

Final Report
of the
EPA Emission Inventory Workshop

July 15-17, 1997

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Disclaimer

This report has been reviewed by the Emission Factor and Inventory Group of the Office of Air Quality Planning and Standards, U. S. Environmental Protection Agency, and approved for publication. Mention of trade names or commercial products is not intended to constitute endorsement or recommendation for use.

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Section 1

Introduction

The EPA Emission Inventory Workshop was held on July 15 through 17, 1997, in Durham, North Carolina. The workshop was held to present to the inventory community the latest information on the new National Ambient Air Quality Standards (NAAQS), upcoming inventory preparation and newly available inventories such as the National Toxics Inventory (NTI) and the National Emission Trends (NET) inventory. Another workshop goal was to get feedback from state and local agency attendees on the topics presented. The workshop started with technical presentations from EPA's Emission Factor and Inventory Group (EFIG) on the first day (July 15), then discussion sessions on four main topics on the second day (July 16), and summaries of the discussions on the morning of the final day (July 17).

A copy of these workshop notes are being sent to each of the participants, and will also be posted on the emission inventory World Wide Web site.¹ As part of the workshop package, each participant also received copies of the slides for the first day's technical presentations. Other interested readers may receive copies of these slides by contacting EFIG.

¹ The EPA/EFIG Web site address is: <http://www.epa.gov/oar/oaqps/efig/ei/>.

Section 2

Emission Inventory Workshop Presentations

On the first day of this workshop, six technical presentations were made on some of the latest work being done by the Emission Factors and Inventory Group. A brief summary of each presentation follows.

Implications of New Proposed Standards

Tom Pace of EFIG discussed how the new proposed standards would affect states' inventories. Changes in the ozone standard may result in new nonattainment areas and more of a regional emphasis in inventory efforts. Including particulate matter less than or equal to 2.5 micrometers (PM-2.5) in inventory efforts will require different approaches from those used for particulate matter less than or equal to 10 micrometers (PM-10). Unlike measurements of PM-10, soil is not a large fraction of the monitored measurements of PM-2.5. Instead, direct emissions of organics, elemental carbon, and secondary formation of PM-2.5 from sulfates and nitrates make up the largest portions of PM-2.5. The main focus of future inventories will be combustion sources of organic compounds and elemental carbon such as boilers, residential heating, and on- and off-road diesel vehicles. Additional work will need to be done to develop emission factors and emission estimation methods for sources of PM-2.5 precursors, such as area sources of ammonia (emissions from livestock), all sources of sulfur dioxide (SO₂), and industrial condensable emissions. Area and mobile sources will be given higher importance than in inventories for other pollutants. It was emphasized that inventories alone can be misleading and ambient monitoring will play an important role. Defining PM-2.5 emissions will require an understanding of regional transport and transformation issues.

1996 Periodic Emission Inventory

Bill Kuykendal presented the highlights of the *Reporting Guidance for 1996 Periodic Emission Inventories and National Emission Trends (NET) Inventories*, published by EPA in June (1997a). This document provides guidance for reporting of the Periodic Emission Inventory (PEI) in the form of data files, summary tables, and written descriptions of methods. The five methods available for submitting electronic reports of inventory data were reviewed. Concurrent with the preparation and submittal of the PEI, states are also being asked to review and improve the NET inventory. The improved NET data will be used by the EPA for regional modeling and other uses. The primary source of improved data from the states is expected to be the state's PEI, which can be submitted to overwrite the NET data. Additional sources of data would be emissions data from other inventories and auxiliary data that can be used in emissions calculations for pollutants covered in the NET inventory, but not inventoried by the states. States are encouraged to use NET data as a starting point for emission inventories for HAPs, ammonia, and PM-2.5. The EPA Regional Offices will play an important role in the 1996 inventory process. The Regional Offices will negotiate with the states to determine the content and form of the final inventory submittal. States are encouraged to contact their Regional Offices early in the process.

Introduction to the Consolidated Emission Inventory Reporting Rule

Steve Bromberg presented an overview of the draft Consolidated Emission Inventory Reporting Rule. The EPA feels that the rule is beneficial to state and local agencies because it combines the inventory references that are scattered throughout the Clean Air Act (CAA), clarifies the reporting dates, provides options for data collection and reporting, and eliminates unnecessary data reporting. He acknowledged that PM-2.5 was inadvertently overlooked in the reporting requirements and noted that would be remedied. Participants were asked for their comments on the draft rule, and were asked to consider these questions:

- Do you currently collect the data elements in the proposed rule?
- Do you now collect data on the pollutants in the rule?
- Will you have trouble meeting the frequency of data reporting?
- Will you have data confidentiality problems?
- Will a rule help or harm your program?
- Is a rule needed, or will guidance suffice?

Introduction to the Toxic Emission Inventory

Anne Pope discussed the EPA's National Toxics Inventory (NTI) that was compiled by EPA and distributed to state and local agencies along with the National Emissions Trends (NET) inventory. Information was presented at the meeting on hazardous air pollutant (HAP) coverage, inventory methods, and planned improvements. The planned improvements to the HAP portion of the NET inventory focus on identifying and obtaining state and local agency HAP inventory data; HAP inventory data submittal may be required in the future through the reporting rule. Participants were asked for their comments on HAP emission inventory issues, and were asked to consider these questions:

- How does your agency collect toxics data?
- How does your agency use toxics data?
- How is the inventory compiled? through industry reports, agency questionnaires, or other ways?
- What obstacles prevent toxics data collection?
- How do the different groups in your agency communicate toxics issues?

Emission Inventory Improvement Program/Electronic Data Interchange (EIIP/EDI) Data Exchange Plans

Lee Tooly presented the different data transfer options for electronic reporting of the 1996 PEI. One of these options, the EIIP/EDI option, is being used in an EIIP-funded prototype study. This study will assist two states in their translation of state inventory data into the EIIP/EDI standard format that can then be loaded into the EPA national database or shared with other states. Other states may participate in the next phase of the study. Each of the data transfer options are described below.

Aerometric Information Retrieval System, AIRS Facility Subsystem (AIRS AFS)

This option requires states to upload their 1996 point source data to AIRS AFS, either through batch uploads or entering data directly on-line. This option is the same as has been used for previous year inventories. This option may only be used for point sources, which would require the use of one of the other options for the area, mobile, and biogenic emission inventories. EPA will transfer AFS point source data into the NET database to augment the national emission inventory. The “direct user” function of AIRS AFS will continue to be supported for the near future (2-3) years.

EIIP/EDI

This option would require states to participate in the EIIP data transfer prototype demonstration project once the initial phase of the project has been completed and the viability of this option has been proven. The EIIP Home Page contains several documents related to the use of this option and the prototype demonstration project. Several workshop participants observed that of the five data transfer options, this option is the most likely to survive into the future since the EDI format is independent of the format of the sending or receiving databases.

EPA NET Input

This option would require states to convert their data into the NET database input format. This format has not yet been defined. It is expected to be available in fall 1997 and will be based on the EIIP data model. Although the NET database will be used to store data, EPA will provide for some level of accessibility. (Note: At this time, EPA does not have plans to transfer data in the NET to AFS. The implications of this are that a state would have to provide their statewide 1996 annual point source inventory to AFS in addition to any submittal of data to the NET database.)

NET Raw Data File Overwrite

This option involves editing of the raw NET data files for 1996 that have been provided to the states by EPA, and returning it to EPA to replace current data.

State Specified

This option is the submittal of data in a format other than one of the four listed above. This is the least preferred option because EPA will have to convert these data to NET format for inclusion in the NET database.

Emission Factor Program

Roy Huntley presented a review of the emission factor work currently underway by EFIG. The AP-42 is being updated with Supplement C changes that will update the nitrogen oxides (NO_x) factors for coal-, oil-, and natural gas-fired boilers. Updates for all available factors are being made for AP-42 sections on natural gas-fired internal combustion engines, gas turbines, and the natural gas combustion section. Updates have also been made to sixteen other AP-42 sections. The use of AP-42 emission factors for condensable particulate emissions and paved and

unpaved roads were also discussed. Factors for condensable particulates for most of the combustion sources should be available by the end of fiscal year 1998 (FY98). Paved and unpaved road equations in AP-42 should be used with local data for silt and moisture, but default values are provided in the sections as well.

Section 3

Workshop Discussion Groups

In the discussion groups, participants were given an opportunity to discuss issues surrounding the previous day's technical presentations. Session topics were:

- 1996 Emission Inventory and Implications of the New Standards
- Emission Factors
- Data Transfer Procedures
- The Toxics Emission Inventory and the Consolidated Reporting Rule

For each of the four topics, four 1½ hour sessions were held. At the end of each of the individual sessions, the main points of the discussion were summarized. The following session notes are based on these summaries.

Session: 1996 Emission Inventory and Implications of the New Standards

Major issues that were discussed, questions, and action items on these topics were:

- What will be the new base year for PM-2.5 and the new ozone standards? Many states want emission factors and emission estimation methods before starting on an inventory for PM-2.5.
- Similarly, EPA will need to identify PM-2.5 precursors before the states can begin the inventory process.
- Tools such as emission factors need to be available for PM-2.5 inventories. States are also interested in emission models for estimating PM-2.5 formation from precursors.
- The uses of the NET inventory data must be defined. These should explain how the EPA will use the data. Initial NET inventory uses listed were:

- Regional modeling and addressing regional transport issues. A regional approach is necessary because of the new NAAQS;
- Control strategies and policy decisions; and
- Tracking air pollution trends, in reports to the public and to Congress.

These items can be taken into account by the states as they plan inventories and address data management issues.

Other issues and questions raised about these topics were:

- The EPA should make available to the states the PM-2.5 particle size ratios that were used in the NET inventory. This is in the form of a PM calculator, and gives particle size ratios for uncontrolled and controlled emissions.
- It will be difficult for states to show their 15% reduction in emissions when they use updated methods for their 1996 inventory. One solution may be for the states to recalculate some of their 1990 emissions. The EPA is looking for the best estimate of actual emissions.
- Guidelines should be set up for the interactions between EPA Regional Offices and the states to maintain a level of consistency between states and regions, but also to allow flexibility.
- EPA's expectations for the state's update of the NET inventory should be clarified. The EPA is asking states to share their existing information. No new emissions information needs to be generated. In addition to emissions data, states may have better information to substitute for other parameters, such as activity levels, controls, and control efficiencies, that can be used to calculate emissions for pollutants that states have not addressed before.
- The states need clarifications for the following individual reporting parameters: point source thresholds and work weekday emissions.

Session: Emission Factors

The two main issues raised numerous times about this topic were: (1) more emission factors are needed for a variety of source categories (especially area and biogenic sources), and (2) communication between EPA and state and local agencies must improve in order to share

information. The comments and issues discussed were categorized into the following three main topic areas:

- Communications
- Technical guidance needed from EPA
- Database issues

Communication

Attendees felt strongly about establishing a systematic communication network among state and local agencies and EPA to exchange information on emission factor development, air pollution control device efficiencies, and source testing. One problem identified was that sometimes industry knows more about EPA's emission factor development activities than the states do (i.e., EPA does not communicate to a state or local agency that they are working with industry in their jurisdiction).

One participant mentioned that information overload is a problem (i.e., EPA provides a lot of information, but it is not centrally located and state and local agency personnel do not have or take the time to browse the Technology Transfer Network (TTN) to find the information). A way of automatically notifying state or local agencies of new materials or information being made available was discussed. Dallas Safriet of EFIG commented that EPA also had a need to improve communications with state and local agencies and said that he would like more involvement from state and local agencies during emission factor development projects, such as AP-42 revisions.

Ideas to establish a communications network were discussed and included using the following:

- News groups
- List servers
- Questions & answers section on the OAQPS/EFIG World Wide Web site

Technical Guidance Needed from EPA

Several issues were discussed pertaining to EFIG's emission estimation tools. Most of the comments pertained to the Factor Information Retrieval (FIRE) database, TANKS, and AP-42. One participant commented that he is still not clear on how the EIIP documents differ from or complement AP-42, and suggested that EPA clarify that issue. Roy Huntley (chairman of the session) will follow up on the major issues categorized under this technical guidance section, which are listed below:

- Guidance is needed on control device efficiencies and degradation of control devices (especially for PM-10 and PM-2.5);
- Guidance is needed on how long a stack test is good (e.g., if a state has test data from a source, how long can you assume that the unit is emitting at those levels?);
- When should a state accept site-specific data over an AP-42 emission factor and what criteria should the states use in accepting data from industry?
- Emission factors for PM-2.5, condensables, and precursors (ammonia and SO₂) are needed; categories mentioned were heavy construction and agricultural tilling;
- State and local agencies need a PM-2.5 calculator similar to the PM-10 calculator;
- State and local agencies need to know the status of the off-road mobile sources emission factors; will the Office of Mobile Sources (OMS) update these?
- AP-42 should clearly identify the HAPs (i.e., with a footnote within the table presenting the data);

- Add common sense tips to AP-42 (e.g., if surrogate data can be used for a similar pollutant and/or emission source when data are missing);
- Total suspended particulate (TSP), PM, PM-10, and PM-2.5 emission factors are needed for biogenic sources (sea salt spray, pine pollen, spores), flash tank emissions from oil wells, copper mining, fugitive emissions from hot-mix asphalt production, blast furnaces, dry wood combustion, fly ash from coal handling power plants, JP-8 fuel use for military aircraft, and rock crushing (western states disagree with the emission factors currently presented in AP-42);
- Many of the AP-42 emission factors for area sources are per capita or per employee factors that were developed from top-down estimates in the 1970s and 1980s. Does the EPA plan to update these emission factors? EPA is updating some of these factors.
- How does a state get a new Source Classification Code (SCC) assigned to a unit or process operation?

Database Issues

- TANKS does not allow for calculation of emissions from floating roof storage tanks at pipeline breakout stations. Cala Obenaut of Alabama will follow up with Dennis Beauregard at EFIG on this issue.
- FIRE corrections are needed; some emission factors are not consistent with the AP-42 reference cited; and errors in conversion factors have been found.
- Area sources should be included in FIRE.
- EPA should consolidate all of their emission factor databases and have emission factors centrally located in one database.
- AFS is not current or consistent with AP-42 or FIRE data. Does EPA plan to update AFS? (The EFIG representatives said that EPA had no immediate plans to pursue this task. EFIG is aware of the inconsistencies in data between the three sources of information; however, it would be a major undertaking to update AFS because each entry must be rekeyed).
- FIRE, AP-42, and AFS emission factors should all be reconciled and consistent.
- How long will AFS be supported and when will FIRE replace AFS?

Other Issues

- How does a state receive EPA approval on an emission estimation technique? (EFIG representatives said that the state has the authority to review the technical approach and decide if the technique should be approved, and that OAQPS did not necessarily “approve” emission estimation methods).
- Is there a protocol for a state or local agency to accept the use of non-AP-42 emission factors for emissions estimation? EFIG representatives noted that EPA approval is not necessary if the state reviews the methodology used to develop the emission factors. The “Procedures” manual was referred to at this point (EPA, 1997b).
- EPA is not reviewing and accepting (and publishing in AP-42) trade association data quickly enough.
- EPA suggested that state and local agencies request add-on testing from facilities in their jurisdictions (e.g., ask for analysis of condensables when testing for PM).
- AP-42 should be the sole source of emission factors.
- Timeliness of receiving emission factor data and the date of the inventory are concerns. (Is there a procedure for directing facilities to use one version of a tool such as AP-42 over another?)
- Michigan had performed a comparative analysis of emissions data reported in the Toxic Chemical Release Inventory System (TRIS) and national emissions calculated using available emission factors. The results showed a significant difference in the quantity of emissions emitted into the air. One participant stated that the compounds reported as volatile organic compounds (VOCs) differ and that a comparison is not feasible. Does EPA plan to do such a comparison?
- Hard copies of the AP-42, SCC manual, and AIRS are still preferred by some users.

Session: Data Transfer Procedures

This session began with a brief review of the five data transfer options for the 1996 PEI and NET data that had been presented by Lee Tooly on Tuesday. The main points from these sessions are listed below. Outstanding issues, questions, and action items are as follows:

- Several participants requested a summary of the pros and cons of each of the transfer options.
- Is there a way to transfer sub-county portion data?
- Are all the required data fields (for the 1996 PEI) in the raw NET data file?
- Are Section 105 grant funds available for data transfer? Grant funds were available for FY96 and FY97. No grant funds for FY98 are available at this time.
- Is contractor assistance available through the EPA? EIIP/EDI prototype participants have access to contractor assistance through the EPA.
- Some means for sharing of information between state and local agencies is needed to take advantage of each others' experiences. This could be an EPA message board or Frequently Asked Questions (FAQ) home page.
- Once a state or local agency has chosen which option they will be using, more information is needed on exactly where to send the data, to whom to send it, how to notify EFIG that the information has been sent, and where to find out if the data have been received and if it is acceptable to EPA.

Session: The Toxics Emission Inventory and the Consolidated Reporting Rule

The discussions in the consolidated reporting rule sessions focused on the following issues:

Support for the Rulemaking Effort

- Attendees indicated that a new rule was definitely needed because the current rules are obsolete.
- State and local agency personnel will find the rule helpful because the rule will combine CAA reporting requirements.
- Attendees support the idea of expanding the source types to include mobile, area, and biogenic sources.
- A majority of participants believed that a rule is needed; if the EPA just issued “policy” it would not be good enough.
- Most attendees indicated that their agencies are already collecting most of the required data elements with the exception of the HAP data.

Potential Problems and Conflicts with the Rule

- Additional resources will be needed to meet the expanded requirements for new pollutants, geographic areas, and source types.
- If the new rule is less stringent than current state law, some states may ultimately be required to justify their programs’ stringency.
- Confidential business information (CBI) issues, including data transfer to the federal government from state agencies, may potentially be a problem. EPA representatives stressed, though, that they will handle CBI the same way they have handled it to date--states should not provide it; EPA will make assumptions to fill in data gaps as needed.

Other Reporting Rule Items Discussed

- Representatives from several agencies indicated that it is beneficial for them to understand EPA’s need for specific data elements. This will help them prioritize source category coverage if necessary, and justify their data requests to facilities and their legislatures.

- In a discussion concerning how EPA could support the state emission inventory reporting efforts, particularly for the HAP requirements, it was suggested that although state and local agency personnel prefer to estimate criteria pollutant mobile source emissions themselves, they could use EPA's support in estimating HAP emissions from these sources.
- Most attendees stressed that along with the new HAP inventory requirements, EPA needs to provide guidance for developing HAP emission inventories, including guidance on how to identify sources and inventory methods to use, as well as provide more emission factors to use in estimating emissions.
- One state agency representative suggested that EPA consider providing flexibility in the reporting periods and not limit them strictly by calendar year.

Rule Clarifications

- Several attendees suggested that the term "significant" not be used to describe facilities above a certain reporting cutoff, because the word has other meanings in other CAA programs.
- Some attendees suggested that the reporting trigger for "significant" sources should be lower; others suggested that it be flexible or negotiable with each Regional Office depending on each facility's location.
- The rule language needs to clarify the levels that trigger reporting--does just one pollutant trigger reporting? Once triggered, do emissions of all listed pollutants need to be reported?
- The "significant" and "major" definitions need to be clarified, and whether or not EPA is requesting reporting of actual or potential emissions.

Reporting Rule Action Items

- EPA needs to review the PM-2.5 inventory needs and revise the reporting requirements in the draft rule.
- EPA should review the Biogenic Emissions Inventory System (BEIS) model and the EIIP biogenic sources volume to make sure they both meet the PM-2.5 data needs.

- EPA representatives should discuss the CBI-related issues with their lawyers to clear up outstanding issues. In conjunction with this, EPA should consider what their true “minimum” data elements are.

The session discussions on HAP emission inventory issues focused on the following:

HAP Emission Inventory Items Discussed

- States that currently have HAP emission inventory programs estimate emissions using permit data provided by the facility or Toxic Release Inventory (TRI) data, or agency personnel develop the emission estimates.
- State and local agency personnel understand the limits of TRI data as a HAP emission inventory component and agree that TRI data alone do not represent a complete major source emission inventory.
- In spite of this obstacle noted above, however, many state and local agencies have successfully integrated their criteria and HAP inventory programs for major sources, and routinely solicit HAP inventory data from facilities through their permit programs. However, there may be a potential conflict between the reporting of actual versus potential emissions.
- The state and local HAP emission inventory programs currently in place vary in that some HAP programs are integrated with the criteria pollutant inventory program, some are integrated with the enforcement program, some are integrated with the Maximum Achievable Control Technology (MACT) program, and others with the permitting program. Most attendees acknowledged that it would be a problem if these programs operated independently of one another and did not share information.
- With the exception of Arizona, California, and the Great Lakes Commission (GLC)-member states, no states have programs for area or mobile source HAP inventory development. The GLC program is funded with EPA grant money.
- Several attendees suggested that the HAP reporting requirements in the consolidated reporting rule should allow flexibility due to limited HAP emission inventory data. They also noted that it would be beneficial for EPA officials to prioritize the data they want from state and local agencies.
- In the discussions concerning the HAP emission inventory survey sent out by the State and Territorial Air Pollution Program Administrators/Association of Local

Air Pollution Control Officials (STAPPA/ALAPCO), it was suggested that the EPA Regional Offices should also be contacted regarding state and local agency HAP inventory programs. In addition, concern was expressed that many of the attendees did not know who their toxics coordinator was, or were not aware that a survey had been sent to their agency.

HAP Inventory Recommendations

- There was consensus among the attendees that the consolidated reporting rule should include all CAA 188 HAPs.
- State and local agencies should integrate their criteria and HAP inventory programs and databases as part of the reporting requirements.
- It was suggested that EPA expand the MOBILE model to include HAP fractions so that state and local agencies could develop their own on-road mobile HAP emission estimates.

HAP Inventory Obstacles

- A number of significant obstacles were highlighted regarding the development of HAP emission inventories including limited agency funding, the lack of available HAP emission factors, and limited experience in developing HAP emission inventories.
- Another key obstacle in developing and maintaining a HAP emission inventory program is the lack of a federal mandate to do so. The lack of a federal mandate may have a direct impact of the resource allocation decisions made within state and local agencies.

HAP Inventory Action Items

- Attendees stressed repeatedly that they need guidance from EPA on how to develop HAP emission inventories. This guidance should include how to identify potential sources of each HAP, especially area sources, and what emission inventory methods should be used for each source category. Attendees also noted that EPA must also develop more HAP emission factors. Representatives from

California, North Carolina, and some GLC-member states indicated that their agency could provide some HAP inventory development guidance materials.

- Any guidance developed will be beneficial to industry if they are required to estimate their own emissions, and will also serve as a quality assurance tool for state and local agencies.
- EPA representatives noted that the EIIP program could be used to a greater extent to provide HAP emission inventory guidance to state and local agencies.
- Several attendees asked that EPA provide the results of the STAPPA/ALAPCO survey to workshop participants.

Section 4

Workshop Discussion Groups

On the last day of the workshop, the most important points that came up during the discussion sessions of the previous day were summarized by the technical presenter of the topic. After each summary presentation, a question and answer session followed. The questions (Q), answers (A), and comments (C) prompted by each of the presentations are summarized below.

1996 Emission Inventory and Implications of New Standards; Bill Kuykendal Presenting

Q: What is the PM Calculator?

A: The PM Calculator is a program that will calculate PM-10 emission estimates from TSP estimates based on source category-specific ratios. This calculator is available now on the Clearinghouse for Inventories and Emission Factors (CHIEF) Bulletin Board System (BBS) and CHIEF Web site. Some PM-2.5 estimates in the NET inventory were calculated using a newer version of the PM Calculator.

Q: When PM-10 and PM-2.5 estimates are calculated using factors or ratios, PM-2.5 can sometimes come out as greater than PM-10 when control efficiency is applied. Is this a problem with the calculator?

A: No. The PM Calculator does not allow this to happen. Instead, PM-2.5 will be set to the same level as PM-10.

Q: In regard to the required 15% VOC reduction between the 1990 base year inventory and the 1996 inventory, how are states supposed to reconcile differences in inventories that are the result of using more rigorous methods in 1996?

A: The EPA is looking for the best estimate of actual emissions possible. Some states may need to recalculate some of their 1990 emission estimates.

Q: The list of inventory reporting data elements includes an average work weekday emissions estimate. Some area sources have their highest emissions on weekend days. What should be reported?

A: The work weekday data element is one of the data elements that needs to be better defined.

Emission Factors; Roy Huntley Presenting

C: EPA should study condensables from biogenic sources.

Q: Could EPA find funding for emission factor work through the Title V program?

A: Some states have restrictions on what can be done with Title V money.

Data Transfer Procedures; Lee Tooty Presenting

Q: Where can states get more information about how the emission estimates in the NET inventory were prepared?

A: The "1996 NET and Procedures Document" contains that information and it can be obtained via the EFIG Home Page (<http://www.epa.gov/oar/oaqps/efig/ei/index.htm#Guidance>).

Q: Will the NET inventory have the inputs for any given county?

A: Yes. If not, call EFIG.

Q: How should a partial county be reported? This occurs when only a part of the county is in nonattainment.

A: That still needs to be worked out.

Q: Are there cost estimates for the data transfer options?

A: The translator will cost nothing for those states involved in the prototype study. There is a report on the EIIP Home Page that discusses the procurement of a translator.

Q: Have existing Area and Mobile Source Subsystem (AMS) data been used in the NET inventory?

A: AMS data were incomplete; data from the Ozone Transport Assessment Group (OTAG) and Grand Canyon Visibility Study (GCVS) were used.

Toxics Emission Inventory, Reporting Rule; Anne Pope and Steve Bromberg Presenting

C: Significant point sources may need to be defined according to whether they are located in an attainment or nonattainment area.

C: If de minimus levels are used for determining what facilities must report and HAPs are included, then the reporting burden will increase significantly.

C: EPA needs to address ammonia emissions.

Section 5

References

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Appendix A

Final Workshop Participant List

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Jefferson City, MO 65102
(573) 751-4817

Ms. Jill Vitas
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(919) 715-8666

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Air Quality Mgmt. Div.
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PA Department of Environmental Protection
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Ms. Ming Xie
Environmental Engineer
NC DEHNR - Division of Air Quality

Appendix B

1997 Air Toxics Point of Contacts

1997 Air Toxics Point of Contacts

The following provides Point of Contacts for Agencies listed below.

Environmental Protection Agency (EPA) Regional Offices
(www.epa.gov/oar/oaqps/airtox)
State and Territorial Air Pollution Program Administrators (STAPPA) and
Association of Local Air Pollution Control Officials (ALAPCO)
(www.4cleanair.org.html)
EPA Small Business Assistance Program (www.epa.gov/oar/oaqps/sbap/)
Tribal Committee Officials (www.epa.gov/indian/overtoc.html)

Alabama

Home Page: <http://alaweb.asc.edu/>

EPA:

Region IV
Lee Page, Air Toxics Coordinator
Atlanta Federal Center
61 Forsyth Street SW
Atlanta, GA 30303-3104
Telephone: 404-562-9131
Fax: 404-562-9095
e-mail: page.lee@epamail.epa.gov
Home Page: www.epa.gov/region4/

State:

Alabama Department of Environmental Management Air
Division
Ron Gore, Acting Director
1751 Cong. W.L. Dickenson Drive
Montgomery, AL 36130
Telephone: (334) 271-7861
Fax: (334) 279-3044
E-Mail: 71012.32@compuserve.com

Acid Deposition:

Conformity: Ken Barrett
Enforcement: Ron Gore
Implementation Plans: Ken Barrett
Indoor Air Pollution: Lud Hoffman
Mobile Sources: Ronnie Watkins
Monitoring: Tim Owen
New Source Review: Ron Gore
Ozone/Carbon Monoxide: Ronnie Watkins
Particulate Matter: Ken Barrett
Permitting: Ron Gore
Pollution Prevention: Ken Barrett
Program Funding: Ronnie Watkins
Public Information: Catherine Lamar
Stratospheric Ozone: Ronnie Watkins
Toxics: Ronnie Watkins
Training: Ronnie Watkins
Transportation: Ken Barrett

Home Pages:

<http://www.mindspring.com/~spinson/ag&f.html>
Department of Conservation and Natural Resources

Local:

Jefferson County Department of Health

Bureau of Environmental Health
James Carroll, Director
P.O. Box 2648
Birmingham, AL 35202-2648
Telephone: (205) 930-1292
Fax: (205) 939-3019

City of Huntsville
Natural Resources and Environmental Management
Division
Daniel Shea, Manager
305 Church Street
Huntsville, AL 35801
Telephone: (205) 535-4206
Fax: (205) 535-4212
E-Mail: dshea@ci.huntsville.al.us

Small Business Assistance Program:

Alabama Department of Environmental Management
Air Division
James Moore, Technical Programs
P.O. Box 301463
Montgomery, AL 36130-1463
Telephone: (334) 271-7950
Fax: (334) 271-7950

Alaska

Home Page: <http://www.state.ak.us/>

EPA:

Region X
Andrea Longhouse, Air Toxics Coordinator
1200 Sixth Avenue
Seattle, WA 98101
Telephone: 206-553-8760
Fax: 206-553-0404
e-mail: longhouse.andrea@epamail.epa.gov
Home Page: www.epa.gov/region10/

State:

Alaska Department of Environmental Conservation Air &
Water Quality Division
Leonard D. Verrelli, Director
410 Willoughby Avenue
Suite 105
Juneau, AK 99801-1795
Telephone: (907) 465-5100
Fax: (907) 465-5129
E-Mail: lverrell@envircon.state.ak.us

1997 Air Toxics Point of Contacts

Acid Deposition: Gerry Guay
Climate Change: John Stone
Conformity: Ron King
Enforcement: Bob Hughes
Implementation Plans: John Stone / Ron King
Indoor Air Pollution: John Stone
Mobile Sources: Ron King
Monitoring: Gerry Guay
New Source Review: Alfred Bohn
Ozone/Carbon Monoxide: Ron King
Particulate Matter: Gerry Guay
Permitting: Alfred Bohn
Program Funding: Leonard Verrelli
Public Information: Joe Ferguson
Stratospheric Ozone: John Stone
Toxics: John Stone
Training: Leonard Verrelli
Transportation: Ron King

Home Pages:
http://www.state.ak.us/local/akpages/ENV.CONSERV/dawq/dec_dawq.htm
Division of Air and Water Quality

<http://www.state.ak.us/local/akpages/ENV.CONSERV/home.htm>
The Alaska Department of Environmental Conservation

<http://www.dnr.state.ak.us/>
The Alaska Department of Natural Resources

<http://www.alaska.net/~apuc/>
Alaska Public Utilities Commission

Local:

Anchorage Air Pollution Control Agency
Department of Health and Human Services
Stephen Morris, Manager
P.O. Box 196650
Anchorage, AK 99519-6650
Telephone: (907) 343-4713
Fax: (907) 343-4786

Fairbanks North Star Borough
Department of Transportation
Max Lyon, Director
3175 Peger Road
Fairbanks, AK 99709
Telephone: (907) 459-1002
Fax: (907) 459-1004

Small Business Assistance Program:

Alaska Department of Environmental Conservation
Scott Lytle, Technical Programs
555 Cordova Street
Anchorage, AK 99501
Telephone: (907) 269-7571
Fax: (907) 269-7600

Arizona

Home Page: <http://www.state.az.us/>

EPA:

Region IX
Air Division
75 Hawthorne Street
San Francisco, CA 94105
Telephone: 415-744-1200
Fax: 415-744-1076
Home Page: www.epa.gov/region9/

State:

Arizona Department of Environmental Quality
Air Quality Division
Nancy C. Wrona, Director
3033 North Central Avenue
5th Floor
Phoenix, AZ 85012
Telephone: (602) 207-2308
Fax: (602) 207-2366

Acid Deposition: Prabhat Bhargava
Climate Change: Mike George
Conformity: Ira Domskey
Enforcement: Mike Traubert
Implementation Plans: Ira Domskey
Indoor Air Pollution: Kathy Stevens
Mobile Sources: Dan Grubbe
Monitoring: Jim Guyton
New Source Review: Prabhat Bhargava
Ozone/Carbon Monoxide: Gary Neuroth
Particulate Matter: Gary Neuroth
Permitting: Prabhat Bhargava
Pollution Prevention: Todd Dorris
Program Funding: Ira Domskey
Public Information: Ira Domskey
Stratospheric Ozone: Kathy Stevens
Toxics: John Burchard/ Prabhat Bhargava
Training: Nancy Wrona
Transportation: Ira Domskey
Visibility: Mike George

Home Pages:
<http://homepage.interaccess.com/~scotte/apr/states/stat esaz.htm>
Arizona Air Quality Management and Air Pollution Resources

Local:

Coconino County Air Pollution Control District
Environmental Health Services
Elsie Eyer, Acting Director
2500 North Ft. Valley Road
Flagstaff, AZ 86001
Telephone: (520) 779-5164 ext.12
Fax: (520) 773-0792

Pinal County Air Quality Control District
Donald P. Gabrielson, Director
P.O. Box 987

1997 Air Toxics Point of Contacts

Florence, AZ 85232
Telephone: (520) 868-6760
Fax: (520) 868-6754
E-Mail: pcaqcd@enet.net

Maricopa County Bureau of Air Pollution Control
Environmental Services
Albert Brown, Director
2406 South 24th Street
Suite E-204
Phoenix, AZ 85034
Telephone: (602) 506-6700
Fax: (602) 506-6925
Home Page: <http://156.42.20.52/envsvc/technical.html-ssi>

Pima County Department of Environmental Quality
David Esposito, Director
130 West Congress, 3rd Floor
Tucson, AZ 85701
Telephone: (520) 740-3340
Fax: (520) 882-7709

Small Business Assistance Program:

Arizona Department of Environmental Quality
Greg Workman, Technical Programs
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Phoenix, AZ 85012
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Fax: (602) 207-4872
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Pima County Department of Environmental Quality
Business Assistance
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130 West Congress St.
Tucson, AZ 85701-1371
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Arkansas

Home Page: <http://www.state.ar.us/>

EPA:

Region VI
Robert Todd, Air Toxics Coordinator
First Interstate Bank Tower@ Fountain Place
1445 Ross Avenue
12th Floor, Suite 1200
Dallas, TX 75202-2733
Telephone: 214-665-2156
Fax: 214-665-7263
e-mail: todd.robert@epamail.epa.gov
Home Page: www.epa.gov/region6/

State:

Arkansas Department of Pollution Control and Ecology
Air Division
Keith A. Michaels, Chief
8001 National Drive, P.O.Box 8913

Little Rock, AR 72219-8913
Telephone: (501) 682-0750
Fax: (501) 682-0753

Acid Deposition: John Mitchell
Enforcement: Nelson Jackson
Implementation Plans: Mike Porta
Mobile Sources: Mike Porta
Monitoring: Mitchell Stroh
New Source Review: Mike Porta
Ozone/Carbon Monoxide: Mark McCorkle
Particulate Matter: Mike Porta
Permitting: Cecil Harrell
Program Funding: Cathalene Purvis
Public Information: Rhonda Sharp
Stratospheric Ozone: Mark McCookle
Toxics: Mike Porta

Home Pages:
http://www.state.ar.us/html/ark_govt.html
Arkansas State Government Information Page

<http://cavern.uark.edu/~govninfo/>
Arkansas Government Information

Small Business Assistance Program:

Arkansas Department of Pollution Control and Ecology
Robert e. Granham, Ombudsman
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Little Rock, AR 72219-8913
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Fax: (501) 562-0297
E-mail: graham@adpce.lrk.ar.us

1997 Air Toxics Point of Contacts

California

Home Page: <http://www.state.ca.us>

EPA:

Region IX
Air Division
75 Hawthorne Street
San Francisco, CA 94105
Telephone: 415-744-1200
Fax: 415-744-1076
Home Page: www.epa.gov/region9/

State:

California Air Resources Board
James D. Boyd, Executive Officer
P.O. Box 2815
Sacramento, CA 95812
Telephone: (916) 445-4383
Fax: (916) 322-6003
E-Mail: jboyd@arb.ca.gov

Acid Deposition: John Holmes
Climate Change: John Holmes
Conformity: Lynn Terry
Enforcement: James Morgester
Implementation Plans: Lynn Terry
Indoor Air Pollution: John Holmes
Mobile Sources: Bob Cross/Rod Summerfield
Monitoring: Bill Loscutoff
New Source Review: Peter Venturini
Ozone/Carbon Monoxide: Lynn Terry
Particulate Matter: Lynn Terry
Permitting: Peter Venturini
Program Funding: Mike Scheible
Public Information: Jerry Martin
Stratospheric Ozone: John Holmes
Toxics: Peter Venturini
Training: James Morgester
Transportation: Lynn Terry

Home Pages:

<http://www.arb.ca.gov>
California Air Resources Board

<http://www.calepa.cahwnet.gov/>
California Environmental Protection Agency

<http://www.ciwmb.ca.gov/mrt/wpw/wpwlc1.htm>
California Integrated Waste Management Board Waste
Prevention World

<http://www.energy.ca.gov/energy/html/energyinfo.html#generalinfo>
California Energy Commission
<http://homepage.interaccess.com/~scotte/apr/states/stat.esca.htm>

California State Air Quality Management and Air
Pollution Resources

<http://gopher.gopher.cpuc.ca.gov/>
California Public Utilities Commission

Local:

Modoc County Air Pollution Control District
Les Wright, Air Pollution Control Officer
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Placer County Air Pollution Control District
Richard Johnson, Air Pollution Control Officer
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Kern County Air Pollution Control District
Thomas Paxson, Air Pollution Control Officer
2700 M Street, Suite 290
Bakersfield, CA 93301
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Great Basin Unified Air Pollution Control District
Ellen Hardebeck, Air Pollution Control Officer
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Colusa County Air Pollution Control District
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100 Sunrise Blvd, Suite F
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Fax: (916) 458-5000

Yolo Solano Air Quality Management District
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South Coast Air Quality Management District
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Home Page: <http://www.aqmd.gov/>

Butte County Air Quality Management District
Lawrence Odle, Air Pollution Control Officer
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1997 Air Toxics Point of Contacts

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Imperial County Air Pollution Control District
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El Centro, CA 92243
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North Coast Unified Air Quality Management District
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Santa Barbara County Air Pollution Control District
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Goleta, CA 93117
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E-Mail: apcd@apcd.santa-barbara.ca.us
Home Page: <http://www.apcd.santa-barbara.ca.us/~apcd>

Northern Sierra Air Quality Management District
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Northern Sonoma County Air Pollution Control District
Barbara Lee, Air Pollution Control Officer
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Amador County Air Pollution Control District
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Lake County Air Quality Management District
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Feather Rive Air Quality Management District
Marysville, CA
Home Page:
<http://www.yubacoe.k12.ca.us/fraqmd/fraqmd.html>

Monterey Bay Unified Air Pollution Control District
Doug Quetin, Air Pollution Control Officer
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Monterey, CA 93940
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Mountain County Air Basin
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Sierra City, CA 96125

Shasta County Air Quality Management District
R. Michael Kussow, Air Pollution Control Officer
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Redding, CA 96001
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Sacramento Metropolitan Air Quality Management District
Norm Covell, Air Pollution Control Officer
8411 Jackson Road
Sacramento, CA 95826
Telephone: (916) 386-6182
Fax: (916) 386-7040
Home Page: <http://www.sparetheair.com>

Calaveras County Air Pollution Control District
Jerry Howard, Air Pollution Control Officer
Government Center
San Andreas, CA 95249-9709
Telephone: (360) 754-6399
Fax: (360) 754-6521

San Diego County Air Pollution Control District
Richard J. Sommerville, Air Pollution Control Officer
9150 Chesapeake Drive
San Diego, CA 92123-1096
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Fax: (619) 505-6350

1997 Air Toxics Point of Contacts

Bay Area Air Quality Management District
John Powell, Acting Air Pollution Control Officer
939 Ellis Street
San Francisco, CA 94109
Telephone: (415) 771-6000
Fax: (415) 928-8560

San Luis Obispo County Air Pollution Control District
Robert W. Carr, Director
2156 Sierra Way, Suite B
San Luis Obispo, CA 93401
Telephone: (805) 781-5912
Fax: (805) 781-1035
E-Mail: ipapcd@slonet.org
Home Page:
<http://www.slonet.org/~ipapcd/ipfiles/index.html>

Tuolumne County Air Pollution Control District
Gerald A. Benincasa, Air Pollution Control Officer
2 South Green Street
Sonora, CA 95370
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Fax: (209) 533-5520

Lassen County Air Pollution Control District
Kenneth R. Smith, Air Pollution Control Officer
175 Russell Avenue
Susanville, CA 96130
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Fax: (916) 257-6515

Mendocino County Air Quality Management District
David Faulkner, Air Pollution Control Officer
306 East Gobbie Street
Ukiah, CA 95482
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Fax: (707) 463-5707

Ventura County Air Pollution Control District
Richard H. Baldwin, Air Pollution Control Officer
669 County Square Drive
Ventura, CA 93003
Telephone: (805) 645-1440
Fax: (805) 645-1444
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Mojave Desert Air Quality Management District
Chuck Fryxell, Air Pollution Control Officer
15428 Civic Drive, Suite 200
Victorville, CA 92392
Telephone: (619) 245-1661
Fax: (619) 245-2699

Glenn County Air Pollution Control District
Ed Romano, Air Pollution Control Officer
P.O. Box 351
Willows, CA 95988
Telephone: (916) 934-6500
Fax: (916) 934-6503

Feather River Air Quality Management District
Kenneth Corbin, Air Pollution Control Officer

938 14th Street
Marysville, CA 95901
Telephone: (916) 634-7659
Fax: (916) 634-7660

Small Business Assistance Program:
South Coast Air Quality Management District
LaRonda Bowen, Technical Programs
21865 e. Copley Drive
Diamond Bar, CA 91765
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Fax: (909) 396-3638

Santa Barbara County Air Pollution Control District
Francis Gilliland, Technical Programs
26 Castilian Drive
Suite B-23
Goleta, CA 93117
Telephone: (805) 961-8868
Fax: (805) 961-8801

Sacramento County Business
Environmental Resource Center
Terrie Mitchell, Technical Programs
10425 Norden Ave., Bldg. 3492
Mather, CA 95655-1101
Telephone: (916) 364-4110
Fax: (916) 364-4115

California Air Resource Board
Peter Venturini, Technical Programs
2020 L Street
Sacramento, CA 95814-4219
Telephone: (916) 445-0650
Fax: (916) 445-5023

San Diego County Air Pollution Control District
Paul Davis, Technical Programs
9150 Cheapeake Dr.
San Diego, CA 92123
Telephone: (619) 694-3339
Fax: (619) 694-2730

Bay Area Air Quality Management District
Christine Schaufelberger, Technical Programs
939 Ellis St.
San Francisco, CA 94109
Telephone: (415) 749-4779
Fax: (415) 928-0338
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BEAC UC Extension
Erin Craig, Technical Programs
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Fax: (408) 748-7388

Mojave Desert Air Quality Management District
Programs

1997 Air Toxics Point of Contacts

Eldon Heaston, Technical Programs
15428 Civic Drive
Victorville, CA 92392
Telephone: (619) 243-8911
Fax: (619) 243-8907

Colorado

Home Page:
http://www.state.co.us/gov_dir/govmenu.html

EPA:

Region VIII
Heather Rooney, Air Toxics Coordinator
999 18th Street
Suite 500
Denver, CO 80202-2466
Telephone: 303-312-6971
Fax: 303-312-6409

e-mail: rooney.heather@epamail.epa.gov
Home Page: www.epa.gov/region8/

State:

Colorado Department of Health
Air Pollution Control Division B-1
Margie M. Perkins, Division Director
4300 Cherry Creek Drive South
Denver, CO 80222-1530
Telephone: (303) 692-3100
Fax: (303) 782-5493/782-0278

Acid Deposition: Sheila Burns
Climate Change: Steven Arnold
Conformity: Karin Kudebeh
Enforcement: Dave Ouimette
Implementation Plans: Steve Arnold
Indoor Air Pollution: Steve Fine
Mobile Sources: Jerry Gallagher
Monitoring: Sheila Burns
New Source Review: Jim Geier
Ozone/Carbon Monoxide: Steven Arnold
Particulate Matter: Steven Arnold
Permitting: Jim Geier
Pollution Prevention: Phyllis Breeze
Program Funding: Margie Perkins
Public Information: Fred Quartarone
Stratospheric Ozone: Steven Arnold
Toxics: Dave Ouimette
Training: Ray Mohr
Transportation: Jim Dileo

Home Pages:
http://www.state.co.us/gov_dir/cdphe_dir/ap/aphom.html
Colorado Air Pollution Control Division

<http://www.puc.state.co.us/>
Colorado Public Utilities Commission

http://www.state.co.us/gov_dir/cdphe_dir/ap/aphom/html
Colorado Department of Health and Environment

<http://homepage.interaccess.com/~scotte/apr/states/statesco.htm>
Colorado Air Quality Management Resources

Local:

City of Boulder Office of Environmental Affairs
Karen Schatten, Air Quality Program Coordinator
P.O. Box 791
Boulder, CO 80306
Telephone: (303) 441-3090
Fax: (303) 441-4070
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Boulder County Health Department
Air and Solid Waste Division
Jeff Zayach, Supervisor
3450 North Broadway
Boulder, CO 80304
Telephone: (303) 441-1182
Fax: (303) 441-1468
E-Mail: JJZHE@boco.co.gov

El Paso County Department of Health and Environment
John R. James, Air Quality Program Supervisor
301 South Union Boulevard
Colorado Springs, CO 80910
Telephone: (719) 578-3139
Fax: (719) 578-3192

Denver Department of Public Health
Environmental Protection Division
Steven J. Foute, Director
605 Bannock Street (MC-2350)
Denver, CO 80204-4507
Telephone: (303) 436-7305

Fax: (303) 436-5074
E-Mail: sfoute@worldnet.att.net

Tri-County Health Department
Chris Wiant, Associate Director Environmental Health
7000 East Belleview, Suite 301
Englewood, CO 80111-1628
Telephone: (303) 220-9200
Fax: (303) 220-9208

Larimer County Health Department
Air Pollution Control Division
Myrna Jamison Hansen, Air Pollution Control Specialist
1525 Blue Spruce Drive
Fort Collins, CO 80524
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Home Pages:

<http://spirit.lib.uconn.edu/ConnState/Environment.html>
Connecticut State Information Server: Environment & Natural Resources

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1997 Air Toxics Point of Contacts

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Home Pages:
<http://www.state.de.us/govern/agencies/dnrec/air/air&wste.htm>
Division of Air and Waste Management

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1997 Air Toxics Point of Contacts

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New Source Review: Modupe Babalola
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Home Pages:

<http://www.dep.state.fl.us/air/arm.html>
Division of Air Resource Management

<http://www.dep.state.fl.us:80/>
Florida Department of Environmental Protection

<http://freenet3.scri.fsu.edu:81/ht-free/flpsc.html>
Florida Public Service Commission

<http://www.dep.state.fl.us/org/erp.html>
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Home Pages:
<http://www.dnr.state.ga.us/epd/apb/index.htm>
Air Protection Branch of the Environmental Protection
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<http://www.htdc.org/~dlnr/>
Department of Land and Natural Resources

<http://www.ocea/ocea.html>
Office of Conservation and Environmental Affairs

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Home Pages:
<http://www.epa.state.il.us/bureaus/boa/boa.html>
Illinois EPA Bureau of Air

<http://www.epa.state.il.us/>
Illinois Environmental Protection Agency (EPA)

<http://www.state.il.us/pcb/PCBHPAGE.HTM>
Pollution Control Board

<http://dnr.state.il.us/>
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Home Pages:
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Mobile Sources: Jan Sides
Monitoring: Jan Sides
New Source Review: Chuck Layman
Ozone/Carbon Monoxide: Jan Sides
Particulate Matter: Jan Sides
Permitting: Chuck Layman
Pollution Prevention: John C. Irwin
Program Funding: John C. Irwin
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Stratospheric Ozone: Jan Sides
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Climate Change: Monica Hale Kehrt
Conformity: Lona Brewer
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Indoor Air Pollution: Monica Hale Kehrt
Mobile Sources: David Gore
Monitoring: Larry Garrison
New Source Review: Bill Dills/Dan Gray
Ozone/Carbon Monoxide: Ken Hines
Particulate Matter: Ken Hines
Permitting: Bill Dills/Dan Gray
Pollution Prevention: Lynda Sherrard
Program Funding: Jackie Warner
Public Information/Education: Eva Smith-Carroll/ Lillie Cox
Stratospheric Ozone: Monica Hale Kehrt
Toxics: Carl Millanti
Training: Michelle Kent
Transportation: Lona Brewer

Home Pages:
<http://www.state.ky.us/agencies/eqc/eqc.html>

Kentucky Environmental Quality Commission

Local:

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Climate Change: Bennett Farrier/ Manop Vanichchagorn
Conformity: Annette Sharp/Pat Salvaggio
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Implementation Plans: Gustave Von Bodungen/Annette Sharp

1997 Air Toxics Point of Contacts

Indoor Air Pollution: Bennett Farrier
Mobile Sources: Chris Roberie/Teri Lanoue
Monitoring: Manop Vanichchagorn/ Sak Sintuphant
New Source Review: Larry Devillier/ Hilry lantz
Ozone/Carbon Monoxide: Gustave Von
Bodungen/Bennett Farrier
Particulate Matter: Manop Vanichcha-gorn/Sak
Sintuphant
Permitting: Larry Devillier/Hilry Lantz
Pollution Prevention: Ronnie Wascom/Atly Brasher
Program Funding: Ronnie Wascom/ Bob Hannah
Public Information: Liz Santa/Bob Hannah
Stratospheric Ozone: Bennett Farrier
Toxics: Bliss Higgins/Bob Marting
Training: Ben Potier/Liz Santa
Transportation: Bennett Farrier/Chris Roberie

Home Pages:

<http://www.deq.state.la.us/oarp/oarp.htm>
Office of Air Quality & Radiation Protection

<http://www.deq.state.la.us/>
Department of Environmental Quality

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Department of Natural Resources

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State:

Main Department of Environmental Protection
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Enforcement: Kevin MacDonald
Implementation Plans: Jeff Crawford
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Monitoring: Leighton Carver
New Source Review: Mark Cone
Ozone/Carbon Monoxide: Jeff Crawford
Particulate Matter: Jeff Crawford
Permitting: Bryce Sproul
Program Funding: Rich Limouze
Public Information: Bryce Sproul
Stratospheric Ozone: Jeff Crawford
Toxics: Ellen Doering
Training: Louis Fontaine
Transportation: Melissa Morrill

Home Pages:

<http://www.state.me.us/dep/mdephhome.htm>
Department of Environmental Protection

<http://www.state.me.us/doc/dochome.htm>
Department of Conservation

Small Business Assistance Program:

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New Source Review: Karen Irons
Ozone/Carbon Monoxide: Diane Franks
Particulate Matter: Diane Franks
Permitting: Karen Irons
Program Funding: Merrylin Zaw-Mon
Public Information: Caryn Coyle
Stratospheric Ozone: Frank Courtright
Toxics: Mike Pokorny
Training: Greg Vuocolo
Transportation: Diane Franks

Home Pages:

<http://www.mde.state.md.us/arma/armahome.html>
Air & Radiation Management Administration of MD Dept
of Environment

<http://dg100.mde.state.md.us/>
Department of the Environment

<http://gacc.com:82/>
Department of Natural Resources

<http://dg196mde.er.usgs.gov/epsc/p2.html>
Maryland Department of the Environment Pollution
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<http://www.metolab3.umd.edu/~alan/sc.html>
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Small Business Assistance Program

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Enforcement: Donald Squires
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Monitoring: Donald Steele
New Source Review: Donald Squires
Ozone/Carbon Monoxide: Leah Weiss
Particulate Matter: Nancy Seidman
Permitting: Robert Donaldson
Pollution Prevention: Barbara Kwetz
Program Funding: William Kacher
Public Information: Andrea Carneiro
Stratospheric Ozone: Ellen Robertson
Toxics: Robert Donaldson
Training: Herbert Redman
Transportation: Christine Kirby

Home Pages:

<http://www.magnet.state.ma.us/dep/bwp/daqc/daqchome.htm>
Division of Air Quality Control

<http://www.magnet.state.ma.us/dep/dephome.htm>
Department of Environmental Protection

<http://www.magnet.state.ma.us/envir/eoea.htm>
The Executive Office of Environmental Affairs

<http://www.magnet.state.ma.us/dem/dem.htm>
Department of Environmental Management

<http://www.magnet.state.ma.us/envir/air.htm>
Massachusetts Environment Report: Air

<http://www.magnet.state.ma.us/doer/home.htm>
Massachusetts Division of Energy Resources

<http://www.magnet.state.ma.us/dpu/dpu.htm>
Department of Public Utilities

<http://www.magnet.state.ma.us/mepa/home.htm>
Massachusetts Environmental Policy Act

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Mobile Sources: Robert Rusch
Monitoring: Ron Kooistra
New Source Review: Dennis Ambruster
Ozone/Carbon Monoxide: Mary Maupin
Particulate Matter: Steve Kish
Permitting: David Yanochko
Pollution Prevention: Joy Taylor
Program Funding: Marion Hart
Public Information: Laura DeGuire
Stratospheric Ozone: Craig Fitzner
Toxics: Jerry Avery/Catherine Simon
Training: Becky Patrick
Transportation: Mary Maupin/Bob Rusch

Home Pages:
<http://www.deq.state.mi.us/aqd/>
Michigan Air Quality Division

<http://www.deq.state.mi.us/>
Department of Environmental Quality

<http://www.dnr.state.mi.us/>
Department of Natural Resources

<gopher://gopher.dnr.state.mi.us/>
Department of Natural Resources Gopher

<http://www.great-lakes.net/partners/mesb/mesb.html>
Michigan Environmental Science Board

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Implementation Plans: John Seltz/Susan Mitchell/Gordon Anderson
Mobile Sources: Barb Jackson/Dave Kelso
Monitoring: Rick Strassman/David Thornton
New Source Review: Carolina Schutt/Jenny Reinertsen
Ozone/Carbon Monoxide: David Thornton/John Seltz/David Kelso
Particulate Matter: John Seltz/Susan Mitchell/Gordon Anderson
Permitting: Don Smith/Carolina Schutt
Program Funding: Mike Sandusky/Mary Foster
Public Information: Susan Brustman/ Becky Helgesen
Stratospheric Ozone: Troy Johnson/Greg Pratt
Toxics: Onsoon Berglund/Kathy Seeburger
Training: Shawna Gibson/Leo Raudys
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Richfield Health Department
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New Source Review: Don Watts
Ozone/Carbon Monoxide: Connie J. Simmons
Particulate Matter: Connie J. Simmons
Permitting: Don Watts
Pollution Prevention: Danny Jackson
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Missouri Department of Natural Resources
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New Source Review: Mike Stansfield
Ozone/Carbon Monoxide: Terry Rowles

1997 Air Toxics Point of Contacts

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Program Funding: Pat Muck
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Stratospheric Ozone: Paul Myers
Toxics: Calvin Ku
Training: Brenda Meyer
Transportation: Jim Kavanaugh

Home Pages:
<http://www.state.mo.us/dnr/deq/apcp/homeapcp.htm>
Department of Natural Resources Air Pollution Control Program

<http://www.state.mo.us/dnr/homednr.htm>
Department of Natural Resources

<http://www.state.mo.us/dnr/deq/homedeq.htm>
Department of Natural Resources, Division of Environmental Quality

http://www.state.mo.us/dnr/de/home_de.htm
Department of Natural Resources, Division of Energy

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Helena, MT 59620-0901
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Nebraska

Home Page: <http://www.state.ne.us/>

EPA:

Region VII
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Home Page: www.epa.gov/region7/

State:

Nebraska Department of Environmental Quality
Air and Waste Management Division
Joe Francis, Assistant Director
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Lincoln, NE 68509-8922
Telephone: (402) 471-0001
Fax: (402) 471-2909
E-Mail: deqstaff@doc.state.ne.us

Acid Deposition: Todd Ellis
Climate Change: Bret Anderson
Conformity: Darrel Harmon
Enforcement: Darrel Harmon

External Relations: Joe Francis
Implementation Plans: Shelley Kaderly
Mobile Sources: Brent Luebbe
Monitoring: Linda McCrory
New Source Review: Ken Almquist
Ozone/Carbon Monoxide: Linda McCrory
Particulate Matter: Bret Anderson
Permitting: Ken Almquist
Pollution Prevention: Ben Hammerschmidt
Program Funding: Shelley Kaderly
Public Information: Brian McManus
Stratospheric Ozone: Harry Dingman
Toxics: Susan Fields
Training: David Meierhenry
Transportation: Darrel Harmon

Home Pages:

<http://www.deqstaff@doc.state.ne.us>
Nebraska Dept of Environmental Quality, Air Quality Program

<http://www.nrc.state.ne.us/>
Nebraska Natural Resources Commission

<http://ngp.ngpc.state.ne.us/gp.html>
Nebraska Game and Parks Commission

Local:

Lincoln-Lancaster County Health Department
Environmental Health Division
Air Programs
Marcia Willhite, Assistant Chief
3140 N Street
Lincoln, NE 68510-7514
Telephone: (402) 441-8188
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City of Omaha Air Quality Control Division
Chester Black, Air Quality Control Manager
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Small Business Assistance Program:

Nebraska Department of Environmental Quality
Dan Eddinger, Ombudsman/Technical Programs
P.O. Box 98922
Lincoln, NE 68509-8922
Telephone: (402) 471-3413
Fax: (402) 471-2909

Lincoln/Lancaster County
Department of Health
Rick Yoder, Technical Programs
3140 N. Street
Lincoln, NE 68510
Telephone: (402) 441-8145
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1997 Air Toxics Point of Contacts

Nevada

Home Pages: <http://www.state.nv.us/>

EPA:

Region IX
Air Division
75 Hawthorne Street
San Francisco, CA 94105
Telephone: 415-744-1200
Fax: 415-744-1076
Home Page: www.epa.gov/region9/

State:

Nevada Division of Environmental Protection
Bureau of Air Quality
Jolaine Johnson, Bureau Chief
333 West Nye Lane
Carson City, NV 89710
Telephone: (702) 687-4670
Fax: (702) 687-6396

Acid Deposition: Tom Porta
Conformity: Tom Porta
Enforcement: Tom Porta
Implementation Plans: Tom Porta
Mobile Sources: Ed Glick
Monitoring: Robert Smith
New Source Review: Mike Elges
Particulate Matter: Robert Smith
Permitting: Don Del Porto
Pollution Prevention: Ralph Capurro
Program Funding: Jolaine Johnson
Public Information: Tom Porta
Toxics: Don Del Porto
Training: Tom Porta

Local:

Clark County Health District Air Pollution Control Division
Michael H. Naylor, Director
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Las Vegas, NV 89127
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Washoe County District Health Department
Air Quality Management Division
Brian L. Jennison, Director
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Small Business Assistance Program:

Nevada Division of Environmental Protection
Small Business Programs
David Cowperthwaite, Technical Programs
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New Hampshire

Home Page: <http://www.state.nh.us/>

EPA:

Region I
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Home Page: www.epa.gov/region01/

State:

New Hampshire Department of Environmental Services
Air Resources Division
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64 North Main Street
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Concord, NH 03301
Telephone: (603) 271-1370
Fax: (603) 271-1381
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Acid Deposition: Thomas Noel
Climate Change: Thomas Noel
Conformity: Kent Finemore/Kathy Brockett
Enforcement: Max Hilgemeier
Implementation Plans: Thomas Noel
Mobile Sources: Kent Finemore
Monitoring: Paul Sanborn
New Source Review: Andrew Bodnarik/Craig Wright
Ozone/Carbon Monoxide: Kent Finemore
Particulate Matter: Kenneth Colburn/Paul Sanborn
Permitting: Andrew Bodnarik
Pollution Prevention: Kathy Brockett
Program Funding: Thomas Noel
Public Information: Chuck Knox
Stratospheric Ozone: Kathy Brockett
Toxics: Richard Andrews
Training: Kathy Brockett
Transportation: Kent Finemore

Home Pages:
<http://www.state.nh.us/des/discover.htm>
Department of Environmental Services

<http://www.state.nh.us/puc/puc.html>
Public Utilities Commission

Small Business Assistance Program:

New Hampshire Department of Environmental Services
Air Resources Division
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1997 Air Toxics Point of Contacts

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New Jersey

Home Page: <http://www.state.nj.us/>

EPA:

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Home Page: www.epa.gov/region02/

State:

New Jersey Department of Environmental Protection
Office of Air Quality Management
John Elston, Administrator
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Acid Deposition: Iclal Atay
Climate Change: Chris Salmi
Conformity: Chris Salmi
Enforcement: Donald Patterson
Implementation Plans: Chris Salmi
Mobile Sources: David West
Monitoring: Charles Pietarinen
New Source Review: Lou Mikolajczyk
Ozone/Carbon Monoxide: Chris Salmi
Particulate Matter: Joann Held/Charles Pietarinen
Permitting: Bill O'Sullivan
Program Funding: John Elston
Public Information: Elaine Makatura/Donna DeLeon
Stratospheric Ozone: Chris Salmi
Toxics: Olga Boyko/ Joann Held
Transportation: Chris Salmi

Home Pages:
<http://www.state.nj.us/dep/airmon/index.htm>
New Jersey Office of Air Quality Management

<http://www.state.nj.us/dep/>
Department of Environmental Protection

<http://pilot.njin.net/~pgalka/index.html>
Board of Public Utilities

Local:

Essex Regional Health Commission
Lester Jones, Deputy Director
2 Babcock Place

West Orange, NJ 07052
Telephone: (201) 325-3212
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Elizabeth Department of Health
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Hudson Regional Health Commission
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Middlesex County Health Department Air Pollution Control Program
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Small Business Assistance Program:

New Jersey Department of Environmental Protection
Office of Permit Information and Assistance
Chuck McCarty, Technical Programs
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New Mexico

Home Page: <http://www.state.nm.us/>

EPA:

Region VI
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Home Page: www.epa.gov/region6

State:

New Mexico Environment Department
Environmental Protection Division
Air Quality Bureau
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1997 Air Toxics Point of Contacts

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Acid Deposition: Erik Aaboe
Conformity: Lany Weaver
Enforcement: Debby Brinkerhoff
Implementation Plans: Lany Weaver
Mobile Sources: Cecilia Williams/Erik Aaboe
Monitoring: Martin Rinaldi
New Source Review: Jim Shively
Ozone/Carbon Monoxide: Martin Rinaldi
Particulate Matter: Jim Nellessen
Permitting: Richard Goodyear
Program Funding: Cecilia Williams
Training: Martin Rinaldi
Transportation: Cecilia Williams

Local:

City of Albuquerque
Environmental Health Department
Air Pollution Control Division
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Small Business Assistance Program:

New Mexico Environmental Division
Air Quality Board
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New York

Home Page: <http://www.state.ny.us/>

EPA:

Region II
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Home Page: www.epa.gov/region02/

State:

New York Department of Environmental Conservation
Division of Air Resources
Director: Vacant
50 Wolf Road
Albany, NY 12233-3250
Telephone: (518) 457-7230
Fax: (518) 457-0794

Acid Deposition: Ed Bennett

Climate Change: S.T. Rao
Conformity: Bob Hampston
Enforcement: Neil Isabelle
Implementation Plans: David Shaw
Mobile Sources: Richard Gibbs
Monitoring: Phil Galvin
New Source Review: John Higgins
Ozone/Carbon Monoxide: David Shaw
Particulate Matter: David Shaw
Permitting/Title V: John Higgins
Program Funding: Kristine Kelly
Public Information: Barbara Allen
Stratospheric Ozone: S.T. Rao
Toxics: Patrick Lavin/Tom Gentile
Training: Steve Betts
Transportation: Bob Hampston/Dave Shaw

Home Pages:

<http://nyslgti.gen.ny.us/nystate/EnCon/EnCon.html>
Department of Environmental Conservation

<http://www.dps.state.ny.us>
New York Public Service Commission

Local:

Albany County Health Department
Environmental Health Services
Stephen S. Lukowski, Director
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Erie County Department of Environment and Planning
Michael Raab, Deputy Commissioner
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Buffalo, NY 14202
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City of New York Department of Environmental
Protection
Bureau of Air Policy and Programs
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Suffolk County Department of Health Services
Air Pollution Control
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15 Horseblock Place
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Nassau County Department of Health
Bureau of Environmental Management
Malena Hammond, Director
240 Old Country Road

1997 Air Toxics Point of Contacts

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Interstate Sanitation Commission
New York Metropolitan Area
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Niagara County Health Department
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Rockland County Department of Health
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Onondaga County Department of Health -
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Westchester County Department of Health
Bureau of Environmental Quality
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Hawthorne, NY 10532
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Small Business Assistance Program:

New York Department of Environmental Conservation
Division of Air Resources
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North Carolina

Home Page: <http://www.state.nc.us/>

EPA:

Region IV
Lee Page, Air Toxics Coordinator
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Home Page: www.epa.gov/region4/

State:

North Carolina Department of Environment, Health, and
Natural Resources
Division of Air Quality
Alan Klimek, Director
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Acid Deposition: Brock Nicholson
Climate Change: Russell Hageman
Conformity: Brock Nicholson
Enforcement: Lee A. Daniel
Implementation Plans: Brock Nicholson
Indoor Air Pollution: Russell Hageman
Mobile Sources: Donnie Redmond
Monitoring: George C. Murray
New Source Review: Laura S. Butler
Ozone/Carbon Monoxide: Brock Nicholson
Particulate Matter: Brock Nicholson
Permitting: Laura S. Butler
Pollution Prevention: Russell Hageman
Program Funding: Russell Hageman
Public Information: Don Reuter
Stratospheric Ozone: Russell Hageman
Toxics: Lori Cherry
Training: Lori Cherry
Transportation: Brock Nicholson

Home Page:
<http://www.state.nc.us/>
North Carolina

<http://pluto.ehnr.state.nc.us/airhome.html>
Division of Environmental Management - Air Quality
Section

<http://www.ehnr.state.nc.us/EHNR/>
North Carolina Department of Environment, Health, and
Natural Resources

<http://www.deh.ehnr.state.nc.us/>
Division of Environmental Health

<http://www.owr.ehnr.state.nc.us/wrrc1.htm>
North Carolina Office Of Waste Reduction Resource
Center

Local:

Western North Carolina Regional Air Pollution Control
Agency
James L. Cody, Director
49 Mt. Carmel Rd.

1997 Air Toxics Point of Contacts

Asheville, NC 28806
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Mecklenburg County Department of Environmental Protection
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Home Page:
<http://www.charmeck.nc.us/coenv/home.htm>

Cumberland County Health Department
Environmental Health Division
Lacy Williams, Jr., Director
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Guilford County Department of Public Health
Environmental Health
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Cleveland County Health Department
Irvin M. Allen, Environmental Health Director
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Forsyth County Environmental Affairs
Robert R. Fulp, Director
537 North Spruce Street
Winston-Salem, NC 27101
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Small Business Assistance Program:
North Carolina Department of Health and Natural Resources
Jin Johnson, Technical Programs
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North Dakota

Home Page: <http://www.state.nd.us/>

EPA:
Region VIII

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State:
North Dakota Department of Health
Division of Environmental Engineering
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Acid Deposition: Charles McDonald
Climate Change: Charles McDonald
Conformity: Terry O'Clair/Steve Weber
Enforcement: Bill Delmore
Implementation Plans: Terry O'Clair
Indoor Air Pollution: Mike Reiner
Mobile Sources: Tom Bachman
Monitoring: Dan Harman
New Source Review: Tom Bachman
Ozone/Carbon Monoxide: Dan Harman
Particulate Matter: Charles McDonald
Permitting: Tom Bachman
Program Funding: Dana K. Mount
Public Information: Terry O'Clair
Stratospheric Ozone: Steve Smokey
Toxics: Craig Thorstenson
Training: Terry O'Clair
Transportation: Steve Weber

Home Pages:
<http://www.state.nd.us/>
North Dakota

<http://165.234.109.13/ndhd/index.htm>
North Dakota State Health Department

Small Business Assistance Program:
North Dakota Department of Health
Division of Environmental Engineering
Tom Bachman, Technical Programs
1200 Missouri Ave.
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Bismarck, ND 58502
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Ohio

Home Page: <http://www.state.oh.us/>

EPA:

1997 Air Toxics Point of Contacts

Region V
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Home Page: www.epa.gov/region5/

State:

Ohio Environmental Protection Agency
Division of Air Pollution Control
Chief: Robert Hodanbosi, Chief
P.O. Box 1049
Columbus, OH 43216-0149
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Acid Deposition: Bill Spires
Climate Change: Bill Spires
Conformity: Che' Brewer-Coon/Harry Judson
Enforcement: Jim Orlemann
Implementation Plans: Jim Orlemann
Mobile Sources: Tom Rigo
Monitoring: Randy Hock
New Source Review: Mike Hopkins
Ozone/Carbon Monoxide: Mike Hopkins
Particulate Matter: Jim Orlemann
Permitting: Clara Dailey
Program Funding: Robert Hodanbosi
Public Information: Patricia Madigan
Stratospheric Ozone: Bill Spires
Toxics: Paul Koval
Training: Tammy Beets
Transportation: Che' Brewer-Coon/Harry Judson

Home Pages:
<http://www.epa.ohio.gov/dapc/dapcmain.html>
Ohio EPA - Division of Air Pollution Control

<http://www.epa.ohio.gov/oepa.html>
Ohio Environmental Protection Agency

<http://www.epa.ohio.gov/opp/oppmain.html>
Office of Pollution Prevention

<http://mabel.puc.ohio.gov/>
Public Utilities Commission of Ohio

Local:

Akron Regional Air Quality Management District
Lynn Malcolm, Administrator
177 South Broadway
Akron, OH 44308
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Canton City Health Department
Air Pollution Control Division
Bruce E. Blankenship, Administrator
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Canton, OH 44702-1544
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Hamilton County Department of Environmental Services
Air Quality Programs
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City of Cincinnati
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City of Cleveland
Division of the Environment
Carolyn Wallace, Acting Commissioner
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Regional Air Pollution Control Agency
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Lake County General Health District
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Portsmouth Local Air Agency
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North Ohio Valley Air Authority
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City of Toledo - Division of Environmental Services

1997 Air Toxics Point of Contacts

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Mahoning-Trumbull Air Pollution Control Agency
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9 West Front Street
Youngstown, OH 44503
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Small Business Assistance Program:

Ohio Environmental Protection Agency
Division of Air Pollution Control
Rick Carleski, Technical Programs
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Oklahoma

Home Page: <http://www.state.ok.us/>

EPA:

Region VI
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Home Page: www.epa.gov/region6/

State:

Oklahoma Department of Environmental Quality
Air Quality Division
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Acid Deposition: Don Whitney
Enforcement: Linn Wainner
Implementation Plans: Scott Thomas
Mobile Sources: Scott Thomas
New Source Review: Ray Bishop
Ozone/Carbon Monoxide: Scott Thomas
Particulate Matter: Scott Thomas
Permitting: Ray Bishop
Program Funding: Larry Byrum
Public Information: Ellen Bussert

Stratospheric Ozone: Shawna McWaters- Khalousi
Toxics: Evelina Morales
Training: David Dyke
Transportation: Scott Thomas

Home Pages:

<http://www.state.ok.us/~conscom/>
Oklahoma Conservation Commission

Local:

City-County Health Department of Oklahoma City
Environmental Program
Karen Hrbacek, Program Administrator
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Oklahoma City, OK 73105
Telephone: (405) 425-4311
Fax: (405) 427-3233

Tulsa City-County Health Department Air Quality
Gary Cox, Director
4616 East 15th Street
Tulsa, OK 74112
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Small Business Assistance Program:

Oklahoma Department of Environmental Quality
Alwing Nigh, Technical Programs
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1997 Air Toxics Point of Contacts

Oregon

Home Page: <http://www.state.or.us/>

EPA:

Region X

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Home Page: www.epa.gov/region10/

State:

Oregon Department of Environmental Quality

Air Quality Division

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Conformity: Annette Liebe

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Implementation Plans: John Kowalczyk/Andy Ginsburg

Mobile Sources: Howard Harris

Monitoring: Monica Russell

New Source Review: Dave Kauth

Ozone/Carbon Monoxide: Andy Ginsburg/Howard Harris

Particulate Matter: Brian Finneran/David Collier

Permitting: John Ruscigno

Program Funding: Gregory A. Green

Public Information: Marcia Danab

Stratospheric Ozone: Dave Wall

Title V: Josh Weber

Toxics: Gregg Lande

Training: Bruce Arnold

Transportation: Howard Harris

Home Pages:

<http://www.dfw.state.or.us>

Oregon Department of Fish and Wildlife

Local:

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Small Business Assistance Program:

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Pennsylvania

Home Page: <http://www.state.pa.us/>

EPA:

Region III

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State:

Pennsylvania Department of Environmental Resources

Bureau of Air Quality Control

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Acid Deposition: Gary Lenz

Climate Change: Merlin Zook

Conformity: Robert Kulp

Enforcement: Robert Kulp

Implementation Plans: Wick Havens

Indoor Air Pollution: Ralph Scanlin

Mobile Sources: Wick Havens

Monitoring: Blaine DeHaven

New Source Review: Doug Leshner/Krish Ramamurthy

Ozone/Carbon Monoxide: Wick Havens

Particulate Matter: Wick Havens

Permitting: Doug Leshner/John Slade

Program Funding: Rick St. Louis

Public Information: Heidi Hoover

Stratospheric Ozone: Jeff Miller

Toxics: Robert Kulp

Training: Kathy Pounds

Transportation: Jay Walters

Home Pages:

<http://www.dep.state.pa.us/dep/deputate/airwaste/airwaste/default.htm>

Department of Environmental Protection - Bureau of Air Quality

<http://www.dep.state.pa.us/dep/deputate/airwaste/airwaste/Dir ect.htm>

Director's Office

<http://www.dep.state.pa.us/dep/deputate/airwaste/airwaste/As stDir.htm>

Assistant Director's Office

1997 Air Toxics Point of Contacts

<http://www.dep.state.pa.us/dep/deputate/airwaste/aq/AR.M.htm>
Division of Air Resource Management

<http://www.dep.state.pa.us/dep/deputate/airwaste/aq/AQ.M.htm>
Division of Air Quality Monitoring

<http://www.dep.state.pa.us/dep/deputate/airwaste/aq/ST.M.htm>
Division of Source Testing and Monitoring

<http://www.dep.state.pa.us/dep/deputate/airwaste/aq/Permits.htm>
Division of Permits

<http://www.dep.state.pa.us/dep/deputate/airwaste/aq/CE.htm>
Division of Compliance and Enforcement

<http://www.dep.state.pa.us>
Department of Environmental Protection

Local:

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Allegheny County Health Department
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Small Business Assistance Program:

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Rhode Island

Home Page: <http://www.state.ri.us/>

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State:

Rhode Island Department of Environmental Management
Division of Air Resources
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Acid Deposition: Douglas L. McVay
Conformity: Karen Slattery
Enforcement: Edward Burns
Implementation Plans: Barbara Morin
Mobile Sources: Stephen Majkut
Monitoring: John Cucco
New Source Review: Douglas L. McVay
Ozone/Carbon Monoxide: Barbara Morin
Particulate Matter: Barbara Morin
Pollution Prevention: Stephen Majkut
Permitting: Douglas L. McVay
Program Funding: Stephen Majkut
Public Information: Stephanie Powell
Stratospheric Ozone: Edward Burns
Toxics: Barbara Morin
Training: Edward Burns
Transportation: Karen Slattery

Home Pages:

<http://www.state.ri.us/stdept/sd27.htm>
Department of Environmental Management

Small Business Assistance Program:

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South Carolina

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1997 Air Toxics Point of Contacts

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Climate Change: John Hursey
Conformity: Dennis Camit
Enforcement: Dick Sharpe
Implementation Plans: Renee Shealy
Indoor Air Pollution: Dick Sharpe
Mobile Sources: Dakin MacPhail
Monitoring: Scott Reynolds
New Source Review: Carl Richardson
Ozone/Carbon Monoxide: John Hursey
Particulate Matter: John Hursey
Permitting: Carl Richardson
Pollution Prevention: John Hursey
Program Funding: Bill Galardi
Public Information: Susan Provence
Stratospheric Ozone: John Hursey
Toxics: Rhonda Banks
Training: Dennis Camit
Transportation: Renee Shealy

Home Pages:

[http://www.state.sc.us/dhec/eqchome.htm#Bureau of Air Quality](http://www.state.sc.us/dhec/eqchome.htm#Bureau%20of%20Air%20Quality)
Bureau of Air Quality

<http://www.state.sc.us/dhec/>
Department of Health and Environmental Control

<http://www.state.sc.us/dhec/eqchome.htm>
Environmental Quality Control

<http://homepage.interaccess.com/~scotte/apr/states/statessc.htm>
South Carolina Air Quality Management Resources

Small Business Assistance Program:

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State:

South Dakota Department of Environment and Natural Resources
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Implementation Plans: Brian Gustafson
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Monitoring: Brad Schultz
New Source Review: Brian Gustafson
Ozone/Carbon Monoxide: Brad Schultz
Particulate Matter: Brad Schultz
Permitting: Brian Gustafson
Pollution Prevention: Brad Schultz
Program Funding: Tim Tollefsrud
Public Information: Brad Schultz
Stratospheric Ozone: Michele Farris
Toxics: Brian Gustafson
Training: Max Valler

Home Pages:

<http://www.state.sd.us/state/executive/denr/denr.html>
South Dakota Department of Environment and Natural Resources

<http://www.state.sd.us/state/executive/puc/puc.htm>
South Dakota Public Utilities Commission

Small Business Assistance Program:

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1997 Air Toxics Point of Contacts

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State:

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Enforcement: James A. Reid

Implementation Plans: John D. Patton

Indoor Air Pollution: Jackie L. Waynick

Mobile Sources: Vicki L. Lowe

Monitoring: Jackie L. Waynick

New Source Review: David G. Carson

Ozone/Carbon Monoxide: John D. Patton

Particulate Matter: Jeryl W. Stewart

Permitting: Barry R. Stephens

Program Funding: C. Ron Culberson

Public Information: C. Ron Culberson

Stratospheric Ozone: Jackie L. Waynick

Toxics: John D. Patton

Training: C. Ron Culberson

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Home Pages:

<http://www.inaugural.state.tn.us/hp/sundquist/envIRON.html>

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1997 Air Toxics Point of Contacts

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Monitoring: Scott Mgebroff
New Source Review: Victoria Hsu
Ozone/Carbon Monoxide: Herb Williams
Particulate Matter: Alan (Buddy) Henderson
Permitting: Jeff Saitas
Pollution Prevention: Andrew Neblett
Program Funding: Paul Henry
Public Information: Steve Davis
Toxics: Robert Todd
Training: Teresa Bayoud
Transportation: Al Giles

Home Pages:
<http://www.tnrcc.texas.gov/air/index.html>
Air Quality Office<

<http://www.tnrcc.texas.gov/>
Texas Natural Resources Conservation Commission
(TNRCC)

http://www.tnrcc.texas.gov/air/aqp/aqp_home.htm
Air Quality Planning Division

http://www.tnrcc.texas.gov/air/aqp/ei_home.htm
Emissions Inventory

http://www.tnrcc.texas.gov/air/aqp/mod_home.htm
Modeling

http://www.tnrcc.texas.gov/air/aqp/tech_hm.htm
Technical Services

<http://www.tnrcc.texas.gov/air/erc/embank.htm>
Emission Reduction Credits Bank Report

<http://puc.texas.gov/>
Public Utility Commission of Texas

Local:

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Pollution Control Department
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Lubbock City Health Department
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Lubbock, TX 79408
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Harris County Pollution Control
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San Antonio Metropolitan Health District
Environmental Services
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San Antonio, TX 78205
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Small Business Assistance Program:

Texas Natural Resource Conservation Commission
Small Business Assistance
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1997 Air Toxics Point of Contacts

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Home Page: www.epa.gov/region8/

State:

Utah Department of Environmental Quality
Division of Air Quality
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Acid Deposition: Marv Maxell
Climate Change: Brock LeBaron
Conformity: David McNeill
Enforcement: Jeff Dean
Implementation Plans: David McNeill
Indoor Air Pollution: Steve Packham
Mobile Sources: Barbara Cole
Monitoring: Robert Dalley
New Source Review: Lynn Menlove
Ozone/Carbon Monoxide: David McNeill
Particulate Matter: Montie Keller
Permitting: Scott Manzano
Program Funding: Dan Kirkpatrick
Public Information: Carol Sisco
Stratospheric Ozone: David McNeill
Toxics: Steven Packham
Training: Montie Keller/Marv Maxell
Transportation: David McNeill

Home Pages:
http://www.eq.state.ut.us/eqair/aq_home.htm
Division of Air Quality

<http://www.eq.state.ut.us/eqair/planning/sip.htm>
Division of Air Quality State Implementation Plan

<http://www.eq.state.ut.us/eqamc/amc.htm>
Air Monitoring Center

<http://www.eq.state.ut.us>
Department of Environmental Quality

<http://www.eq.state.ut.us/eqamc/data.htm#slams>
Annual Data Summary of State and Local Air Monitoring

Systems in Utah

Local:

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Division of Air Quality
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Vermont

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Region I
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State:

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Acid Deposition: Richard Poirot
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Implementation Plans: Paul Wishinski
Mobile Sources: Tom Moyer
Monitoring: George Apgar
New Source Review: Brian Fitzgerald
Ozone/Carbon Monoxide: Harold Garabedian
Particulate Matter: Paul Wishinski
Permitting: Brian Fitzgerald
Program Funding: Richard Valentinetti
Public Information: Harold Garabedian

1997 Air Toxics Point of Contacts

Stratospheric Ozone: Harold Garabedian

Toxics: Brian Fitzgerald

Training: Harold Garabedian

Home Pages:

<http://www.cit.state.vt.us:80/anr/dec/air/apcdhome.htm>
Vermont Air Pollution Control Division

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Virginia Department of Environmental Quality

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Enforcement: John E. Schubert

Implementation Plans: Robert A. Mann

Indoor Air Pollution: Karen Sabasteanski

Mobile Sources: Richard Olin

Monitoring: Marshall Ervine

New Source Review: Robert Beasley

Ozone/Carbon Monoxide: Robert Mann/Kirit

Chaudhari/Jim Sydnor

Particulate Matter: Robert A. Mann

Permitting: Robert Beasley

Pollution Prevention: Richard Rasmussen

Program Funding: Francis Campbell

Public Information: Chuck Epps

Stratospheric Ozone: Gordon Kerby

Toxics: Gordon Kerby/Tamera Thompson

Training: Pat Vanderland

Transportation: Jim Sydnor/Tom Ballou

Home Pages:

<http://www.state.va.us/envprog/airqual.html>
Virginia Air Quality Division

<http://www.deq.state.va.us/>

Virginia Department of Environmental Quality

<http://www.state.va.us/home/governmt.html>

Virginia State Government

Local:

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1997 Air Toxics Point of Contacts

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Implementation Plans: Dan Johnson
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Monitoring: Bob Miller
New Source Review: Tom Todd
Ozone/Carbon Monoxide: Dan Johnson
Particulate Matter: Dan Johnson
Permitting: Tom Todd
Program Funding: Joseph Williams
Public Information: Phyllis Baas
Stratospheric Ozone: Dan Johnson
Toxics: Cris Figueroa
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Transportation: Paul Carr

Home Pages:
<http://www.wa.gov/dnr/>
Washington State Department of Natural Resources

<http://www.wa.gov/ecology/>
Washington State Department of Ecology

<http://eicbbs.wseo.wa.gov/>
Washington State Energy Office

<http://www.webcom.com/~d13www/nwac.html>
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Home Page: <http://www.psapca.org>

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Fax: (509) 459-6828
E-Mail: scapca@iea.com

Southwest Air Pollution Control Authority
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Vancouver, WA 98685-2747
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Fax: (360) 576-0925

Yakima County Clean Air Authority
Les Ornelas, Executive Director
Larsen Building
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Fax: (509) 575-1411

Small Business Assistance Program:

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Air Quality Program
Bernard Brday, Technical Programs
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1997 Air Toxics Point of Contacts

West Virginia

Home Page: <http://www.state.wv.us>

EPA:

Region III
Dianne Walker, Air Toxics Coordinator
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Telephone: 215-566-3297
Fax: 215-566-2114
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Home Page: www.epa.gov/region03/

State:

West Virginia Division of Environmental Protection
Office of Air Quality
G. Dale Farley, Chief
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Acid Deposition: Jesse Atkins
Climate Change: G. Dale Farley
Conformity: John Benedict
Enforcement: John Johnston
Implementation Plans: John Benedict
Mobile Sources: John Benedict
Monitoring: Charles Spann
New Source Review: Leonard Womble
Ozone/Carbon Monoxide: John Benedict
Particulate Matter: John Benedict
Permitting: Leonard Womble
Program Funding: G. Dale Farley
Public Information: Jeanne Chandler
Stratospheric Ozone: G. Dale Farley
Toxics: Leonard Womble
Training: G. Dale Farley
Transportation: G. Dale Farley

Home Pages:
<http://crimson.osmre.gov/>
West Virginia Environmental Protection Agency

Small Business Assistance Program:

West Virginia Office of Air Quality
Fred Durham, Technical Programs
1558 Washington Street East
Chareston, WV 25302
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Wisconsin

Home Page: <http://www.state.wi.us/>

EPA:

Region V
Bruce Varner, Air Toxics Coordinator
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Home Page: www.epa.gov/region5/

State:

Wisconsin Department of Natural Resources
Bureau of Air Management (AM/10)
Donald F. Theiler, Director
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E-Mail: theild@dnr.state.wi.us

Acid Deposition: Jon Heinrich
Climate Change: Eric Mosher
Conformity: John Duffe
Enforcement: Dean Packard
Implementation Plans: Jon Heinrich
Indoor Air Pollution: Tom Sheffy
Mobile Sources: Bob Lopez
Monitoring: Tom Sheffy
New Source Review: Dale Ziege
Ozone/Carbon Monoxide: Larry Bruss
Particulate Matter: Jon Heinrich
Permitting: Dale Ziege
Program Funding: Robert Belongia
Public Information: Anne Bogar
Stratospheric Ozone: Eric Mosher
Toxics: Lloyd Eagan
Training: Sheri Stach
Transportation: John Duffe

Home Pages:
<http://www.dnr.state.wi.us/eq/air/>
Division of Air and Waste Management

<http://www.dnr.state.wi.us/>
Wisconsin Department of Natural Resources

<http://badger.state.wi.us:70/1/agencies/psc>
Wisconsin Public Service Commission

Local:

Eau Claire City-County Health Department
Environmental Health
Darryll D. Farmer, Director
720 2nd Avenue
Eau Claire, WI 54703
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Fax: (715) 839-1674

Fond Du Lac Inspection Services
Rod Hisel, Laboratory Director
160 South Macy Street, P.O. Box 150
Fond Du Lac, WI 54936-0150
Telephone: (414) 929-3275

Madison Department of Public Health

1997 Air Toxics Point of Contacts

Environmental Health and Laboratories
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Fax: (608) 266-4858

Milwaukee County Environmental Services
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Small Business Assistance Program:
Wisconsin Clean Air Assistance Program
Pam Christenson, Technical Programs
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Wyoming

Home Page: <http://www.state.wy.us/>

EPA:
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Home Page: www.epa.gov/region8/

State:
Wyoming Department of Environmental Quality
Air Quality Division
Charles Collins, Administrator
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Acid Deposition: Charles Collins
Climate Change: Charles Collins
Conformity: Tina Jenkins
Enforcement: Charles Collins
Implementation Plans: Bernie Dailey
Indoor Air Pollution: Gerald Blackwell
Monitoring: Bob Schick
New Source Review: Bernie Dailey
Ozone/Carbon Monoxide: Mark Arn
Particulate Matter: Bernie Dailey/Tina Jenkins
Permitting: Dan Olson
Pollution Prevention: Chuck Ruffelson

Program Funding: Charles Collins
Stratospheric Ozone: Mark Arn
Toxics: Bernie Dailey
Training: Bob Schick
Transportation: Tina Jenkins

Home Pages:
http://www.state.wy.us/state/government/state_agencies/text_deq.html
Department of Environmental Quality

Small Business Assistance Program:
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Region IX
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Fax: 415-744-1076
Home Page: www.epa.gov/region9/

Territory:
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Territory:
Guam Environmental Protection Agency Air Pollution Program
Jose L.G. Techaira, Director
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1997 Air Toxics Point of Contacts

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Puerto Rico

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EPA:

Region II

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Home Page: www.epa.gov/region02/

Territory:

Puerto Rico Environmental Quality Board

Air Program

Francisco Claudio, Director

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Hatorey, Puerto Rico 00917

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Fax: (809) 756-5906

Home Pages:

<http://fortaleza.govpr.org/gobierno/renaa.htm>

Department of Natural Resources and the Environment

<http://fortaleza.govpr.org/gobierno/renaa.htm>

Department of Energy

<http://fortaleza.govpr.org/gobierno/adrnat.htm>

Natural Resources Administration

Small Business Assistance Program:

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Maria Rivera, Technical Programs

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U.S. Virgin Islands

Home Page: /

EPA:

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Home Page: www.epa.gov/region02/

Territory:

Virgin Islands Department of Planning and Natural

Resources

Angela Arnolds, Environmental Protection Specialist

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1997 Air Toxics Point of Contacts

Tribal Operations:

In order to improve communications and build stronger partnerships with the Tribes, the U.S. Environmental Protection Agency (EPA) established a Tribal Operations Committee in February 1994. The Tribal Operations Committee (TOC) is comprised of 19 Tribal Leaders or their Environmental Program Managers (referred to as the Tribal Caucus) and EPA's Senior Leadership Team, including the Administrator, the Deputy Administrator and the Agency's Assistant Administrators and Regional Administrators.

The TOC meets on a regular basis to discuss implementation of the environmental protection programs for which EPA and the Tribes share responsibility as co-regulators. All Tribes are encouraged to communicate with members of the TOC Tribal Caucus. The current membership of the TOC Tribal Caucus is as follows:

TRIBAL OPERATIONS COMMITTEE MEMBERS AS OF MAY 1996 (www.epa.gov/indian/overtoc.html)

Region I

John Banks
Phone: (207) 827-7776
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Region II

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Region IV

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Fax: (704) 497-2952

Calvin Murphy
Phone: (704) 497-6997
Fax: (704) 497-3615

Region V

Joe Young
Phone: (715) 478-7209
Fax: (715) 478-7225

Chairman Arlyn Ackley
Phone: (715) 478-2604
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Region VI

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Fax: (505) 883-7682

Everett Chavez
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Fax: (505) 883-7641

Chief Joe Byrd
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Fax: (918) 458-4299

Patrick Gwin
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Region VII

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Fax: (402) 837-5308

Mark Versch
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Rhonda Azure
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Bill Swaney
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Fax: (406) 675-2713

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Fax: (502) 871-7818

James Fletcher
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Fax: (909) 849-4425

Thomas Burton
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Fax: (702) 323-6404

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Fax: (208) 686-1182

1997 Air Toxics Point of Contacts

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Herbie Edwin
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Fax: (907) 366-7195

Chad Bowechop
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Fax: (360) 645-2033

Head Quarters
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Fax: (602) 248-0080

Caren Rothstein - EPA TOC Liaison
Phone: (202) 260-9872
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NOTE: The Tribal Operations Committee is an important and effective vehicle for enhancing communication between EPA and its Tribal co-regulators but is not a substitute for Agency consultation with individual Tribes in accordance with the Administration policy of working with Indian Tribes on a government-to-government basis.