. <ul style="list-style-type: none"> • 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. . • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. • Continue to support University of Delaware’s special project to provide near real time organic aerosol speciation at MLK monitoring site. • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. • Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics” under EPA air toxics grant. • Identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab by 12/31/09. • Undertake new or special monitoring needs that may surface.
<ul style="list-style-type: none"> • Begin to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts of control strategies.

Year 2009

Identify potential harm from exposure to air toxics
<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks associated with 2003 modeled results. <ul style="list-style-type: none"> • Review DATAS Phase II results to determine impacts and prepare responses for anticipated questions concerning stationary sources with the release of the source apportionment information. • Review DATAS Phase II findings and assess potential impact of dry cleaning and gasoline distribution air toxics on the public’s health. • Coordinate E&C responses to DATAS results with other AQM branches to ensure consistent responses.
<ul style="list-style-type: none"> • Continue to refine air toxics model for characterizing air toxics risks through utilization of applications in Sub-Grid Scale Variability (SGV).
<ul style="list-style-type: none"> • Identify and assess alternatives to DPH-provided risk assessments, when appropriate.
<ul style="list-style-type: none"> • Implement alternative risk assessments, when appropriate.
<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks through future air toxics assessment programs. <ul style="list-style-type: none"> • Complete DATAS Phase II modeling report by 3/31/09. • Coordinate ongoing risk assessment support and guidance of DPH for air toxics risk reduction activities. • Coordinate risk assessments needs and results for DATAS Phase II with DPH. • Initiate modeled assessment of the impact of mobile source air toxics in comparison to stationary and area source air toxics.
<ul style="list-style-type: none"> • Provide modeling support for DNREC’s interest in a proposed multimedia total exposure study, pending the start up of the study.
<ul style="list-style-type: none"> • Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate. <ul style="list-style-type: none"> • Continue analysis of data collected from E-DATAS projects. • Commence source apportionment analyses for air toxics with special attention to the following by 7/31/09: <ul style="list-style-type: none"> • Sources of air toxics of concern. • Contribution of mobile sources versus stationary sources. • Diesel particulate matter. • Residential wood stoves.

2009 Air Toxics Strategic Plan

Year 2009

Gather information related to air toxics sources
• Develop emissions inventory protocol for the implementation of the 2008 NEI by 6/09.
• Continue review of emission inventory inputs and/or assumptions for air toxics of concern as indicated by DATAS Phase II modeling and risk assessment results.
• Commence working on source apportionment with Mohammed Majeed associated with the DATAS Phase II results.
• Provide emissions inventory support to the air toxics education and reduction programs, as required.
• Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
• By 12/09, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
• By 12/09, identify and enter into AFS all new or previously unknown affected sources which are subject to Perc Dry Cleaning standard (1138 Sect 5).
• Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2009.
• Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
• Evaluate screening needs and modify the air toxics model to provide a simplified screening tool by 6/30/09.

Year 2009

Identify options for reducing air toxics in the environment
• Continue to monitor federal activities associated with the new Lead NAAQS.
• Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
• 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"> • 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. • Continue to provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds. Report status to EPAR3, as appropriate. • Schedule presentation of the mobile source air toxics results following the release of the DATAS Phase II report.
• Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
• Develop a plan to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
• Determine timing and path forward for case-by-case MACT determination for Boiler MACT (Federal Sub DDDDD).
• Participate in development of the rulemaking strategy for <ul style="list-style-type: none"> • Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed. • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10). • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10).
• Begin to collect information to determine applicability of coating used by existing miscellaneous surface coating operations that are subject to the Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10).
• Evaluate the need for the development of additional source category permits to address air toxics issues, ongoing.

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2009 Air Toxics Strategic Plan

Year 2009

Identify options for reducing air toxics in the environment – cont.

- 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.
 - Newly proposed amendments to federal MACT and incinerator standards.
 - Federal Boiler and Process Heater MACT standard.
 - Federal Commercial and Industrial Solid Waste Incinerator standard.
 - Federal Hospital/Medical/Infectious Waste Incinerator standard.
 - Newly proposed federal residual risk standards.
 - Federal Sub N (Chrome plating facilities).
 - Federal Sub RRR (Secondary aluminum smelters).
 - Federal Sub VVV (Publicly Owned Treatment Works).
 - Federal Sub III (Flexible Polyurethane Foam).
 - Newly proposed federal area source standards under Section 112(k).
 - The last 9 proposed standards (diverse categories) are due to be promulgated by June 2009.
 - Follow development of final set of federal 112(k) area source standards scheduled to be promulgated in June 2009.
 - Follow amendment of federal Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) for existing area sources.
 - As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
 - Paint stripping and miscellaneous coating at area sources (1138 Sect 10) includes auto body shops).
 - Electric arc furnace steelmaking facilities at area sources (Federal Sub YYYYY) from scrap steel suppliers' perspective.
- Implement other air toxics-related communications and outreach programs.
 - Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - Claymont Coalition.
 - Claymont Industrial Partnership Initiative.
 - Explore new outreach opportunities.
 - Continue to support Engineering and Compliance's community/industrial air toxics outreach programs, when needed.
 - Commence development of educational program for AQM's Community Air Toxics" study by 12/09.
- Identify grant and funding opportunities.
 - Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - Continue to identify resources and funding needed to implement air toxics communications and outreach programs.
 - Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.

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

- Promote the implementation of mobile source air toxics reduction initiatives/programs.
 - Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
 - Continue to support of the SmartWay Transport programs, as appropriate.
 - Issue request for proposal for the Smyrna Rest Stop Electrification project by 12/31/09.
 - Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
 - If DATAS Phase II identifies mobile source-driven “hot spots”, initiate development of a mobile source air toxics reduction or education programs.
- Insure continued or improved compliance of stationary sources.
 - Continue to perform full compliance evaluations (FCEs) of air toxics sources in accordance with the 6/29/07 compliance monitoring plan by 9/30/09.
 - Perform full compliance evaluations (FCEs) at area air toxics sources as follows:
 - The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2008-09 timeframe.
 - The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2008-09 timeframe.
 - The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2008-09 timeframe.
 - The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2008-09 timeframe.
 - The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2008-09 timeframe.
 - The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2008-09 timeframe.
 - By 9/09, perform compliance evaluations (CE) at area air toxics sources as follows:
 - 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~80 facilities.
 - 25% or ~40 auto body refinishing shops subject to 1124 Sect 11; total population is ~160 facilities.
 - 10% or ~60 gasoline delivery vessels for vapor tightness; total population is ~600 facilities.
 - Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124.
 - Conduct inspections at one-third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2009; total population is ~406 facilities.
 - Incorporate updated MACT and Residual Risk requirements in air permits.
 - Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
 - Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
 - Complete the case-by-case MACT determination for PVC MACT (Federal Sub J) for Formosa Plastics.

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Year 2009

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.

- Insure continued or improved compliance of stationary sources - Continued
 - Incorporate area source standard requirements in air permits.
 - Complete stringency determinations for
 - Municipal Solid Waste Landfill (Federal Sub AAAA) requirements in the three current DSWA Title V permits.
 - Assess impact of April 2006 amendment of Municipal Solid Waste Landfill (Federal Sub AAAA) on area sources requirements for the three DSWA Title V permits by 6/09.
 - Develop path forward for implementation or revision of the three DSWA Title V permits by 9/09.
 - Commence implementation of path forward by 12/09.
 - Hazardous Waste Combustor (Federal Sub EEE) requirements in current DuPont X Station Title V permit by 6/09.
 - Electric Arc Furnace (Federal Sub YYYYY) requirements **during renewal** of Claymont Steel Title V permit by 12/09.
 - Iron and Steel Foundries (Federal Sub ZZZZZ) requirements **during renewal** of Claymont Steel Title V permit by 12/09.
 - Incorporated area source standard requirements during renewal or reopening of Title V permits for
 - Christiana Care – Christiana to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/09.
 - Claymont Steel to include the Electric Arc Furnace (Federal Sub YYYYY) requirements by 12/09.
 - Claymont Steel to include the Iron and Steel Foundries (Federal Sub ZZZZZ) requirements by 12/09.
 - Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for
 - Johnson Controls to include Lead Acid Battery Manufacturing Plant (1138 Sect 11) requirements by 9/09.
 - St. Francis Hospital to include Hospital Ethylene Oxide Sterilizers (1138 Sect 9) requirements by 12/09.
 - Perc Dry Cleaning facilities (1138 Sect 5) and issue by 7/09.
 - Complete Compliance Assistance Activities consistent with the Compliance Assistance Oversight Plan for
 - Perc Dry Cleaning facilities (1138 Sect 5) by 9/09.
 - Finalize development and begin implementation of Compliance Assistance Program for
 - Miscellaneous Surface Coating of Mobile Sources (1138 Sect 10) by 12/09.
- Continue to conduct anti-idling outreach programs for schools and the trucking industry and report status to EPA R3, as appropriate.
- Continue to collaborate with other DNREC agencies on educational outreach activities associated with promoting anti-idling for school buses.
- Continue to work with other State agencies including DPH on air toxics communications and outreaches.
- Provide support to Small Businesses on air toxics related issues.
 - Continue to encourage new participation and to provide assistance to Delaware marinas in obtaining voluntary compliance certification under the Clean Marina program.
 - Continue to support, as needed, the small business interest on the Claymont Industry Partnership Initiative.
 - Provide compliance assistance to auto-body shops and other affected small businesses during the initial development of the paint stripping and miscellaneous surface coating standard (1138 Sect 10).
 - Continue to encourage new participation and provide assistance during the implementation of the Green Lodging program.
 - Continue to provide educational materials on asbestos demolition to the regulated community both directly and through to trade associations.
 - Continue to assist Air Quality Management by providing new relevant asbestos educational materials (e.g. Spanish text) and assisting with the asbestos website update.

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Year 2009

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.

- Identify and implement at least one new opportunity to increase the public awareness of actions that the public can take to reduce their risk exposure to air toxics, including appropriate P2 programs.
 - DATAS Phase II Report Release.
- Improve compliance with Delaware’s open burning requirements.
 - Identify and assess options that would clarify the requirements in Regulation 1113 by 3/31/09.
 - Implement the preferred option by 10/31/09.
 - Continue to educate the public on Delaware’s open burning restrictions.
- Develop a public outreach associated with the implementation of the revised statewide enhanced low inspection and maintenance (I/M) program.
- Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
- Coordinate Air Toxics Area Source Program for newly promulgated area source standards or revised area source standards.
 - Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 3/09 and 9/09.
 - Coordinate the development and incorporation of new and newly revised (includes residual risk and existing source RICE standards) standards into the Area Source Program – Implementation Plan as part of the Air Toxics Strategic Planning process.
 - Update the Area Source Program – Implementation Plan, as needed.
- As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
 - Gasoline dispensing facilities at area sources (Federal Sub CCCCCC includes gasoline stations).
 - Electric arc furnace steelmaking facilities at area sources (Federal Sub YYYYYY) from scrap steel suppliers’ perspective.
 - Plating and polishing facilities at area sources (Federal Sub WWWWWW).
- Submit delegation package for
 - Lead Acid Battery Manufacturing Facilities (1138 Sect 11) by 3/09.
 - Hospital Ethylene Oxide Sterilizer Facilities (1138 Sect 9) by 6/09.
- Adopt new and amend existing air toxics regulations for mobile and stationary sources.
 - Assist in initial stringency determination between Federal Sub CCCCCC vs. existing Delaware regulations by 6/09.
 - Complete initial stringency determination between Federal Sub CCCCCC vs. existing Delaware regulations by 6/09.
 - Finalize the rulemaking strategy for
 - Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10) by 3/09.
 - Area standard applicable to Gasoline Distribution Facilities (Federal Sub BBBB BB) by 9/09.
 - Area standard applicable to Gasoline Dispensing Facilities, if needed, (Federal Sub CCCCCC) by 9/09.
 - Submit Start Action Notice for
 - Diesel Chip Reflash regulation by 12/31/09.
 - New Smoking Vehicle regulation by 12/31/09.
 - Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10) by 6/09.
 - Area standard applicable to Plating and Polishing Operations (Federal Sub WWWW WW) by 9/09.
 - Area standard applicable to Gasoline Distribution Facilities (Federal Sub BBBB BB) by 12/09.
 - Area standard applicable to Gasoline Dispensing Facilities, if needed, (Federal Sub CCCCCC) by 12/09.
 - Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 12/09, if EPA finalizes reconsideration.

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2009 Air Toxics Strategic Plan

Year 2009

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources - Continued <ul style="list-style-type: none"> • Complete stringency determinations for <ul style="list-style-type: none"> • Hospital Ethylene Oxide Sterilizer Facilities (1138 Sect 9) by 1/09. • Amend Regulation 1131 to expand the low enhanced inspection and maintenance (I/M) program statewide by 12/31/09. • Adopt Delaware applicable area source standards under Section 112(k) into Regulation 38 prior to federal existing source compliance dates. <ul style="list-style-type: none"> • Area standard applicable to Hospital Ethylene Oxide Sterilizers (1138 Sect 9) by 3/09. • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.
<ul style="list-style-type: none"> • Implement a “Smoking Vehicle Reduction Program”. <ul style="list-style-type: none"> • Initiate baseline testing of smoking vehicles by 12/31/09. • Develop and produce outreach materials and program to support baseline testing of smoking vehicle by 12/31/09. • Continue to maintain diesel emissions opacity instrumentation training program.
<ul style="list-style-type: none"> • Continue to audit I/M program and submit annual I/M report to EPA R3, if appropriate.
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits. <ul style="list-style-type: none"> • Complete Red Clay School District bus retrofits by 3/31/09. • Complete Port of Wilmington retrofits by 12/31/09.
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. • Complete the close out of the Energy Answers Program by 3/31/09. • Reassess continuation of the Energy Star Program • Sustainable Energy Utility – SEU <ul style="list-style-type: none"> • Home Performance
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Utility Accounting • Energy Saving Performance Contracting • Electricity Procurement • Energy Executive Order
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy Program <ul style="list-style-type: none"> • Photovoltaic Electric • Photovoltaic Hot Water • Geothermal • Wind • Technology Demonstration/Research & Development Grant Program • Renewable Portfolio Goals
<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: <ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels

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2009 Air Toxics Strategic Plan

Year 2009

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.

- Continue to provide air toxics-related support to State through. . .
 - Reviewing of air permits.
 - Providing current regulatory interpretations.
 - Advising on likely future trends and actions.
- Continue to provide technical support, as needed, to . . .
 - Engineering & Compliance Branch in their implementation of the “Boiler MACT” case-by-case MACT determinations.

Year 2009

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

- 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. .
- Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
- Complete evaluation of conversions made under the voluntary diesel chip reflash program.
- Continue to look for and track, if found, appropriate “air toxics indicators” to gauge progress in reducing air toxics.
- 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.
- By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.
 - School and trucking industry anti-idling outreach programs.
 - Anti-idling compliance and enforcement program.
 - Voluntary diesel chip reflash conversion.
 - Mobile source air toxics reduction or education programs addressing hot spots.

Year 2009

Air toxics resource development

- Evaluate available training and encourage broader participation in risk-related training.
 - Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.
 - Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - Evaluate the need for air toxics-related training for staff and present, as needed.
 - Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
- Develop and implement mechanisms to improve air toxics communications.
 - Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - Continue to promote open communications between DNREC and small businesses on air toxics issues.

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<ul style="list-style-type: none">• Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.
<ul style="list-style-type: none">• Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program.
<ul style="list-style-type: none">• Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
<ul style="list-style-type: none">• Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
<ul style="list-style-type: none">• Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
<ul style="list-style-type: none">• Complete redesign of the Air Quality Management "Air Toxics" webpage.
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Build greater understanding of ambient air toxics environment
<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. <ul style="list-style-type: none"> • 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. . • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. • Continue to collaborate with University of Delaware on air toxics research and special projects. • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. • Continue to operate the gas chromatographic mass spectrometer to quantify “Community Air Toxics”. • Issue final “Community Air Toxics” report by 4/30/10. • Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. • Continue to support the gas chromatographic mass spectrometer platform operations and maintenance. • Undertake new or special monitoring needs that may surface.
<ul style="list-style-type: none"> • Provide air toxics modeled results (HAP concentrations) to support . . . <ul style="list-style-type: none"> • Assessment of air toxics health impacts in communities. • Development of toxics standards based on cumulative risk. • Development of control strategies to meet the new air toxics standards. • Assist the air permitting decision-making process by considering cumulative impacts. • Improve the emissions inventory/modeling results.
<ul style="list-style-type: none"> • Continue to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts of control strategies.

Year 2010

Identify potential harm from exposure to air toxics
<ul style="list-style-type: none"> • Continue to refine air toxics model for characterizing air toxics risks through utilization of applications in Sub-Grid Scale Variability (SGV).
<ul style="list-style-type: none"> • Characterize the cancer and non-cancer risks through future air toxics assessment programs. <ul style="list-style-type: none"> • Coordinate ongoing risk assessment support and guidance of DPH for air toxics risk reduction activities.
<ul style="list-style-type: none"> • Provide modeling support to Air Quality’s Community Air Toxics Study (CATS), pending the completion of the CATS.
<ul style="list-style-type: none"> • Provide modeling support for DNREC’s interest in a proposed multimedia total exposure study, pending the start up of the study.
<ul style="list-style-type: none"> • Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate. <ul style="list-style-type: none"> • Continue analysis of data collected from E-DATAS projects. • Continue source apportionment analyses for air toxics projects identified in 2009, as needs arise and resources allow. <ul style="list-style-type: none"> • Sources of air toxics of concern. • Contribution of mobile sources versus stationary sources. • Diesel particulate matter. • Residential wood stoves.

2009 Air Toxics Strategic Plan

Year 2010

Gather information related to air toxics sources
• Submit 2008 NEI for HAPs by 6/1/10.
• Provide emissions inventory support to the air toxics education and reduction programs, as required.
• By 12/10, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
• By 12/10, identify and enter into AFS all new or previously unknown affected sources which are subject to Perc Dry Cleaning standard (1138 Sect 5) and Miscellaneous Mobile Source Surface Coating standards (1138 Sect 10).
• Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2010.
• Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.
• Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.

Year 2010

Identify options for reducing air toxics in the environment
• Continue the implementation of the air toxics reduction programs, as appropriate.
• Continue to monitor federal activities associated with the new Lead NAAQS.
• Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
• 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"> • 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. • 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.
• Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
• Promote smart growth oversight that encourages consideration of impact of mobile source emissions.
• 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"> • Newly proposed amendments to federal MACT and incinerator standards. <ul style="list-style-type: none"> • Boiler and Process Heater MACT standard. • Federal Commercial and Industrial Solid Waste Incinerator standard. • Federal Hospital/Medical/Infectious Waste Incinerator standard. • Newly proposed federal residual risk standards. <ul style="list-style-type: none"> • Federal Sub N (Chrome plating facilities). • Federal Sub RRR (Secondary aluminum smelters). • Federal Sub VVV (Publicly Owned Treatment Works). • Newly proposed federal area source standards under Section 112(k), if EPA falls behind schedule. • Follow amendment of federal Reciprocating Internal Combustion Engines (Federal Sub ZZZZ) for existing area sources. • As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
• Continue to participate in development of the rulemaking strategy for <ul style="list-style-type: none"> • Area standard applicable to gasoline dispensing facilities (Federal Sub CCCCCC), if needed. • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10). • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (1138 Sect 10).

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2009 Air Toxics Strategic Plan

Year 2010

Identify options for reducing air toxics in the environment – cont.

- Implement other air toxics-related communications and outreach programs.
 - Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - Claymont Coalition.
 - Claymont Industrial Partnership Initiative.
 - Explore new outreach opportunities.
 - Continue to support Engineering and Compliance’s community/industrial air toxics outreach programs.
- Identify grant and funding opportunities.
 - Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
- Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

Year 2010

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

- Insure continued or improved compliance of stationary sources.
 - Continue to perform full compliance evaluations (FCEs) of air toxics sources in accordance with the applicable compliance monitoring plan.
 - Perform full compliance evaluations (FCEs) at area air toxics sources as follows:
 - The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.
 - The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2010-11 timeframe.
 - The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.
 - The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.
 - The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.
 - The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.
 - The one (1) source, subject to electric arc furnace (Federal Sub YYYYY) and iron and steel foundries (Federal Sub ZZZZZ), covered during the 2010-11 timeframe.
 - By 9/10, perform compliance evaluations (CE) at area air toxics sources as follows:
 - 25% or ~20 perchloroethylene dry cleaning facilities subject to 1138 Sect 5; total population is ~80 facilities.
 - 25% or ~40 auto body refinishing shops subject to 1124 Sect 11; total population is ~160 facilities.
 - 10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
 - Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124.
 - Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124, during 2010; total population is ~406 facilities.
 - Incorporate updated MACT and Residual Risk requirements in air permits.
 - Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
 - Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
 - Complete Compliance Assistance Program consistent with the Compliance Assistance Oversight Plan for
 - Sources subject to Miscellaneous Surface Coating of Mobile Sources (1138 Sect 10) by 4Q/10.

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2009 Air Toxics Strategic Plan

Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Promote the implementation of mobile source air toxics reduction initiatives/programs. <ul style="list-style-type: none"> • Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs. • Continue to support of the SmartWay Transport programs, as appropriate. <ul style="list-style-type: none"> • Complete Smyrna Rest Stop Electrification project. • Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate. • Complete development and commence implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
<ul style="list-style-type: none"> • Implement other air toxics-related communications and outreach programs. <ul style="list-style-type: none"> • Continue to conduct anti-idling outreach programs for schools and the trucking industry and report status to EPA R3, as appropriate. • Complete development of educational materials for AQM's "Community Air Toxics" study and begin implementation. • Continue to improve compliance with Delaware's open burning requirements. <ul style="list-style-type: none"> • Evaluate and improve, if needed, Delaware's open burning website and education materials. • Continue to educate the public on Delaware's open burning restrictions.
<ul style="list-style-type: none"> • Provide support to small businesses on air toxics related issues. <ul style="list-style-type: none"> • Provide compliance assistance to auto-body shops and other affected small businesses during the final development and initial implementation of the paint stripping and miscellaneous surface coating standard (1138 Sect 10). • Provide compliance assistance to gasoline dispensing facilities subject to Federal Sub CCCCCC, if appropriate. • Provide compliance assistance to plating and polishing facilities subject to Federal Sub WWWWWW, if appropriate. • Continue to encourage new participation and provide assistance during the implementation of the Green Lodging program.
<ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
<ul style="list-style-type: none"> • Submit delegation package for <ul style="list-style-type: none"> • Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 3Q/10. • Halogenated Solvent Degreasers (1138 Sect 8) by 3Q/10. • Plating and Polishing Operations (Federal Sub WWWWWW) by 3Q/10.
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources. <ul style="list-style-type: none"> • Adopt the new Smoking Vehicle regulation. • Adopt the Diesel Chip Reflash regulation, if the voluntary program is unsuccessful. • Submit Start Action Notices for <ul style="list-style-type: none"> • Amending the General Provisions (1138 Sect 3) for uncontested amendments by 3Q/10. • Area standard applicable to Metal Fabrication and Finishing Operations (Federal Sub XXXXXX) by 3Q/10. • Complete stringency determinations for <ul style="list-style-type: none"> • Area standard applicable to Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 1Q/10. • Area standard applicable to Plating and Polishing Operations (Federal Sub WWWWWW) by 1Q/10. • Residual risk standard applicable to Halogenated Solvent Degreasers (1138 Sect 8) by 1Q/10. • Area standard applicable to Gasoline Distribution Facilities (Federal Sub BBBB) by 3Q/10. • Area standard applicable to Gasoline Dispensing Facilities (Federal Sub CCCCC) by 3Q/10.

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2009 Air Toxics Strategic Plan

Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources - Continued
<ul style="list-style-type: none"> • Finalize the adoption of area source standards for <ul style="list-style-type: none"> • Halogenated Solvent Degreasers (1138 Sect 8) by 2Q/10.
<ul style="list-style-type: none"> • Adopt Delaware applicable area source standards under Section 112(k) into Regulation 38 prior to federal existing source compliance dates. <ul style="list-style-type: none"> • Paint Stripping and Miscellaneous Surface Coating Operations (Federal Sub HHHHHH) by 2Q/10. • Plating and Polishing Operations (Federal Sub WWWWWW) by 2Q/10. • Gasoline Distribution Facilities (Federal Sub BBBB) by 4Q/10. • Gasoline Dispensing Facilities (Federal Sub CCCCC) by 4Q/10.
<ul style="list-style-type: none"> • Develop path forward or submit negative declaration, when the Federal Commercial and Industrial Solid Waster Incinerator and Hospital/Medical/Infectious Waste Incinerator standards are finalized. • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate. • As regulations, especially area source standards, are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses. <ul style="list-style-type: none"> • Metal fabrication and finishing operations at area sources (Federal Sub XXXXXX).
<ul style="list-style-type: none"> • Implement a “Smoking Vehicle Reduction Program”. <ul style="list-style-type: none"> • Continue to maintain diesel emissions opacity instrumentation training program. • Provide outreach in support of the baseline testing of smoking vehicle. • Complete baseline testing of smoking vehicles.
<ul style="list-style-type: none"> • Complete public outreach program associated with the implementation of the revised statewide enhanced low inspection and maintenance program.
<ul style="list-style-type: none"> • Continue to audit I/M program and submit annual I/M report to EPA R3, if appropriate.
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits.
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. • Sustainable Energy Utility - SEU
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Utility Accounting • Energy Saving Performance Contracting • Electricity Procurement • Energy Executive Order
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy Program <ul style="list-style-type: none"> • Photovoltaic Electric • Photovoltaic Hot Water • Geothermal • Wind • Technology Demonstration/Research & Development Grant Program • Renewable Portfolio Goals

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2009 Air Toxics Strategic Plan

Year 2010

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.

- Continue to identify and implement transportation programs. Transportation programs include:
 - Clean State Program – focusing on greater use of alternative transportation fuels
- Continue to provide air toxics-related support to State through . . .
 - Reviewing of air permits.
 - Providing current regulatory interpretations.
 - Advising on likely future trends and actions.

Year 2010

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

- 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. .
- Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
- Continue tracking the “air toxics indicators”, if any are found.
- 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.
- By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.
 - Revised statewide I/M public outreach program.
 - Revised statewide I/M implementation program.

Year 2010

Air toxics resource development

- Evaluate available training and encourage broader participation in risk-related training.
 - Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.
 - Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - Evaluate the need for air toxics-related training for staff and present, as needed.
 - Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
- Develop and implement mechanisms to improve air toxics communications.
 - Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - Continue to promote open communications between DNREC and small businesses on air toxics issues.

2011

2009 Air Toxics Strategic Plan

Year 2011

Implement an on-going program to address the risks from exposure to air toxic
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts. <ul style="list-style-type: none"> • Review status and complete year-end status report on the 2010 individual Strategic Plans. • Track implementation and report year-end-status of the 2010 Air Toxics Strategic Plan. • Review status and complete mid-year status report on the 2011 individual Strategic Plans. • Track implementation and report mid-year status on the 2011 Air Toxics Strategic Plan. • Updating of the Air Toxics Strategic Plan for 2012-2016 <ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source program and timing, as part of the 2012 Air Toxics Strategic Plan by 10/11. • Coordinate development of the 2012 Air Toxics Strategic Plan (ATSP). • Update individual Strategic Plans for 2012-2016. • Update and finalize 2012 Air Toxics Strategic Plan for years 2012 to 2016.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
<ul style="list-style-type: none"> • Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
<ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source activities and timing, as part of the 2012 Air Toxics Strategic Plan by 12/11.
<ul style="list-style-type: none"> • Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2011

Build greater understanding of ambient air toxics environment
<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. <ul style="list-style-type: none"> • 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. • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. • Continue to collaborate with University of Delaware on air toxics research and special projects. • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. • Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics". • Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. • Continue to support the gas chromatographic mass spectrometer platform operations and maintenance. • Undertake new or special monitoring needs that may surface.
<ul style="list-style-type: none"> • Provide air toxics modeling support to meet community and internal needs.
<ul style="list-style-type: none"> • Continue to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts of control strategies.

2009 Air Toxics Strategic Plan

Year 2011

Identify potential harm from exposure to air toxics

- Provide modeling support for DNREC's interest in the multimedia total exposure study.
- Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate.
 - Continue source apportionment analyses for air toxics projects identified in 2009, as needs arise and resources allow.

Year 2011

Gather information related to air toxics sources

- Develop emissions inventory protocol for the implementation of the 2011 NEI, if needed.
- Provide emissions inventory support to the air toxics education and reduction programs, as required.
- Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
- By 12/11, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
- By 12/11, identify and enter into AFS all new or previously unknown affected sources which are subject to Perc Dry Cleaning standard (1138 Sect 5) and Miscellaneous Mobile Source Surface Coating standards (1138 Sect 10).
- Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2011.
- Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

Year 2011

Identify options for reducing air toxics in the environment

- Continue the implementation of the air toxics reduction programs, as appropriate.
- Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
- Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
 - 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.
 - 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.
- Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
- Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- 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.
 - Newly proposed amendments to federal MACT and incinerator standards.
 - Newly proposed federal residual risk standards.
- Implement other air toxics-related communications and outreach programs.
 - Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
- Identify grant and funding opportunities.
 - Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
- Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2009 Air Toxics Strategic Plan

Year 2011

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

- Promote the implementation of mobile source air toxics reduction initiatives/programs.
 - Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs.
 - Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate.
 - Complete development and commence implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
- Insure continued or improved compliance of stationary sources.
 - Continue to perform full compliance evaluations (FCEs) of air toxics sources in accordance with the applicable compliance monitoring plan.
 - Perform full compliance evaluations (FCEs) at area air toxics sources as follows:
 - The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2010-11 timeframe.
 - The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2010-11 timeframe.
 - The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2010-11 timeframe.
 - The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2010-11 timeframe.
 - The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2010-11 timeframe.
 - The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2010-11 timeframe.
 - The one (1) source, subject to electric arc furnace (Federal Sub YYYYY) and iron and steel foundries (Federal Sub ZZZZZ), covered during the 2010-11 timeframe.
 - The two (2) plating and polishing operations, subject to Federal Sub WWWWWW, covered during 2011.
 - 20% or ~7 non-mobile equipment surface coating facilities, subject to 1138 Sect 10, covered during 2011; total population is ~33 facilities.
 - The two (2) gasoline distribution operations, subject to Federal Sub BBBBBB, covered during 2011.
 - By 9/11, perform compliance evaluations (CE) at area air toxics sources as follows:
 - 25% or ~20 perchloroethylene dry cleaning facilities, subject to 1138 Sect 5; total population is ~80 facilities.
 - 25% or ~40 miscellaneous mobile source surface coating facilities subject to 1138 Sect 10 and/or 1124 Sect 11; total population is ~160 facilities.
 - 10% or ~60 gasoline delivery vessels; total population is ~600 facilities.
 - Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable.
 - Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2011; total population is ~406 facilities.
 - Incorporate updated MACT and Residual Risk requirements in air permits.
 - Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed.
 - Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed.
 - Incorporated area source standard requirements during renewal or reopening of Title V permits for
 - Non-mobile equipment surface coating facilities to include Cleaning and Coating (1138 Sect 10) requirements, if applicable.
 - Camdel Metals to include Halogenated Solvent Cleaning System (1138 Sect 8) residual risk requirements.

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2009 Air Toxics Strategic Plan

Year 2011

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources - Continued
<ul style="list-style-type: none"> • Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for <ul style="list-style-type: none"> • Non-Title V non-mobile equipment surface coating facilities to include Cleaning and Coating (1138 Sect 10) requirements by 2Q/11. • Cermet to include Halogenated Solvent Cleaning System (1138 Sect 8) residual risk requirements by 2Q/11. • Sources subject to Plating and Polishing Operations (Federal Sub WWWWWW) requirements by 2Q/11. • Sources subject to Gasoline Distribution Operations (Federal Sub BBBB) requirements by 4Q/11. • Sources subject to Miscellaneous Surface Coating of mobile sources (1138 Sect 10) and complete issuances by 2Q/11. • Sources subject to the Gasoline Dispensing Facilities standard (Federal Sub CCCCC) requirements by 4Q/11, if needed.
<ul style="list-style-type: none"> • Continue to educate the public on Delaware’s open burning restrictions.
<ul style="list-style-type: none"> • Continue to conduct anti-idling outreach programs.
<ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
<ul style="list-style-type: none"> • Coordinate Air Toxics Area Source Program development, if any area source standards are newly promulgated or revised. <ul style="list-style-type: none"> • Coordinate the identification of known or potentially affected sources, update the area source inventory and send inventory report to EPA by 3/10 and 9/10, if required. • 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. • Update the Area Source Program – Implementation Plan, as needed.
<ul style="list-style-type: none"> • Submit delegation package for <ul style="list-style-type: none"> • Gasoline Distribution Facilities (Federal Sub BBBB) by 1Q/11. • Gasoline Dispensing Facilities (Federal Sub CCCCC) by 1Q/11. • General Provisions (Federal Sub A) for uncontested amendments by 3Q/11. • Metal Fabrication and Finishing Operations (Federal Sub XXXXX) by 3Q/11.
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources. <ul style="list-style-type: none"> • Complete stringency determinations for <ul style="list-style-type: none"> • General Provisions (1138 Sect 3) for uncontested amendments by 1Q/11. • Area standard applicable to Metal Fabrication and Finishing Operations (Federal Sub XXXXX) by 1Q/11. • Finalize the adoption of area source standards for <ul style="list-style-type: none"> • Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> • Amend Secondary aluminum smelters standard (1138 Sect 12) for federal residual risk requirements, if warranted. • Amend Chrome plating standard (1138 Sect 6) for federal residual risk requirements. • General Provisions (1138 Sect 3) for uncontested amendments by 2Q/11. • Adopt Delaware applicable area source standards under Section 112(k) into Regulation 38 prior to federal existing source compliance dates. <ul style="list-style-type: none"> • Area standard applicable to Metal Fabrication and Finishing Operations (Federal Sub XXXXX) by 2Q/11. • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate.

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2009 Air Toxics Strategic Plan

Year 2011

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources - Continued
<ul style="list-style-type: none"> • Provide support to small businesses on air toxics related issues. <ul style="list-style-type: none"> • Continue to provide compliance assistance to auto-body shops and other affected small businesses during the final implementation of the paint stripping and miscellaneous surface coating standard (1138 Sect 10). • Continue to provide compliance assistance to gasoline dispensing facilities subject to Federal Sub CCCCCC, if appropriate. • Continue to provide compliance assistance to plating and polishing facilities subject to Federal Sub WWWWWW, if appropriate. • Provide compliance assistance to metal fabrication and finishing operations subject to Federal Sub XXXXXXX, if appropriate. • Continue to encourage new participation and provide assistance during the implementation of the Green Lodging program.
<ul style="list-style-type: none"> • Implement a “Smoking Vehicle Reduction Program”. <ul style="list-style-type: none"> • Continue to maintain diesel emissions opacity instrumentation training program. • Develop and carryout “Smoking Vehicle” outreach program. • Establish and implement ongoing compliance and enforcement strategy.
<ul style="list-style-type: none"> • Continue to audit I/M program and submit annual I/M report to EPA R3, if appropriate.
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits.
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. • Sustainable Energy Utility - SEU
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Utility Accounting • Energy Saving Performance Contracting • Electricity Procurement • Energy Executive Order
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy Program <ul style="list-style-type: none"> • Photovoltaic Electric • Photovoltaic Hot Water • Geothermal • Wind • Technology Demonstration/Research & Development Grant Program • Renewable Portfolio Goals
<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: <ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels
<ul style="list-style-type: none"> • Continue to provide air toxics-related support to State through. . . <ul style="list-style-type: none"> • Reviewing of air permits. • Providing current regulatory interpretations. • Advising on likely future trends and actions.

2009 Air Toxics Strategic Plan

Year 2011

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

- 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. .
- Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
- Continue tracking the “air toxics indicators”, if any are found.
- 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.
- By September, complete a self-assessment of major mobile source air toxics reduction and education programs undertaken or in progress to determine effectiveness, impacts, and improvements. Incorporate results into the respective programs.
 - “Smoking Vehicle Reduction Program” outreach programs.
 - “Smoking Vehicle Reduction Program” compliance and enforcement program.

Year 2011

Air toxics resource development

- Evaluate available training and encourage broader participation in risk-related training.
 - Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.
 - Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - Evaluate the need for air toxics-related training for staff and present, as needed.
 - Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
- Develop and implement mechanisms to improve air toxics communications.
 - Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - Continue to promote open communications between DNREC and small businesses on air toxics issues.

2012

2009 Air Toxics Strategic Plan

Year 2012

Implement an on-going program to address the risks from exposure to air toxic
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts. <ul style="list-style-type: none"> • Review status and complete year-end status report on the 2011 individual Strategic Plans. • Track implementation and report year-end-status of the 2011 Air Toxics Strategic Plan. • Review status and complete mid-year status report on the 2012 individual Strategic Plans. • Track implementation and report mid-year status on the 2012 Air Toxics Strategic Plan. • Updating of the Air Toxics Strategic Plan for 2013-2017 <ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source program and timing, as part of the 2013 Air Toxics Strategic Plan by 10/12. • Coordinate development of the 2013 Air Toxics Strategic Plan (ATSP). • Update individual Strategic Plans for 2013-2017. • Update and finalize 2013 Air Toxics Strategic Plan for years 2013 to 2017.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
<ul style="list-style-type: none"> • Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
<ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source activities and timing, as part of the 2013 Air Toxics Strategic Plan by 12/12.
<ul style="list-style-type: none"> • Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2012

Build greater understanding of ambient air toxics environment
<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. <ul style="list-style-type: none"> • 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. • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. • Continue to collaborate with University of Delaware on air toxics research and special projects. • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. • Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics". • Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. • Continue to support the gas chromatographic mass spectrometer platform operations and maintenance. • Undertake new or special monitoring needs that may surface.
<ul style="list-style-type: none"> • Provide air toxics modeling support to meet community and internal needs.
<ul style="list-style-type: none"> • Continue to integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts of control strategies.

2009 Air Toxics Strategic Plan

Year 2012

Identify potential harm from exposure to air toxics

- Provide modeling support for DNREC's interest in the multimedia total exposure study.

Year 2012

Gather information related to air toxics sources

- Develop the 2011 NEI for HAPs. Expected completion 6/1/13.
- Provide emissions inventory support to the air toxics education and reduction programs, as required.
- Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
- By 12/12, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
- By 12/12, identify and enter into AFS all new or previously unknown affected sources which are subject to Perc Dry Cleaning standard (1138 Sect 5) and Miscellaneous Mobile Source Surface Coating standards (1138 Sect 10).
- Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2012.
- Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

Year 2012

Identify options for reducing air toxics in the environment

- Continue the implementation of the air toxics reduction programs, as appropriate.
- Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
- Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
 - 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.
 - 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.
- Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
- Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- 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.
 - Newly proposed amendments to federal MACT and incinerator standards.
 - Newly proposed federal residual risk standards.
- Implement other air toxics-related communications and outreach programs.
 - Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
- Identify grant and funding opportunities.
 - Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - Work with and promote open communications with other branches, divisions and Departments on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
- Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2009 Air Toxics Strategic Plan

Year 2012

Implement appropriate actions to reduce the harm from exposure to air toxics
<ul style="list-style-type: none"> • Promote the implementation of mobile source air toxics reduction initiatives/programs. <ul style="list-style-type: none"> • Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs. • Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate. • Complete development and commence implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. <ul style="list-style-type: none"> • Continue to perform full compliance evaluations (FCEs) of air toxics sources in accordance with the applicable compliance monitoring plan. • Perform full compliance evaluations (FCEs) at area air toxics sources as follows: <ul style="list-style-type: none"> • The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2012-13 timeframe. • The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2012-13 timeframe. • The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe. • The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe. • The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2012-13 timeframe. • The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2012-13 timeframe. • The one (1) source, subject to electric arc furnace (Federal Sub YYYYY) and iron and steel foundries (Federal Sub ZZZZZ), covered during the 2012-13 timeframe. • The two (2) plating and polishing operations, subject to Federal Sub WWWWWW, covered during the 2012-13 timeframe. • 40% or ~14 non-mobile equipment surface coating facilities, subject to 1138 Sect 10, covered during the 2012-13 timeframe; total population is ~33 facilities. • The two (2) gasoline distribution operations, subject to Federal SubBBBBBB, covered during the 2012-13 timeframe. • The four (4) metal fabrication and finishing operations, subject to Federal Sub XXXXXX, covered during the 2012-13 timeframe. • By 9/12, perform compliance evaluations (CE) at area air toxics sources as follows: <ul style="list-style-type: none"> • 25% or ~20 perchloroethylene dry cleaning facilities, subject to 1138 Sect 5; total population is ~80 facilities. • 25% or ~40 miscellaneous mobile source surface coating facilities subject to 1138 Sect 10 and/or 1124 Sect 11; total population is ~160 facilities. • 10% or ~60 gasoline delivery vessels; total population is ~600 facilities. • Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable. • Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2012; total population is ~406 facilities. • Incorporate updated MACT and Residual Risk requirements in air permits. <ul style="list-style-type: none"> • Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed. • Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed. • Incorporated area source standard requirements during renewal or reopening of Title V permits for <ul style="list-style-type: none"> • Sources subject to Metal Fabrication and Finishing Operations (Federal Sub XXXXXX) requirements, if applicable. • Incorporate area source standard requirements into new or existing natural and synthetic minor source permits for <ul style="list-style-type: none"> • Sources subject to Metal Fabrication and Finishing Operations (Federal Sub XXXXXX) requirements by 2Q/12. • Continue to incorporate Area Source Standard requirements into new natural minor source permits.
<ul style="list-style-type: none"> • Continue to educate the public on Delaware's open burning restrictions.
<ul style="list-style-type: none"> • Continue to conduct anti-idling outreach programs.

Continued on next page

2009 Air Toxics Strategic Plan

Year 2012

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
<ul style="list-style-type: none"> • Update the Area Source Program – Implementation Plan, as needed.
<ul style="list-style-type: none"> • Finalize the adoption of area source standards for <ul style="list-style-type: none"> • Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> • Adopt Delaware applicable area source residual risk standards into Regulation 1138, if needed. • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate. • Provide support to Small Businesses on air toxics related issues.
<ul style="list-style-type: none"> • Continue to audit I/M program and submit annual I/M report to EPA R3, if appropriate.
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits.
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. • Sustainable Energy Utility - SEU
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Utility Accounting • Energy Saving Performance Contracting • Electricity Procurement • Energy Executive Order
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy Program <ul style="list-style-type: none"> • Photovoltaic Electric • Photovoltaic Hot Water • Geothermal • Wind • Technology Demonstration/Research & Development Grant Program • Renewable Portfolio Goals
<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: <ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels
<ul style="list-style-type: none"> • Continue to provide air toxics-related support to State through. . . <ul style="list-style-type: none"> • Reviewing of air permits. • Providing current regulatory interpretations. • Advising on likely future trends and actions.

2009 Air Toxics Strategic Plan

Year 2012

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

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

Year 2012

Air toxics resource development

- Evaluate available training and encourage broader participation in risk-related training.
 - Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.
 - Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - Evaluate the need for air toxics-related training for staff and present, as needed.
 - Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
- Develop and implement mechanisms to improve air toxics communications.
 - Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - Continue to promote open communications between DNREC and small businesses on air toxics issues.

2013

2009 Air Toxics Strategic Plan

Year 2013

Implement an on-going program to address the risks from exposure to air toxic
<ul style="list-style-type: none"> • Continue to build the strategic planning capacity to implement risk-based assessment programs to mitigate any unacceptable air toxics impacts.
<ul style="list-style-type: none"> • Review status and complete year-end status report on the 2012 individual Strategic Plans.
<ul style="list-style-type: none"> • Track implementation and report year-end-status of the 2012 Air Toxics Strategic Plan.
<ul style="list-style-type: none"> • Review status and complete mid-year status report on the 2013 individual Strategic Plans.
<ul style="list-style-type: none"> • Track implementation and report mid-year status on the 2013 Air Toxics Strategic Plan.
<ul style="list-style-type: none"> • Updating of the Air Toxics Strategic Plan for 2014-2018 <ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source program and timing, as part of the 2014 Air Toxics Strategic Plan by 10/13. • Coordinate development of the 2014 Air Toxics Strategic Plan (ATSP). • Update individual Strategic Plans for 2014-2018. • Update and finalize 2014 Air Toxics Strategic Plan for years 2014 to 2018.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems, develop strategies/solutions, and implement DE air toxics program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify air quality problems related to small businesses, develop strategies/solutions, and implement in the DE air toxics program and small business assistance program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify pollution prevention opportunities, develop strategies/solutions, and continue the DE pollution prevention program.
<ul style="list-style-type: none"> • Continue participation on internal, local, regional, and national committees to identify energy issues, develop strategies/solutions, and implement Delaware's energy program.
<ul style="list-style-type: none"> • Identify regulatory deficiencies, implementation problems, and training needs and recommend appropriate solutions.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance's assignments, organization structure and protocols to better address risk-based air toxics programs, as needed.
<ul style="list-style-type: none"> • Review and revise, if needed, air toxics area source activities and timing, as part of the 2014 Air Toxics Strategic Plan by 12/13.
<ul style="list-style-type: none"> • Continue to evaluate and realign Area Source Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.

Year 2013

Build greater understanding of ambient air toxics environment
<ul style="list-style-type: none"> • Determine ambient air toxics concentrations for selected HAPs in Delaware. <ul style="list-style-type: none"> • 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. • Submit quarterly air toxics monitoring data to national AIRS-AQS database following data validation. • Continue to collaborate with University of Delaware on air toxics research and special projects. • Continue Upper Air Profiler project, which will provide meteorological data to NOAA repository for potential use in air toxics modeling, etc. • Continue to operate the gas chromatographic mass spectrometer to quantify "Community Air Toxics". • Continue to identify funding requirements and sources, as well as, staffing needed to fully utilize the air toxics analytical lab. • Continue to support the gas chromatographic mass spectrometer platform operations and maintenance. • Undertake new or special monitoring needs that may surface.
<ul style="list-style-type: none"> • Provide air toxics modeling support to meet community and internal needs.

2009 Air Toxics Strategic Plan

Year 2013

Identify potential harm from exposure to air toxics

- Provide modeling support for DNREC's interest in the multimedia total exposure study.

Year 2013

Gather information related to air toxics sources

- Submit 2011 NEI for HAPs by 6/1/13.
- Provide emissions inventory support to the air toxics education and reduction programs, as required.
- Track the emissions of air toxics of concern from significant sources contributing to elevated risks of exposure to air toxics.
- By 12/13, identify and enter into AFS all new or previously unknown affected sources which are subject to any area source standards promulgated under 112(d) or 112(k) of the CAA.
- By 12/10, identify and enter into AFS all new or previously unknown affected sources which are subject to Perc Dry Cleaning standard (1138 Sect 5) and Miscellaneous Mobile Source Surface Coating standards (1138 Sect 10).
- Submit UST Semiannual Activities Reports to the EPA by April 30 and October 31, 2013.
- Assist in the identification of known or potentially affected sources for newly promulgated area source standards, as needed.

Year 2013

Identify options for reducing air toxics in the environment

- Continue the implementation of the air toxics reduction programs, as appropriate.
- Maintain open communications with Chamber of Shipping of America and the U.S.C.G. regarding any recent or impending changes in national or international shipping laws that might impact Section 46 of Regulation 1124.
- Initiate and continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
 - 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.
 - 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.
- Continue participation in OTC Clean Corridors and the Mid Atlantic Diesel Collaborative (MADC) projects and report status to EPA R3, if appropriate.
- Continue to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- 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.
 - Newly proposed amendments to federal MACT and incinerator standards.
 - Newly proposed federal residual risk standards.
- Implement other air toxics-related communications and outreach programs.
 - Continue to participate in community/industrial air toxics outreaches and evaluate new opportunities.
 - Continue to support Engineering and Compliance's community/industrial air toxics outreach programs.
- Identify grant and funding opportunities.
 - Facilitate the identification, preparation and submission for transportation-related grants or other funding.
 - Work with and promote open communications with other branches, divisions and Department on energy efficiency/conservation opportunities and pursue funding opportunities for projects.
- Evaluate the need for the development of additional Source Category Permits to address air toxics issues.

2009 Air Toxics Strategic Plan

Year 2013

Implement appropriate actions to reduce the harm from exposure to air toxics
<ul style="list-style-type: none"> • Promote the implementation of mobile source air toxics reduction initiatives/programs. <ul style="list-style-type: none"> • Working with other State and Regional agencies, actively promote implementation of the SmartWay Transport programs. • Monitor and report on activities conducted in support of the SmartWay Transport programs, as appropriate. • Complete development and commence implementation of the mobile source air toxics reduction or education programs, if mobile source-driven hot spots are found.
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. <ul style="list-style-type: none"> • Continue to perform full compliance evaluations (FCEs) of air toxics sources in accordance with the applicable compliance monitoring plan. • Perform full compliance evaluations (FCEs) at area air toxics sources as follows: <ul style="list-style-type: none"> • The three (3) chrome plating facilities, subject to 1138 Sect 6, covered during the 2012-13 timeframe. • The two (2) halogenated solvent degreasers, subject to 1138 Sect 8, covered during the 2012-13 timeframe. • The one (1) hazardous waste combustor, subject to Federal Sub EEE, covered during the 2012-13 timeframe. • The three (3) municipal solid waste landfills, subject to Federal Sub AAAA, covered during the 2012-13 timeframe. • The two (2) hospital ethylene oxide sterilization facilities, subject to 1138 Sect 9, covered during the 2012-13 timeframe. • The one (1) lead acid battery manufacturing plant, subject to 1138 Sect 11, covered during the 2012-13 timeframe. • The one (1) source, subject to electric arc furnace (Federal Sub YYYYYY) and iron and steel foundries (Sub ZZZZZZ), covered during the 2012-13 timeframe. • The two (2) plating and polishing operations, subject to Federal Sub WWWWWW, covered during the 2012-13 timeframe. • 40% or ~14 non-mobile equipment surface coating facilities, subject to 1138 Sect 10, covered during the 2012-13 timeframe; total population is ~33 facilities. • The two (2) gasoline distribution operations, subject to Federal Sub BBBBBB, covered during the 2012-13 timeframe. • The four (4) metal fabrication and finishing operations, subject to Federal Sub XXXXXX, covered during the 2012-13 timeframe. • By 9/13, perform compliance evaluations (CE) at area air toxics sources as follows: <ul style="list-style-type: none"> • 25% or ~20 perchloroethylene dry cleaning facilities, subject to 1138 Sect 5; total population is ~80 facilities. • 25% or ~40 miscellaneous mobile source surface coating facilities subject to 1138 Sect 10 and/or 1124 Sect 11; total population is ~160 facilities. • 10% or ~60 gasoline delivery vessels; total population is ~600 facilities. • Track annual testing of Stage II vapor recovery system for gasoline dispensing facilities that are subject to vapor balancing requirements of Regulation 1124 or Federal Sub CCCCCC, whichever is applicable. • Conduct inspections at one third (1/3) of the regulated gasoline dispensing facilities, subject to Regulation 1124 or Federal Sub CCCCCC, whichever is applicable, during 2013; total population is ~406 facilities. • Incorporate updated MACT and Residual Risk requirements in air permits. <ul style="list-style-type: none"> • Renew expiring Title V permits to incorporate newly promulgated MACT and Residual Risk standards, as needed. • Reopen Title V permits for cause to incorporate promulgated MACT and Residual Risk standards consistent with the requirements of Regulation No. 30, as needed. • Continue to incorporate Area Source Standard requirements into new natural minor source permits.
<ul style="list-style-type: none"> • Continue to educate the public on Delaware's open burning restrictions.
<ul style="list-style-type: none"> • Continue to conduct anti-idling outreach programs.
<ul style="list-style-type: none"> • Implement at least one new opportunity to increase small business awareness of actions that small businesses can take to reduce risk from exposure to air toxics including regulatory and P2 programs.
<ul style="list-style-type: none"> • Update the Area Source Program – Implementation Plan, as needed.

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2009 Air Toxics Strategic Plan

Year 2013

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Finalize the adoption of area source standards for <ul style="list-style-type: none"> • Revise existing and develop new control strategies, as needed. <ul style="list-style-type: none"> • Adopt Delaware applicable area source residual risk standards into Regulation 1138, if needed. • As each residual risk and area source standard is being developed, evaluate the need for and implement outreach or education activities, if appropriate. • Provide support to Small Businesses on air toxics related issues.
<ul style="list-style-type: none"> • Continue to audit I/M program and submit annual I/M report to EPA R3, if appropriate.
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits.
<ul style="list-style-type: none"> • Pursue potential joint outreach/educational opportunities with the Delaware Energy Office.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs for the residential and commercial sectors. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency/conservation education, outreach, technical assistance. • Sustainable Energy Utility - SEU
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Utility Accounting • Energy Saving Performance Contracting • Electricity Procurement • Energy Executive Order
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy Program <ul style="list-style-type: none"> • Photovoltaic Electric • Photovoltaic Hot Water • Geothermal • Wind • Technology Demonstration/Research & Development Grant Program • Renewable Portfolio Goals
<ul style="list-style-type: none"> • Continue to identify and implement transportation programs. Transportation programs include: <ul style="list-style-type: none"> • Clean State Program – focusing on greater use of alternative transportation fuels
<ul style="list-style-type: none"> • Continue to provide air toxics-related support to State through. . . <ul style="list-style-type: none"> • Reviewing of air permits. • Providing current regulatory interpretations. • Advising on likely future trends and actions.

2009 Air Toxics Strategic Plan

Year 2013

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

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

Year 2013

Air toxics resource development

- Evaluate available training and encourage broader participation in risk-related training.
 - Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate.
 - Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - Evaluate the need for air toxics-related training for staff and present, as needed.
 - Determine if recently promulgated air toxics standards (MACT, Residual Risk or Area Source GACT) should be presented to staff.
- Develop and implement mechanisms to improve air toxics communications.
 - Continue to implement newly found mechanisms to improve air toxics communications between branches.
 - Continue to promote open communications between DNREC and small businesses on air toxics issues.