

**Delaware
Air Quality
Management**

2006

Air Toxics Strategic Plan

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Air Quality Management
2006 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 2006 ATSP, finalized on 2/2/06, 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**

2006

2006 Air Toxics Strategic Plan – Final

Year 2006

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"> • Finalize the 2006 ATSP and submit to EPA R3 by 2/28/06.
<ul style="list-style-type: none"> • Review status and report on implementation of the 2006 individual Strategic Plans by 7/31/06. • Report on implementation of the 2006 ATSP to EPA R3 by 8/31/06.
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2007-2011 <ul style="list-style-type: none"> • Investigate additional areas to incorporate into the ATSP process. • Coordinate development of the 2007 Air Toxics Strategic Plan (ATSP) for the years 2007 to 2011. • Incorporate risk results from the DATAS Phase I and II into the preparation and development of the air toxics strategic planning process. • Incorporate, if identified, the “air toxics indicators” into the preparation and development of the air toxics strategic planning process. • Update individual Strategic Plans for 2007-2011 by 9/29/06. • Complete 2007 air toxics strategic plan by 12/31/06 and submit to EPA R3, if appropriate.
<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 implementing 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"> • Propose and submit an area source plan to EPA Region 3 for adoption, delegation, and/or implementation of EPA-promulgated area source MACT rules promulgated by 2/28/06.
<ul style="list-style-type: none"> • Finalize, update, and submit to EPA Region 3 the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules by 8/31/06.
<ul style="list-style-type: none"> • Continue to evaluate and reassign engineer/scientist workloads, as needed.
<ul style="list-style-type: none"> • Continue to evaluate and reassign engineer/scientist workloads, as needed.
<ul style="list-style-type: none"> • Evaluate and establish, if appropriate, a discrete mobile source program. <ul style="list-style-type: none"> • Complete evaluation, based on current circumstances, and make recommendations as to the need to establish a discrete mobile source program by 6/30/06. • If recommended, begin to establish mobile source program by 12/31/06.

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Year 2006

Build greater understanding of ambient air toxics environment

- Determine ambient air toxics concentrations for selected HAPs in Delaware.
 - 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 to EPA R3 on 3/15 and 9/30.
 - Enhance knowledge of ambient air toxics concentration for selected aerosols and mobile emissions through cooperative special projects with University of Delaware and Duke.
 - Complete a special project with UD to provide real-time monitoring capability at MLK to better characterize atmospheric aerosols by 9/30.
 - Undertake a special project with UD to provide near real time organic aerosol speciation at MLK, start-up date yet to be determined.
 - Complete source signature analyses project with UD and report results by 9/29/06.
 - Explore, where feasible and appropriate, solutions for current staffing shortages in order to . . .
 - Fully implement enhanced time-resolution capabilities for VOC measurements by developing the technical expertise in the operation and support of the Perkin-Elmer GC/MS.
 - Undertake new or special monitoring needs that surface.
 - Identify funding requirements and pursue traditional and non-traditional funding sources in order to . . .
 - **Fully implement enhanced time-resolution capabilities for VOC measurements by developing equipment infrastructure of the Perkin-Elmer GC/MS.**
 - Work on identified new special monitoring projects.
 - **A strategic monitoring plan for communities surrounding the CitiSteel facility.**
 - **An assessment and development of diesel monitoring methodology.**
- Provide air toxics modeled results (HAP concentrations) based on DATAS-2003 emissions inventory, to support . . .
 - 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.
- Integrate air toxics into future multi-pollutant (ozone/fine particulate/air toxics) modeling assessments to identify synergistic impacts on control strategies.

Year 2006

Identify potential harm from exposure to air toxics

- Characterize the cancer and non-cancer risks associated with 2003 monitoring results at five locations.
 - Review initial DATAS results for five monitored sites to determine impacts and prepare responses for anticipated questions concerning stationary sources with the release of the source apportionment information.
 - Coordinate E&C responses to DATAS results with other AQM branches to ensure consistent responses.
- Characterize the cancer and non-cancer risks associated with 2003 modeled results.
 - Complete DATAS-2003 Phase II modeling work for five selected communities of interest by 6/30/06.
 - Reconcile the DATAS-2003 monitored and modeled concentrations for the five (5) air toxics monitoring sites by 8/31/06.
 - Provide modeled concentrations to DPH for risk assessments by 6/30/06.
 - Coordinate risk assessments needs and results for model-generated DATAS Phase II Report with DPH.
 - Complete DATAS-2003 Phase II modeling report by 8/31/06
 - Coordinate ongoing risk assessment support and guidance of DPH for air toxics control strategy implementation and risk management planning activities.
 - Develop the DATAS Phase II Communication and Outreach Plan by 12/06.

Bold activities are ones for which additional funding will be needed before undertaking

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Year 2006

Identify potential harm from exposure to air toxics – cont.

- Identify the risk assessment and health based needs for 2006 and beyond by 2/28/06.
- Review EPA's release of the 1999 NATA results and facilitate AQM response.
 - Review NATA results to determine impacts and prepare responses for anticipated questions concerning stationary sources within four months of release.
 - Coordinate E&C responses to NATA results with other AQM branches to ensure consistent responses.

Year 2006

Gather information related to air toxics sources

- Develop a listing of sources that will be affected by urban area source standards, under Sect. 112(k) by 6/30/06.
- Provide emissions inventory support to the air toxics risk management planning process programs, as required.
- Develop the 2005 NEI for HAPs. Expected completion 6/1/07.

Year 2006

Identify options for reducing air toxics in the environment

- **With inputs from the Cancer Consortium, implement of a Wilmington community-based Risk Management Plan (RMP) for communities in the vicinity of the Martin Luther King Blvd. monitoring site.**
 - Identify and engage a risk management consultant to prepare a completed design for the community-based RMP implementation by 3/31/06.
 - Identify and engage a risk management facilitator to conduct the community meetings by 3/31/06.
 - Identify and secure stakeholders interested in participating in the Wilmington community-based RMP process by 3/31/06.
 - Working with the stakeholders, identify acceptable meeting dates, times and locations RMP schedule for the Wilmington community-based RMP implementation by 3/31/06.
 - Implement initial steps of the RMP program consistent with the developed schedule. The goals during 2006 include addressing the following:
 - Review of DATAS results.
 - Defining and analyzing DATAS Phase I risks.
 - Identification of chemicals of concern and their health impacts.
 - Identifying significant sources.
- **With inputs from the Cancer Consortium, implement of a community-based Risk Management Plan (RMP) for communities in the vicinity of the Delaware City monitoring site.**
 - Identify and secure stakeholders interested in participating in the Delaware City community-based RMP process by 9/30/06.
 - Working with the stakeholders, identify acceptable meeting dates, times and locations RMP schedule for the Delaware City community-based RMP implementation by 9/30/06.
 - Implement initial steps of the RMP program consistent with the developed schedule. The goals during 2006 include addressing the following:
 - Review of DATAS results.
 - Defining and analyzing DATAS Phase I risks.
- When the DATAS Phase II results are available, analyze for and identify if any source category of air toxics contribute to adverse health impacts that would be better addressed on a county- or state-wide level versus the community basis. On-road mobile sources would be the most likely candidate. If a source category is found, develop of a broader county- or state-wide RMP by 12/31/06.

Bold activities are ones for which additional funding will be needed before undertaking

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Year 2006

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

- 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 workgroups for determining conformity of Long Range Transportation Plans and/or Transportation Improvement Programs (TIPs). Report status to EPA R3 on 3/15/06 & 9/30/06.
 - 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 on 3/15/06 & 9/30/06.
- Reassess current contribution to smart growth oversight to encourage consideration of impact of mobile source emissions by 12/31/06.
- Continue participation in OTC Clean Corridors project.
- 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.
 - Initial wave of residual risk standards expected to be proposed late 2005 or 2006.
 - Dry cleaning facilities.
 - Hazardous Organics NESHAP.
 - Solvent degreasers.
 - Chrome plating facilities.
 - Petroleum refining facilities, if proposed.
 - Marine vessel loading facilities, if proposed.
 - Aerospace coating facilities, if proposed.
 - First wave of urban area source standards expected to be proposed in 2006.
 - Stationary Internal Combustion Engines in 4Q2006.
 - Hospital sterilizers in 4Q2006.
 - Gasoline distribution – Stage 1 (includes gasoline service stations) in 4Q2006.
 - As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
 - Ongoing development for the Federal “Utility MACT” regulations.
 - Generic Residual Risk Rule.
- Continue to evaluate and, as appropriate, act upon federal rulemakings.
 - Review and comment, if appropriate, on federally proposed mobile source air toxics rules.
 - Small (<50 HP) gasoline engines.
 - MSAT2
 - Locomotive/marine.
- If DATAS identifies mobile source-driven “hot spots”, pursue analysis or resolution activities with DelDOT, as appropriate.
- Judge ability to take a leadership role in the financial grant process.
 - Facilitate the identification, preparation and submission for transportation-related grants.
 - Investigate opportunities for other educational grants to create/disseminate information about risk and air toxics, ongoing.
 - Catalog types and sources of grants recently and currently available once per quarter.
 - Determine typical deadline and work timeframes by for any pursued grants as needed.
 - Implement educational grant opportunity, if found.
 - Working with other programs, identify and pursue funding opportunities for implementing community-based projects.
 - Working with other branches, identify and pursue funding opportunities for implementing community-based projects.
 - Working with other branches, identify and pursue funding opportunities for implementing community-based projects.
- Evaluate the need for the development of additional source category permits to address air toxics issues, ongoing.

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Year 2006

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 commuter choices. Report status to EPA R3 on 3/15/06 & 9/30/06.
<ul style="list-style-type: none"> • Actively promote electrification projects. <ul style="list-style-type: none"> • Truck Stops. • Warehouses. • Ports.
<ul style="list-style-type: none"> • Insure continued or improved compliance of stationary sources. <ul style="list-style-type: none"> • Implement or continue implementation of strategic activities identified during 2005. <ul style="list-style-type: none"> • Conducting timely compliance inspections. <ul style="list-style-type: none"> • Perform full compliance evaluations at all major and synthetic minor air toxics sources in accordance with the compliance monitoring plan submitted 9/2/2005. • Inspect 25% of the dry cleaning facilities by 9/29/06. • Perform full compliance evaluations at all non-dry cleaning area air toxics sources in accordance with the compliance monitoring plan submitted 9/2/2005. • Implement or continue implementation of strategic activities identified during 2005. <ul style="list-style-type: none"> • Create and issue dry cleaner source category permits to all dry cleaning area sources by 7/1/06. • Continue working with AQM to educate Drycleaners about new source category permit requirements during 1Q06 and 2Q06. • Incorporating updated MACT requirements in air permits. <ul style="list-style-type: none"> • Renew expiring Title V Permits to incorporate newly promulgated MACTs as needed. • Reopen Title V Permits for cause to incorporate promulgated MACTs consistent with the requirements of Regulation No. 30 as needed.
<ul style="list-style-type: none"> • Implement communications and outreach aspect of DATAS Phase I. <ul style="list-style-type: none"> • Present briefing to State legislature by 3/06. • Hold Local Community Workshops/Public Informational Forums by 6/06. • Participate in DATAS community outreach workshops with Pollution Prevention Display.
<ul style="list-style-type: none"> • Implement other air toxics-related communications and outreach programs. <ul style="list-style-type: none"> • Develop and conduct anti-idling outreach for schools and trucking industry. Report status to EPA R3 on 3/15, 6/30, 9/30 and 12/31. • Identify and implement joint wood burning educational opportunities. • Continue to work with other State agencies including DPH on air toxics communications and outreaches.
<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"> • Adopting new air toxics rules. <ul style="list-style-type: none"> • Adopt utilities multi-pollutant regulation. • Amending existing air toxics rules. <ul style="list-style-type: none"> • Amend, if appropriate, Delaware Regulation 1145 based on anti-idling model rule for on-road diesel engines by 12/31/06. • Amend Regulation 24 by adopting new Section 46 to reduce the emissions of VOCs and HAPs from lightering operations by 7/06. • Amend Regulation 25 by amending new source review requirements by 1st quarter of 2006. • Submit Start Action Notice to amend Regulation 38 Subpart M (Dry Cleaners) by 10/1/06. • Submit Start Action Notice to amend Regulation 38 Subpart N (Chrome Plating) by 10/1/06. • Submit Start Action Notice to amend Regulation 38 Subpart T (Solvent Degreasers) by 10/1/06. • Submit Start Action Notice to amend Regulation 38 Subpart RRR (Aluminum Sweat Furnaces) by 10/1/06. • Provide support to Small Businesses on air toxics related issues.

Bold activities are ones for which additional funding will be needed before undertaking

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Year 2006

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Continue to participate on regional and national rulemaking committees, as appropriate. <ul style="list-style-type: none"> • Model PVC MACT with STAPPA/ALAPCO. • Generic urban area source rulemaking approach.
<ul style="list-style-type: none"> • Submit draft 111(d) Plan for Clean Air Mercury Rule to EPA Region 3 by 3/10/06.
<ul style="list-style-type: none"> • Submit final 111(d) Plan for Clean Air Mercury Rule to EPA Region 3 by 11/17/06.
<ul style="list-style-type: none"> • Identify and implement one (1) joint educational opportunities with other DNREC agencies and/or other State or local agencies to increase the public awareness of actions that will reduce their risk from exposure to air toxics. Potential new areas include: <ul style="list-style-type: none"> • Pollution prevention (P2) around the home. • Radon and other household air toxics. • Don't Top Off. (Chesser/Snead)
<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with industry and other agencies as a possible option to regulatory requirements that will reduce the risk from exposure to air toxics. Potential new areas include: <ul style="list-style-type: none"> • Mercury switch P2 program.
<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with the industry and other agencies. Potential new areas include: <ul style="list-style-type: none"> • Energy auditing: reduced utility usage = reduced air emissions.
<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with industry and other agencies as a possible option to regulatory requirements that will reduce risk from exposure to air toxics.
<ul style="list-style-type: none"> • Facilitate the implementation of diesel retrofits with NCC school districts.
<ul style="list-style-type: none"> • Finalize mobile source emissions budget by 12/31/06.
<ul style="list-style-type: none"> • Acquire and evaluate opportunities to use diesel exhaust opacity instrumentation. <ul style="list-style-type: none"> • Order DEO instruments by 6/30/06. • Identify and implement uses of the DEO instruments by 12/31/06.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency and conservation education. • Building energy codes. • Building energy efficiency. • Energy Star program. • Technical assistance and outreach for residential, commercial, industrial and agricultural customers.
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy 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 identify and implement state facilities energy programs. State facilities energy programs include: <ul style="list-style-type: none"> • Track State energy consumption and costs. • Performance contracting.
<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.

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Year 2006

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 to EPA R3 on 3/15 and 9/30.
- Work in cooperation with other AQM Branches to implement a program to track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.
- Working with other branches and EPA R3, identify appropriate “air toxics indicators” to gauge progress in reducing harm from exposure to air toxics.
- Develop the 2005 NEI for HAPs. Expected completion 6/1/07.

Year 2006

Air toxics resource development

- Evaluate available training and encourage broader participation in risk-related training.
 - Continue to encourage participation in risk-related training such as MARAMA’s risk assessment workshops, when available.
 - Encourage broadened participation of air toxics risk training.
 - Encourage broadened participation on energy efficiency, conservation and education training.
 - Participate in national and EPA air dispersion modeling programs or training specific to air toxics characterization.
 - Coordinate DE participation in EPA R3/MARAMA 2006 Air Toxics Summit, if held.
 - **Evaluate the need for air toxics-related training for staff and present, as needed.**
 - Determine if recently promulgated MACTs should be presented to staff, ongoing.
- Continue to identify resources and funding needed to implement DATAS and other air toxics communications and outreach programs.
- Continue to assist in identifying resources and funding needed to implement DATAS and other air toxics communications and outreaches.
- Develop and implement mechanism(s) to improve air toxics communications between branches.
- Identify, develop and implement a “painless” means to keeping Air Quality Management apprised on the ongoing status of the Air Toxics Strategic Plan by 2Q06.
- Promote open communications between programs on air toxics issues.
- Promote open communications between DNREC and small businesses on air toxics issues.
- Promote open communications between branches, divisions and departments on energy efficiency, conservation and education.
- Assess potential synergy between the Delaware Energy Office’s and AQM’s mobile source programs and recommend path forward, if synergy is found, by 4/28/06.

Bold activities are ones for which additional funding will be needed before undertaking

2007

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Year 2007

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 report on implementation of the 2007 individual Strategic Plans.
<ul style="list-style-type: none"> • Report on implementation of the 2007 ATSP to EPA R3.
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2008-2012
<ul style="list-style-type: none"> • Investigate additional areas to incorporate into the ATSP process.
<ul style="list-style-type: none"> • Incorporate risk results from the DATAS Phase I and II into the preparation and development of the air toxics strategic planning process.
<ul style="list-style-type: none"> • Incorporate, if identified, the “air toxics indicators” into the preparation and development of the air toxics strategic planning process.
<ul style="list-style-type: none"> • Update individual Strategic Plans for 2008-2012.
<ul style="list-style-type: none"> • Update and finalize 2008 Air Toxics Strategic Plan for years 2008 to 2012.
<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 implement 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"> • Update and submit to EPA Region 3 the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules by 2/28/07.
<ul style="list-style-type: none"> • Update and submit to EPA Region 3 the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules by 8/31/07.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.
<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.
<ul style="list-style-type: none"> • Complete establishment of the mobile source program.

Year 2007

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 to EPA R3 on 3/15 and 9/30.
<ul style="list-style-type: none"> • Continue to support UD’s special project to provide near real time organic aerosol speciation at MLK.
<ul style="list-style-type: none"> • Continue to identify funding requirements and sources, as well as, staffing needed in order to . . .
<ul style="list-style-type: none"> • Fully implementation our enhanced time-resolution capabilities for VOC measurements.
<ul style="list-style-type: none"> • Undertake new or special monitoring needs that may surface.
<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 on control strategies.

Bold activities are ones for which additional funding will be needed before undertaking

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Year 2007

Identify potential harm from exposure to air toxics

- Characterize the cancer and non-cancer risks through future air toxics assessment programs.
- Coordinate ongoing risk assessment support and guidance of DPH for air toxics control strategy implementation and risk management planning activities.
- Participate in DATAS community outreach workshops with Pollution Prevention Display.
- **Identify resources and funding needed to implement modeling aspect of DATAS-2005.**
- Develop modeling protocol for the implementation DATAS-2005.
- Begin developing communications protocol for the implementation DATAS-2009.
- Identify resources and funding needed to implement emissions inventory aspect of DATAS-2009.
- Identify resources and funding needed to implement risk assessment aspect of DATAS-2009.
- Identify and assess alternatives to DPH-provided risk assessments, if appropriate.
- Finalize communications and outreach aspect of the DATAS Phase II program and complete final DATAS report.
- **Acquire needed software and hardware for modeling DATAS-2005.**
- Coordinate review and analysis of 2002 NATA results and facilitate the preparation of DE response, when released by EPA.

Year 2007

Gather information related to air toxics sources

- Investigate emission inventory inputs and/or assumptions for air toxics of concern as indicated by prior modeling and/or risk assessment studies.
- **Submit 2005 NEI for HAPs, if required, by 6/1/07.**
- Analyze monitoring data from completed special monitoring projects, i.e. AQM/UD, and refine air toxics model, if appropriate.
- **Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.**

Year 2007

Identify options for reducing air toxics in the environment

- **With inputs from the Cancer Consortium, continue to implement of a Wilmington community-based Risk Management Plan (RMP) for communities in the vicinity of the Martin Luther King Blvd. monitoring site.**
 - The goals during 2007 include addressing the following:
 - Identify additional information needs.
 - Identify and evaluate risk reducing options, if needed.
 - Identify appropriate options to implement.
- **With inputs from the Cancer Consortium, continue to implement of a community-based Risk Management Plan (RMP) for communities in the vicinity of the Delaware City monitoring site.**
 - The goals during 2007 include addressing the following:
 - Review of DATAS results.
 - Defining and analyzing DATAS Phase I risks.
 - Identification of chemicals of concern and their health impacts.
 - Identifying significant sources.
 - Identify additional information needs.
 - Identify and evaluate risk-reducing options, if needed.

Bold activities are ones for which additional funding will be needed before undertaking

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Year 2007

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

- **With inputs from the Cancer Consortium, continue to implement of a county- or state-wide Risk Management Plan (RMP) addressing the identified source category contributing to adverse health impacts. Focus will most likely be mobile sources.**
 - Identify and engage a risk management consultant to prepare a completed design for the broad-based RMP implementation.
 - Identify and engage a risk management facilitator to conduct the community meetings.
 - Identify and secure stakeholders interested in participating in the broad-based RMP process.
 - Working with the stakeholders, identify acceptable meeting dates, times and locations RMP schedule for the broad-based RMP implementation.
 - Implement initial steps of the RMP program consistent with the developed schedule. The goals during 2007 include addressing the following:
 - Review of DATAS results.
 - Defining and analyzing DATAS Phase I risks.
 - Identification of chemicals of concern and their health impacts.
- **As the DATAS Phase II results identify communities facing risks greater than those addressed in DATAS Phase I, prioritize and identify a non-monitored community to implement a community-based RMP.**
 - As the DATAS Phase II results identify communities facing risks greater than those addressed in DATAS Phase I, prioritize and identify a non-monitored community to implement a community-based RMP.
 - Working with the stakeholders, identify acceptable meeting dates, times and locations RMP schedule for the community-based RMP implementation.
 - Implement initial steps of the RMP program consistent with the developed schedule. The goals during 2007 include addressing the following:
 - Review of DATAS results.
 - Defining and analyzing DATAS Phase I risks.
 - Identification of chemicals of concern and their health impacts.
- 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 workgroups for determining conformity of Long Range Transportation Plans and/or Transportation Improvement Programs (TIPs).
 - Provide comments and/or recommendations to the MPOs and DelDOT on the priority of funding projects with CMAQ funds.
- Develop plan to promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- Continue to evaluate and, as appropriate, act upon federal mobile source rulemakings.
- If DATAS identifies mobile source-driven “hot spots”, pursue analysis or resolution activities with DelDOT, as appropriate.
- 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 Federal residual risk standards.
 - Newly proposed Federal urban area source standards.
 - Generic urban area source rulemaking approach.
 - As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
 - Generic Residual Risk Rule.
- Evaluate alternatives approaches for adopting federal major source MACT standards and for seeking delegation of authority.
- Evaluate options for adopting the residual risk standards and determine their implications in seeking delegation of authority.
- Identify and evaluate options for adopting the urban area source standards.
- Evaluate the need for the development of additional source category permits to address air toxics issues.

Bold activities are ones for which additional funding will be needed before undertaking

Continued on next page

2006 Air Toxics Strategic Plan – Final

Year 2007

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

- Identify grant and funding opportunities.
- Facilitate the identification, preparation and submission for transportation-related grants.
- **Continue to identify resources and funding needed to implement air toxics communications and outreach programs, including needs for DATAS-2009.**
- Continue to assist in identifying resources and funding needed to implement DATAS and other air toxics communications and outreaches.
- Working with other branches, identify and pursue funding opportunities for implementing community-based projects.

Year 2007

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 commuter choices. Report status to EPA R3, as appropriate.
 - Actively promote electrification projects.
 - Truck Stops.
 - Warehouses.
 - Ports.
- Insure continued or improved compliance of stationary sources.
 - Continue to reevaluate and implement path forward based on needs and results determined in 2005 and 2006.
 - Continue to perform full compliance evaluations of air toxics sources in accordance with the compliance monitoring plan submitted 9/2/2005.
 - Continue to inspect 25% of the dry cleaning facilities by 9/29/06.
 - Incorporating updated MACT requirements in air permits.
 - Renew expiring Title V Permits to incorporate newly promulgated MACTs as needed.
 - Reopen Title V Permits for cause to incorporate promulgated MACTs consistent with the requirements of Regulation No. 30 as needed.
- Prepare delegation packages and request delegation of authority for changes adopted for area source standards in Regulation 38.
- Implement other air toxics-related communications and outreach programs.
 - Continue to develop and conduct anti-idling outreach for schools and trucking industry. Report status to EPA R3, as appropriate.
 - Continue to work with other State agencies including DPH on air toxics communications and outreaches.
- As regulations are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
- Continue to promote open communications between DNREC and small businesses on air toxics issues.
- Coordinate with AQM to facilitate improvements to the permitting program and requirements for used oil burners.
- 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.
- 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.
- Adopt new and amend existing air toxics regulations for mobile and stationary sources.
 - Adopting new air toxics rules, as identified.
 - Amending existing air toxics rules.
 - Adopt, if appropriate a regulation based on the results of the OTC Clean Corridor project.
 - Complete Regulations 38 amendments started in late 2006.
 - Amend Regulation 38 by revising Subpart A (General Provisions) considering recent federal changes.
 - Amend Regulation 38 by adopting applicable area source residual risk standards promulgated in 2006.
 - Amend Regulation 38 by adopting applicable urban area source standards promulgated by EPA in 2006.

Bold activities are ones for which additional funding will be needed before undertaking

Continued on next page

2006 Air Toxics Strategic Plan – Final

Year 2007

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Identify and implement new applications/opportunities to utilize the diesel exhaust opacity instruments.
<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with the industry and other agencies. Potential new areas include: <ul style="list-style-type: none"> • Energy auditing: reduced utility usage = reduced air emissions.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs. Energy efficiency programs include: <ul style="list-style-type: none"> • Energy efficiency and conservation education. • Building energy codes. • Building energy efficiency. • Energy Star program. • Technical assistance and outreach for residential, commercial, industrial and agricultural customers.
<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 identify and implement renewable and advanced technologies. Renewable and advanced technologies include: <ul style="list-style-type: none"> • Green Energy Program. • Renewable portfolio goals.
<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"> • Track State energy consumption and costs. • Performance contracting.
<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.

Year 2007

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics
<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 to EPA R3 on 3/15 and 9/30.
<ul style="list-style-type: none"> • Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.
<ul style="list-style-type: none"> • Begin tracking the “air toxics indicators”.
<ul style="list-style-type: none"> • Submit 2005 NEI for HAPs, if required, by 6/1/07.

Year 2007

Air toxics resource development
<ul style="list-style-type: none"> • Evaluate available training and encourage broader participation in risk-related training. <ul style="list-style-type: none"> • Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate. • Encourage broadened participation on energy efficiency, conservation and education training. • Evaluate the need for air toxics-related training for staff and present, as needed.
<ul style="list-style-type: none"> • Acquire needed software and hardware for modeling DATAS-2005.
<ul style="list-style-type: none"> • Develop and implement mechanism(s) to improve air toxics communications between branches.
<ul style="list-style-type: none"> • Promote open communications between branches, divisions and departments on energy efficiency, conservation and education.

Bold activities are ones for which additional funding will be needed before undertaking

2008

2006 Air Toxics Strategic Plan – Final

Year 2008

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 report on implementation of the 2008 individual Strategic Plans.
<ul style="list-style-type: none"> • Report on implementation of the 2008 ATSP to EPA R3.
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2009-2013 <ul style="list-style-type: none"> • Incorporate risk results from the DATAS Phase I and II and developments from RMP activities into the preparation and development of the air toxics strategic planning process. • Update individual Strategic Plans for 2009-2013. • Update and finalize 2009 Air Toxics Strategic Plan for years 2009-2013.
<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 implement 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"> • Update and submit to EPA Region 3, if necessary, the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance's assignments and organization structure to better address risk-based air toxics programs, as needed.
<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 2008

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"> • Continue to support UD's special project to provide near real time organic aerosol speciation at MLK.
<ul style="list-style-type: none"> • Continue to identify funding requirements and sources needed in order to . . .
<ul style="list-style-type: none"> • Fully implementation our enhanced time-resolution capabilities for VOC measurements.
<ul style="list-style-type: none"> • Undertake new or special monitoring needs that may surface.
<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 on control strategies.
<ul style="list-style-type: none"> • Convert emission inventory data into model ready format.
<ul style="list-style-type: none"> • Convert meteorological data into model ready format.

Year 2008

Identify potential harm from exposure to air toxics
<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 control strategy implementation and risk management planning activities. • Participate in the development and implementation of DATAS-2009. • Develop emissions inventory protocol for the implementation DATAS-2009. • Develop risk assessment aspect for the implementation of DATAS-2009. • Implement alternatives risk assessments, if appropriate.

Bold activities are ones for which additional funding will be needed before undertaking

2006 Air Toxics Strategic Plan – Final

Year 2008

Gather information related to air toxics sources

- Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.

Year 2008

Identify options for reducing air toxics in the environment

- **Continue the implementation of the Wilmington and Delaware City RMP programs.**
- **Continue the implementation of the county- or state-wide RMP programs.**
- **Continue the implementation of the DATAS Phase II community-based RMP programs.**
- Continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
- Promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- Continue to evaluate and, as appropriate, act upon federal mobile source rulemakings.
- 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 Federal residual risk and urban area source standards.
 - As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
- Implement procedure for adopting the residual risk standards.
- Implement program for adopting the urban area source standards and determine their implications in seeking delegation of authority.
- Evaluate the need for the development of additional source category permits to address air toxics issues.
- Identify grant and funding opportunities.

Year 2008

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 commuter choices. Report status to EPA R3, as appropriate.
 - Facilitate at least one electrification project and continue to actively promote other Electrification Projects.
- Insure continued or improved compliance of stationary sources.
 - Continue to reevaluate and implement path forward based on needs and results determined in 2006 and 2007.
 - Continue to perform full compliance evaluations of air toxics sources in accordance with the applicable compliance monitoring plan.
 - Continue to inspect 25% of the dry cleaning facilities by 9/29/06.
 - Incorporating updated MACT requirements in air permits.
- Implement other air toxics-related communications and outreach programs.
 - Continue to develop and conduct anti-idling outreach for schools and trucking industry. Report status to EPA R3, as appropriate.
 - Continue to work with other State agencies including DPH on air toxics communications and outreaches.
- Prepare delegation packages and request delegation of authority for changes adopted for area source standards in Regulation 38.
- As regulations are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
- Continue to promote open communications between DNREC and small businesses on air toxics issues.
- Continue to identify and implement joint wood burning educational opportunities.

Bold activities are ones for which additional funding will be needed before undertaking

Continued on next page

2006 Air Toxics Strategic Plan – Final

Year 2008

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 the public awareness of actions that the public can take to reduce their risk exposure to air toxics, including appropriate P2 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"> • Adopt new and amend existing air toxics regulations for mobile and stationary sources. <ul style="list-style-type: none"> • Initiate assessment and prioritize regulatory needs in support of the air toxics Risk Management Plan (RMP) programs. • Adopting new air toxics rules, as identified.
<ul style="list-style-type: none"> • Amending existing air toxics rules for applicable generic urban area source standards and for applicable area source residual risk urban area source standards promulgated by EPA in 2007. • Provide support to Small Businesses on air toxics related issues.
<ul style="list-style-type: none"> • Identify and pursue potential joint opportunities with the industry and other agencies.
<ul style="list-style-type: none"> • Continue to identify and implement energy efficiency programs.
<ul style="list-style-type: none"> • Continue to identify and implement transportation-related energy programs.
<ul style="list-style-type: none"> • Continue to identify and implement renewable and advanced energy technologies.
<ul style="list-style-type: none"> • Continue to identify and implement state facilities energy-related programs.
<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.

Year 2008

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics
<ul style="list-style-type: none"> • Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.
<ul style="list-style-type: none"> • Continue tracking the “air toxics indicators”.

Year 2008

Air toxics resource development
<ul style="list-style-type: none"> • Evaluate available training and encourage broader participation in risk-related training. <ul style="list-style-type: none"> • Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate. • Encourage broadened participation on energy efficiency, conservation and education training. • Evaluate the need for air toxics-related training for staff and present, as needed.
<ul style="list-style-type: none"> • Develop and implement mechanism(s) to improve air toxics communications between branches.
<ul style="list-style-type: none"> • Promote open communications between branches, divisions and departments on energy efficiency, conservation and education.

Bold activities are ones for which additional funding will be needed before undertaking

2009

2006 Air Toxics Strategic Plan – Final

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 report on implementation of the 2009 individual Strategic Plans.
<ul style="list-style-type: none"> • Report on implementation of the 2009 ATSP to EPA R3.
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2010-2014
<ul style="list-style-type: none"> • Incorporate risk results from the DATAS Phase I and II and from developments from RMP activities into the preparation and development of the air toxics strategic planning process.
<ul style="list-style-type: none"> • Update individual Strategic Plan for 2010-2014.
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2010-2014.
<ul style="list-style-type: none"> • Update individual Strategic Plans for 2010-2014.
<ul style="list-style-type: none"> • Update and finalize 2010 Air Toxics Strategic Plan for years 2010-2014.
<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 implement 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"> • Update and submit to EPA Region 3, if necessary, the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.
<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 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"> • Continue to identify funding requirements and sources needed in order to . . .
<ul style="list-style-type: none"> • Fully implementation our enhanced time-resolution capabilities for VOC measurements.
<ul style="list-style-type: none"> • Undertake new or special monitoring needs that may surface.
<ul style="list-style-type: none"> • Provide air toxics modeled results (HAP concentrations) based on DATAS-2005 emissions inventory, to support . . .
<ul style="list-style-type: none"> • Assessment of air toxics health impacts in communities.
<ul style="list-style-type: none"> • Development of toxics standards based on cumulative risk.
<ul style="list-style-type: none"> • Development of control strategies to meet the new air toxics standards.
<ul style="list-style-type: none"> • Assist the air permitting decision-making process by considering cumulative impacts.
<ul style="list-style-type: none"> • Improve the emissions inventory.
<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 on control strategies.

Bold activities are ones for which additional funding will be needed before undertaking

2006 Air Toxics Strategic Plan – Final

Year 2009

Identify potential harm from exposure to air toxics

- Characterize the cancer and non-cancer risks through future air toxics assessment programs.
- Coordinate ongoing risk assessment support and guidance of DPH for air toxics control strategy implementation and risk management planning activities.
- Participate in the implementation of DATAS-2009.
- Initiate preparations of the DATAS-2009.
- Finalize risk assessment aspect for the implementation of DATAS-2009.

Year 2009

Gather information related to air toxics sources

- Initiate preparations of the 2008 NEI for HAPs.
- Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.

Year 2009

Identify options for reducing air toxics in the environment

- **Continue the implementation of the Wilmington and Delaware City RMP programs.**
- **Continue the implementation of the county- or state-wide RMP programs.**
- **Continue the implementation of the DATAS Phase II community-based RMP programs.**
- Continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
- Promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- Continue to evaluate and, as appropriate, act upon federal mobile source rulemakings.
- 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 Federal residual risk and urban area source standards.
 - As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
- Evaluate the need for the development of additional source category permits to address air toxics issues.
- Identify grant and funding opportunities.

Year 2009

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 commuter choices. Report status to EPA R3, as appropriate.
- Insure continued or improved compliance of stationary sources.
 - Continue to reevaluate and implement path forward based on needs and results determined in 2007 and 2008.
 - Continue to perform full compliance evaluations of air toxics sources in accordance with the applicable compliance monitoring plan.
 - Continue to inspect 25% of the dry cleaning facilities by 9/29/06.
 - Incorporating updated MACT requirements in air permits.
- Implement other air toxics-related communications and outreach programs.
 - Continue to develop and conduct anti-idling outreach for schools and trucking industry. Report status to EPA R3, as appropriate.
 - Continue to work with other State agencies including DPH on air toxics communications and outreaches.

Bold activities are ones for which additional funding will be needed before undertaking

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Final 2/2/06

2006 Air Toxics Strategic Plan – Final

Year 2009

Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<ul style="list-style-type: none"> • Prepare delegation packages and request delegation of authority for changes adopted for area source standards in Regulation 38. • As regulations are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses. • Continue to promote open communications between DNREC and small businesses on air toxics issues. • 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. • 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. • Adopt new and amend existing air toxics regulations for mobile and stationary sources. <ul style="list-style-type: none"> • Adopting new air toxics rules, as identified. • Amending existing air toxics rules for applicable generic urban area source standards and for applicable area source residual risk urban area source standards promulgated by EPA in 2008. • Provide support to Small Businesses on air toxics related issues. • Identify and pursue potential joint opportunities with the industry and other agencies. • Continue to identify and implement energy efficiency programs. • Continue to identify and implement transportation-related energy programs. • Continue to identify and implement renewable and advanced energy technologies. • Continue to identify and implement state facilities energy-related programs.
Implement appropriate actions to reduce the harm from exposure to air toxics – cont.
<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.

Year 2009

Evaluate the effectiveness of the actions taken to reduce harm from exposure to air toxics
<ul style="list-style-type: none"> • Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics. • Initiate preparations of the 2008 NEI for HAPs. • Continue tracking the “air toxics indicators”.

Year 2009

Air toxics resource development
<ul style="list-style-type: none"> • Evaluate available training and encourage broader participation in risk-related training. <ul style="list-style-type: none"> • Continue to identify air toxics related training, workshops and forums; encourage participation, when appropriate. • Encourage broadened participation on energy efficiency, conservation and education training. • Evaluate the need for air toxics-related training for staff and present, as needed. • Continue to implement mechanism(s) to improve air toxics communications between branches. • Promote open communications between branches, divisions and departments on energy efficiency, conservation and education.

Bold activities are ones for which additional funding will be needed before undertaking

2010

2006 Air Toxics Strategic Plan – Final

Year 2010

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 report on implementation of the 2010 individual Strategic Plans.
<ul style="list-style-type: none"> • Report on implementation of the 2010 ATSP to EPA R3.
<ul style="list-style-type: none"> • Coordinate the updating of the ATSP for 2011-2015 <ul style="list-style-type: none"> • Incorporate risk results from the DATAS Phase I and II into the preparation and development of the air toxics strategic planning process. • Incorporate developments from RMP activities into the preparation and development of the air toxics strategic planning process. • Update individual Strategic Plans for 2011-2015. • Update and finalize 2010 Air Toxics Strategic Plan for years 2011-2015.
<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 implement 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"> • Update and submit to EPA Region 3, if necessary, the area source plan for adoption, delegation, and/or implementation for existing and newly promulgated area source MACT rules.
<ul style="list-style-type: none"> • Continue to evaluate and realign Engineering and Compliance’s assignments and organization structure to better address risk-based air toxics programs, as needed.
<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 2010

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"> • Continue to identify funding requirements and sources needed in order to . . . <ul style="list-style-type: none"> • Fully implementation our enhanced time-resolution capabilities for VOC measurements. • Undertake new or special monitoring needs that may surface.
<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 on control strategies.

Year 2010

Identify potential harm from exposure to air toxics
<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 control strategy implementation and risk management planning activities.
<ul style="list-style-type: none"> • Develop modeling protocol for the implementation DATAS-2009.
<ul style="list-style-type: none"> • Participate in the finalization and reporting on DATAS-2009.

Bold activities are ones for which additional funding will be needed before undertaking

2006 Air Toxics Strategic Plan – Final

Year 2010

Gather information related to air toxics sources

- Submit 2008 NEI for HAPs, if required, by 6/1/10.
- Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.

Year 2010

Identify options for reducing air toxics in the environment

- **Continue the implementation of the RMP programs, as appropriate.**
- Continue to include, where applicable, the mobile source air toxics issues in programs and activities, which previously addressed only criteria pollutants.
- Promote smart growth oversight that encourages consideration of impact of mobile source emissions.
- Continue to evaluate and, as appropriate, act upon federal mobile source rulemakings.
- 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 Federal residual risk and urban area source standards.
 - As each area source standard is being proposed, evaluate the impacts of pollution prevention implementation in that sector.
- Evaluate the need for the development of additional source category permits to address air toxics issues.
- Identify grant and funding opportunities.

Year 2010

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 commuter choices. Report status to EPA R3, as appropriate.
- Insure continued or improved compliance of stationary sources.
 - Continue to reevaluate and implement path forward based on needs and results determined in 2008 and 2009.
 - Continue to perform full compliance evaluations of air toxics sources in accordance with the applicable compliance monitoring plan.
 - Continue to inspect 25% of the dry cleaning facilities by 9/29/06.
 - Incorporating updated MACT requirements in air permits.
- Prepare delegation packages and request delegation of authority for changes adopted for area source standards in Regulation 38.
- As regulations are promulgated, evaluate the role of the ombudsman to facilitate interactions between AQM and small businesses.
- Continue to promote open communications between DNREC and small businesses on air toxics issues.
- 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.
- Adopt new and amend existing air toxics regulations for mobile and stationary sources.
 - Adopting new air toxics rules, as identified.
 - Amending existing air toxics rules for applicable generic urban area source standards and for applicable area source residual risk urban area source standards promulgated by EPA in 2008.
 - Initiate adoption of air toxics regulations to reduce unacceptable risks identified in the various RMP programs.
 - Provide support to Small Businesses on air toxics related issues.
- Identify and pursue potential joint opportunities with the industry and other agencies.

Bold activities are ones for which additional funding will be needed before undertaking

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Year 2010

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

- Continue to identify and implement energy efficiency programs.
- Continue to identify and implement transportation-related energy programs.
- Continue to identify and implement renewable and advanced energy technologies.
- Continue to identify and implement state facilities energy-related programs.
- 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

- Working in cooperation with other AQM Branches; track the emissions of air toxics of concern from significant sources contributing to elevated risks from exposure to air toxics.
- Submit 2008 NEI for HAPs, if required, by 6/1/10.
- Continue tracking the “air toxics indicators”.

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.
 - Encourage broadened participation on energy efficiency, conservation and education training.
 - **Evaluate the need for air toxics-related training for staff and present, as needed.**
- Continue to implement mechanism(s) to improve air toxics communications between branches.
- Promote open communications between branches, divisions and departments on energy efficiency, conservation and education.

Bold activities are ones for which additional funding will be needed before undertaking