United States
Environmental Protection
Agency

Air

Air Risk Information Support Center
Research Triangle Park, NC 27711

EPA 450/3-92-014
July 1992

EPA

Directory of Information Resources Related to Health, Exposure, and Risk Assessment of Air Pollutants

1992 Update

Office of Air Quality Planning and Standards
Clean Air
OAQPS

Air RISC

AIR RISK INFORMATION SUPPORT CENTER

DIRECTORY OF INFORMATION RESOURCES RELATED TO HEALTH, EXPOSURE, AND RISK ASSESSMENT OF AIR POLLUTANTS

Prepared by:

Air Risk Information Support Center (Air RISC)
U.S. Environmental Protection Agency
Research Triangle Park, NC 27711

Sponsored by:

Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711

Office of Health and Environmental Assessment
Research Triangle Park, NC 27711
Washington, DC 20460
Cincinnati, OH 45268

DISCLAIMER

This report has been reviewed by the Office of Air Quality Planning and Standards of the Office of Air and Radiation, and by the Office of Health and Environmental Assessment and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

TABLE OF CONTENTS

PREFACE xi
QUICK REFERENCE TO INFORMATION RESOURCES xiii

SECTION I: INFORMATION RESOURCES 1

EPA INFORMATION RESOURCES - PRIMARY SOURCES 2
1. Air Risk Information Support Center (Air RISC) 2
2. Control Technology Center (CTC) 3
3. Emergency Planning and Community Right-to-Know Information Hotline 4
4. Human Health Risk Assessment Technical Support Center for Superfund 5
5. Integrated Risk Information System (IRIS) 5
6. National Air Toxics Information Clearinghouse (NATICH) 6
7. Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hotline 7
8. Toxic Chemical Release Inventory Data Base (TRI) 8
9. Toxic Substances Control Act (TSCA) Assistance Information Service 9
EPA INFORMATION RESOURCES - SECONDARY SOURCES 10
10. Asbestos and Small Business Ombudsman's Office 10
11. Asbestos Hotline 10
12. Chemical Assessment Desk 10
13. Fuel and Fuel Additive Registration Program 12
14. Information Referral System (INFOTERRA) 12
15. Motor Vehicle Anti-Tampering Program 13
16. National Radon Hotline 13
17. Public Information Center (PIC) 14
18. Reasonably Available Control Technology (RACT)/Best Available Control Technology (BACT)/ Lowest Achievable Emission Rate (LAER) Clearinghouse 14
19. Risk Communication Hotline 15
20. Safe Drinking Water Hotline 16
21. U.S. Environmental Protection Agency - Library Services 16

NON-EPA INFORMATION RESOURCES 17
22. Cancer Information Service (CIS) 17
23. Chemical Transportation Emergency Center (CHEMTREC) 17
24. National Pesticide Telecommunications Network (NPTN) 17
25. National Response Center (NRC) Support Center and Hotline 18
26. Poison Control Centers 18

SECTION II: EPA OFFICES 21

OFFICE OF AIR AND RADIATION (OAR) 23
27. Office of Atmospheric and Indoor Air Programs (OAIAP) 23
27.1 Acid Rain Division 23
27.2 Global Change Division 24
27.3 Indoor Air Division 24
28. Office of Air Quality Planning and Standards (OAQPS) 25
28.1 Technical Support Division 25
28.1.1 Monitoring and Reports Branch (MRB) 26
28.1.2 Emission Measurement Branch (EMB) 26
28.1.3 Source Receptor Analysis Branch (SRAB) 26
28.1.4 National Air Data Branch (NADB) 27
28.2 Air Quality Management Division (AQMD) 27
28.2.1 Ambient Standards Branch 28
28.3 Emission Standards Division (ESD) 29
28.3.1 Chemicals and Petroleum Branch (CPB) 29
28.3.2 Industrial Studies Branch (ISB) 30
28.3.3 Pollutant Assessment Branch (PAB) 30
28.3.4 Standards Development Branch (SDB) 31
28.4 Stationary Source Compliance Division (SSCD) 31
29. Office of Mobile Sources (OMS) 32
29.1 Technical Support Staff 32
30. Office of Radiation Programs (ORP) 33
30.1 Bioeffects Analysis Branch 33
30.2 Air Standards and Economics Branch 34
30.3 Radon Division 34

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES (OPPTS) 34
31. Office of Pesticide Programs (OPP) 34
31.1 Health Effects Division (HED) 35
31.1.1 Occupational and Residential Exposure Branch (OREB) 35
31.1.2 Toxicology Branch (TOX) 35
31.2 Environmental Fate and Effects Division (EFED) 36
31.2.1 Environmental Fate and Groundwater Branch (EFGWB) 36
32. Office of Pollution Prevention and Toxics 36
32.1 Chemical Control Division (CCD) 37
32.2 Existing Chemical Assessment Division (ECAD) 37
32.3 Exposure Evaluation Division (EED) 38
32.4 Health and Environmental Review Division (HERD) 38
32.5 Information Management Division (IMD) 39
32.6 TSCA Assistance Information Service 39
OFFICE OF RESEARCH AND DEVELOPMENT (ORD) 40
33. Office of Modeling, Monitoring Systems, and Quality Assurance (OMMSQA) 40
33.1 Modeling and Monitoring Systems Staff 40
33.2 Atmospheric Research and Exposure Assessment Laboratory (AREAL) 41
33.3 Environmental Monitoring Systems Laboratory 42
34. Office of Technology Transfer and Regulatory Support (OTTRS) 42
34.1 Center for Environmental Research Information (CERI) 43
35. Office of Environmental Processes and Effects Research (OEPER) 43
35.1 Environmental Processes and Effects Staff 44
36. Office of Health and Environmental Assessment (OHEA) 44
36.1 Human Health Assessment Group (HHAG) 45
36.2 Exposure Assessment Group (EAG) 45
36.3 Environmental Criteria and Assessment Office–Cincinnati (ECAO-Cin) 45
36.4 Environmental Criteria and Assessment Office–Research Triangle Park (ECAO-RTP) .. 46
36.4.1 Indoor Air Research Program 47
37. Office of Health Research (OHR) 47
37.1 Health Effects Research Laboratory (HERL) 48
37.1.1 Genetic Toxicology Division (GTD) 48
37.1.2 Neurotoxicology Division (NTD) 49
37.1.3 Research Support Division (RSD) 49

37.1.4 Environmental Toxicology Division (ETD) 50
37.1.5 Developmental Toxicology Division (DTD) 50
37.1.6 Human Studies Division (HSD) 50
38. Risk Assessment Forum 51
OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE (OSWER) 52
39. Office of Emergency and Remedial Response (OERR) 52
39.1 Hazardous Site Control Division (HSCD) 52
39.2 Hazardous Site Evaluation Division (HSED) 52
39.3 Emergency Response Division (ERD) 53
39.4 Office of Program Management (OPM) 53
OFFICE OF THE ADMINISTRATOR 53
40. Office of Cooperative Environmental Management 53

SECTION III: EPA REGIONAL INFORMATION RESOURCES 55

SECTION IV: KEY REFERENCE MATERIALS 59

APPENDIX: DATA BASES CONTAINING INFORMATION RELATED TO HEALTH, EXPOSURE, AND RISK ASSESSMENT OF AIR POLLUTANTS A-1

INDEX

TABLES AND FIGURES

TABLE 1. EPA REGIONAL OFFICES 56
TABLE 2. REGIONAL CONTACTS IN FOUR KEY SUBJECT AREAS 58

FIGURE 1. EPA ORGANIZATION CHART 22
FIGURE 2. EPA REGIONAL OFFICES - COVERAGE BY STATE 57

- **Section III: EPA Regional Information Resources** - Regional Office general information numbers and appropriate contacts for air pollutants, library services, Superfund, and Resource Conservation and Recovery Act (RCRA) program offices are listed for each Region.

- **Section IV: Key Reference Materials** - References concerning health, exposure, and risk assessments for air pollutants (toxic and criteria) are listed. These resources include chemical profiles; occupational health and safety documents; health and exposure assessment documents; and risk assessment references.

- **Index** - Key subject areas are provided to serve as a quick reference to the resources and EPA offices listed in Sections I and II.

- **Appendix: Key Data Bases** - Data bases that are useful sources of health, exposure, and risk assessment information are listed and briefly described in the appendix. Information on accessing these data bases is also included.

This directory is intended as a reference source to be used as a starting point for accessing technical assistance and information relative to health, exposure, and risk assessments for air pollutants.

QUICK REFERENCE TO INFORMATION RESOURCES

Primary Sources

1. Air Risk Information Support Center (Air RISC). Provides technical assistance and information relative to health, exposure, and risk assessments for toxic and criteria air pollutants. 919-541-0888.

2. Control Technology Center (CTC). Provides engineering guidance and support on emission characterization and air pollution control technology. 919-541-0800.

3. Emergency Planning and Community Right-to-Know Information Hotline. Answers questions regarding the Emergency Planning and Community Right-to-Know Act (SARA Title III). 1-800-535-0202/703-920-9877.

4. Human Health Risk Assessment Technical Support Center for Superfund. Provides scientific support and technical assistance to Superfund for human health and risk assessment issues. 513-569-7300.

5. Integrated Risk Information System (IRIS). An on-line data base containing chemical-specific toxicity and regulatory information. 513-569-7254.

6. National Air Toxics Information Clearinghouse (NATICH). Assists in exchange of information about air toxics and the development of air toxics programs. The NATICH data base contains permitting data, ambient air monitoring data, and research and methods development information. 919-541-0850.

7. Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hotline. Explains EPA regulations and policy under the RCRA/CERCLA (Superfund) and Underground Storage Tanks (UST) programs. 1-800-424-9346/703-920-9810.

8. Toxic Chemical Release Inventory Data Base (TRI). Provides instructions on how to access and use the TRI data base. 202-260-8620. See Regional contacts listed on page 9.

9. Toxic Substances Control Act (TSCA) Assistance Information Service. Provides information on TSCA regulations. 202-554-1404.

Secondary Sources

10. Asbestos and Small Business Ombudsman's Office. Provides technical and regulatory information concerning asbestos abatement problems to small businesses. 1-800-368-5888/703-305-5938.

11. Asbestos Hotline. Provides technical information concerning asbestos abatement problems. 1-800-835-6700/202-554-1404.

12. Chemical Assessment Desk. Offers technical consultation and information on chemical risk-related issues, chemical toxicity, and environmental fate from the OTS Existing Chemicals Program. 202-260-3483. See Regional contacts listed on page 11.

13. Fuel and Fuel Additive Registration Program. Provides information regarding the description and registration of fuels and fuel additives. 202-260-8001.

14. Information Referral System (INFOTERRA). A global information system linking environmental decision-makers with scientific and technical data and expertise. 202-260-5917.

15. Motor Vehicle Anti-Tampering Program. Provides information pertaining to enforcement of tampering regulations (Clean Air Act), gasoline additives, and emission standards. 202-260-9040.

16. National Radon Hotline. Provides information about radon testing. 1-800-767-7236 (1-800-SOS-RADON).

17. Public Information Center (PIC). Answers inquiries from the public about EPA programs and activities. 202-260-2080.

18. Reasonably Available Control Technology(RACT) / Best Available Control Technology(BACT) /Lowest Achievable Emission Rate (LAER) Clearinghouse. Assists in exchanging information about RACT, BACT, and LAER determinations as established under the Clean Air Act. 919-541-5432.

19. Risk Communication Hotline. Provides information on risk communication, research, skill building, implementation, and evaluation. 202-260-5606.

20. Safe Drinking Water Hotline. Answers questions about the Safe Drinking Water Act (and its amendments), and EPA drinking water programs. 1-800-426-4791.

21. U.S. Environmental Protection Agency - Library Services. Supports EPA offices by providing information on chemical toxicity and all aspects of air pollution. 919-541-2777. See Regional contacts listed on page 58.

Non-EPA Sources

22. Cancer Information Service. Answers general questions about the relationship of indoor air pollution and cancer, and the treatment, diagnosis, and prevention of cancer. 1-800-4-CANCER.

23. Chemical Transportation Emergency Center (CHEMTREC). Provides assistance to chemical shippers, handlers, and emergency responders in problem situations. 1-800-424-9300.

24. National Pesticide Telecommunications Network (NPTN). Provides information about pesticide products, poisonings, safety information, and cleanup and disposal procedures. 1-800-858-7378.

25. National Response Center (NRC) Support Center and Hotline. Responds to phone calls regarding accidental releases of oil and hazardous substances; calls to NRC satisfy the reporting requirements of Federal regulations such as Superfund. 1-800-424-8802/202-267-2675.

26. Poison Control Centers. Answer specific questions about situations involving poisons. See contacts listed on page 19.

SECTION I

INFORMATION RESOURCES

Section I describes 21 primary and secondary sources of information (e.g., clearinghouses, hotlines) sponsored by EPA as well as useful information services available through other organizations. The EPA primary information sources are easily accessed by State and local agencies and can provide information on a wide range of topics related to air pollutants or health, exposure, and risk assessments. EPA secondary information sources do not deal specifically with air pollution issues but may be useful for obtaining information on related topics. For some of these sources (e.g., Chemical Assessment Desk, see page 11), State and local agencies should work with the appropriate EPA Regional Office to receive the necessary information. Five non-EPA information services are also described in Section I. These sources may provide useful information on air pollutants, emergency response activities, and other related topics.

A summary of these information sources is provided at the end of the introduction (page xiii). This summary may be removed from the directory and posted for convenient reference. Also, each informational resource is numbered; these numbers are used in the directory's index to direct readers to resources that provide information on specific subject areas.

EPA INFORMATION RESOURCES - PRIMARY SOURCES

1. <u>Air Risk Information Support Center (Air RISC)</u>

Office of Air Quality Planning and Standards (MD-13)
U.S. EPA
Research Triangle Park, NC 27711

Office of Health and Environmental Assessment (RD-689)
U.S. EPA
Washington, DC 20460

Environmental Criteria and Assessment Office (MD-52)
U.S. EPA
Research Triangle Park, NC 27711
and
Cincinnati, OH 45268

Air RISC Hotline
919-541-0888 (FTS or Com)
Monday through Thursday, 8:00 a.m. to 5:00 p.m., EST
Friday, 8:00 a.m. to 4:00 p.m., EST

Many State and local agencies are developing or have implemented programs to control air pollutants. As part of many of these programs, health risks resulting from exposure to air pollutants are assessed. Agencies are faced with the evaluation of many pollutants and source types with a wide array of methods available for evaluating public exposures and risks. Information may be difficult to find quickly and may be ambiguous or difficult to interpret.

The Air Risk Information Support Center (Air RISC) provides, in a timely fashion, technical assistance and information relative to health, exposure, and risk assessments for air pollutants. The Air RISC is operated by EPA's Office of Air Quality Planning and Standards (OAQPS) and Office of Health and Environmental Assessment (OHEA).

The EPA has worked with the State and Territorial Air Pollution Program Administrators (STAPPA), the Association of Local Air Pollution Control Officials (ALAPCO), and EPA Regional Offices in the design and development of the Air RISC to ensure that the Center will be useful for State and local agencies as well as EPA Regional Offices. The primary goal of Air RISC is to provide health, exposure, and risk information for State and local air pollution control agencies and EPA Regional Offices and, where needed, assist in reviewing and interpreting that data. The Air RISC provides three levels of assistance:

- **Hotline.** The Air RISC Hotline puts agencies and offices in direct contact with a variety of experts. The Hotline is designed to provide an initial, quick response based on available data and expertise.

- **Detailed technical assistance.** When more in-depth evaluations or information are needed than appropriate for a quick response, the Air RISC accepts requests (by phone or letter) to fund more detailed projects that may require 6 months or more to complete. The requests are considered according to available time and resources. Examples of detailed technical assistance include review and interpretation of toxicological information, and review of site-specific exposure assessments, risk assessments, or both.

- **General technical guidance.** The Air RISC also provides general guidance on health, exposure, and risk assessment issues that have broad national interest, such as guidance documents discussing risk assessment methodologies or a glossary of risk, exposure, and health assessment terms. General technical guidance may be provided in the form of citizens guides, documents, videotapes, or workshops.

The Air RISC also provides a feedback mechanism for State and local air agencies to identify to EPA the technical support needs of their agencies in the areas of health, exposure, and risk assessment. Policy guidance and risk management advice, however, are outside the scope of the Air RISC.

2. Control Technology Center (CTC)

Office of Air Quality Planning and Standards
U.S. EPA
Research Triangle Park, NC 27711

Air and Energy Engineering Research Laboratory
U.S. EPA
Research Triangle Park, NC 27711

Control Technology Center Hotline
919-541-0800 (FTS or Com)
Monday through Friday, 7:30 a.m. to 5:00 p.m., EST
(Telephone answering machine operates after 5:00 p.m., EST)

Control Technology Center Bulletin Board
919-541-5742 (1200/2400 baud)
919-541-1447 (9600 baud)

The Control Technology Center (CTC) primarily supports State and local agencies and EPA Regional Offices in implementing air pollution programs for both toxic and criteria air pollutants by providing engineering guidance and support on air pollution control technology. The CTC can provide three levels of assistance:

- **Hotline.** The Hotline provides initial, rapid responses to questions and problems based on available information and expertise.

- **Engineering assistance.** More in-depth engineering assistance than what the Hotline can provide, or, if necessary, on-site support, is also available. The CTC can assist in evaluation of source emissions; identification of control alternatives; development of control costs; identification of pollution impacts of control technologies; source testing methods and problems; advice on permit conditions; and expert testimony in support of State or local regulatory actions.

- **Technical guidance.** The CTC also provides formal control technology guidance and information transfer through control technology documents, personal computer software, and seminars and workshops.

The CTC also provides information through a quarterly newsletter and an electronic bulletin board:

- **CTC News.** The CTC publishes a quarterly newsletter to provide clients with information on CTC activities, technical issues, and the RACT/BACT/LAER Clearinghouse.

- **CTC Bulletin Board.** The CTC provides a Bulletin Board Service on the OAQPS Technology Transfer Network. Users may order CTC documents, leave Hotline requests, view document summaries, leave project suggestions, and download software. The only cost involved is the cost of the phone call.

3. <u>Emergency Planning and Community Right-to-Know Information Hotline</u>

SARA Title III Hotline
Office of Solid Waste and Emergency Response (OS-120)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
1-800-535-0202
703-920-9877 (FTS or Com)
Monday through Friday, 8:30 a.m. to 7:30 p.m., EST

The Superfund Amendments and Reauthorization Act (SARA) Title III Hotline is operated under the guidance of the Office of Solid Waste and Emergency Response (OSWER). The Hotline can answer questions from manufacturers, government agencies, and the general public regarding the Emergency Planning and Community Right-to-Know Act (SARA Title III). SARA Title III establishes requirements for Federal, State, and local governments and industry regarding emergency planning and community right-to-know reporting on hazardous and toxic chemicals. There are four major parts to Title III: emergency response planning (Sections 301 to 303); emergency notification (Section 304); community right-to-know (Sections 311, 312); and toxic chemical release reporting (Section 313). Hotline specialists can answer questions and requests concerning all four sections of SARA Title III.

4. **Human Health Risk Assessment Technical Support Center for Superfund**

Environmental Criteria and Assessment Office
U.S. EPA
26 W. Martin Luther King Drive
Cincinnati, OH 45268
513-569-7300 (FTS or Com)

ECAO provides scientific support and technical assistance to Superfund for health and risk assessment issues. The Center provides chemical specific toxicity assessments for such information as cancer slope factors, reference doses, and reference concentrations that are used in site-specific remedial actions. The Center also provides the following services:

- Chemical specific and chemical mixture toxicity information
- Development of interim or default recommendations for risk assessment
- Development and support for the Health Effects Assessment Summary Tables (HEAST)
- Support for the "Risk Assessment Guidance for Superfund (RAGS): Human Health Evaluation Manual"
- Review and comment for site-specific Superfund risk assessments
- Coordination of information for the Risk Assessment Teleconference for Superfund (RATS)

5. **Integrated Risk Information System (IRIS)**

IRIS User Support
Environmental Criteria and Assessment Office
U.S. EPA
26 W. Martin Luther King Drive
Cincinnati, OH 45268
513-569-7254 (FTS or Com)

The Integrated Risk Information System (IRIS), administered by EPA's Office of Health and Environmental Assessment, is an electronic data base containing health risk and EPA regulatory information on specific chemicals. IRIS, which is updated monthly, is the Agency's primary vehicle for communication of chronic health hazard information representing EPA consensus positions following comprehensive review by intra-Agency work groups. It is a useful information resource tool that points the user to the underlying human and/or animal data used to support the Agency's opinion.

The core of the system is a collection of computer files that contain hazard identification and dose-response risk information for approximately 500 chemicals. An IRIS chemical file contains up to six types of risk related information:

- Oral Reference Doses
- Inhalation Reference Concentrations
- Risk Assessment for Carcinogens
- Drinking Water Health Advisories
- EPA Regulatory Action Summaries
- Supplementary Data

Combined with specific exposure information, the data in IRIS can be used for characterization of the public health risks of a given situation, which can then serve as input for a health risk management decision designed to protect public health.

IRIS was developed for EPA staff in response to a growing need for consistent Agency risk information on chemical substances for use in decision making and regulatory activities. Although IRIS is designed for EPA staff, it is also accessible to the public, State, local, and international communities via several different methods. For more information on IRIS and access methods, contact IRIS User Support at 513-569-7254.

6. <u>National Air Toxics Information Clearinghouse (NATICH)</u>

National Air Toxics Information Clearinghouse
Pollutant Assessment Branch
Office of Air Quality Planning and Standards (MD-13)
U.S. EPA
Research Triangle Park, NC 27711
919-541-0850 (FTS or Com)
Monday through Friday, 7:30 a.m. to 5:00 p.m., EST

The National Air Toxics Information Clearinghouse (NATICH) assists Federal, State, and local agencies in exchanging information about air toxics and the development of air toxics programs. NATICH was established in 1983 by the EPA's Office of Air Quality Planning and Standards (OAQPS) in close coordination with the State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Officials (ALAPCO). It is administered by the Pollutant Assessment Branch of EPA's OAQPS. NATICH information is distributed in five ways:

- bimonthly newsletters containing information on Federal, State, and local air toxics programs and activities, research, agency case histories, etc.,*
- special reports on specific air toxics issues,*
- computerized data base, NATICH, available at a cost of about $10-$15 per on-line hour of work,
- hardcopy reports of data contained in the data base issued on a regular schedule, and

*Available at no charge to government agencies.

- response to requests for specific information.*
- Bulletin Board on the OAQPS TTN.

The core of NATICH is the NATICH data base which contains all of the information collected from Federal, State and local agencies. This information is generally organized according to agency, pollutant, and emission source. State and local agency information includes regulatory program descriptions and contacts; permitting data; acceptable ambient concentrations; ambient air monitoring information; source test data; emissions inventory data; research and methods development information; and bibliographic and ongoing project citations.

Selected preliminary State and local risk assessment results related to air toxics are also included in NATICH. Research information is presented in two categories: (1) descriptions of ongoing research and regulatory development projects; and (2) bibliographic citations/abstracts for published documents.

The NATICH data base resides on EPA's IBM mainframe computer and can be accessed using an agency microcomputer or minicomputer, a modem, and a VT 100 ANSI full screen emulator package. The data base is menu-driven; that is, the user can ask questions of the data base and receive answers via the computer terminal. State and local personnel may also enter and edit data in the Clearinghouse for their agencies.

To obtain on-line access to the NATICH data base, State and local agencies should contact the appropriate EPA Regional air toxics contact listed on page 58 of this report or the NATICH staff at 919-541-0850. To obtain copies of NATICH reports or to be placed on the mailing list for future publications, contact the NATICH staff at the number listed above.

7. <u>Resource Conservation and Recovery Act (RCRA)/Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hotline</u>

RCRA/CERCLA Hotline
c/o Geo/Resource Consultants, Inc.
401 M Street, S.W.
Washington, DC 20460
1-800-424-9346 or 703-920-9810 (DC Metro area)
Monday through Friday, 8:30 a.m. to 7:30 p.m., EST (except Federal holidays)

The Resource Conservation and Recovery Act (RCRA)/ Comprehensive Environmental Response Compensation and Liability Act (CERCLA) Hotline has been in operation since 1980. It is operated under the guidance of the EPA's Office of Solid Waste and Emergency Response. The primary function of the

RCRA/CERCLA Hotline is to assist the public and regulated community in understanding EPA regulations and policy under the RCRA/CERCLA (Superfund) and Underground Storage Tank (UST) programs. Hotline specialists answer regulatory and technical questions and can respond to requests for documents on virtually all aspects of the RCRA, CERCLA, and UST programs. The RCRA/CERCLA Hotline provides information to Federal, State, and local governments; regulated communities; people involved in managing and cleaning up hazardous waste; and the general public.

8. <u>Toxic Chemical Release Inventory (TRI) Data Base</u>

U.S. EPA
Office of Toxic Substances/Information Management Division (TS-793)
401 M Street, S.W.
Washington, DC 20460
202-260-8620 (FTS or Com)

Title III, Section 313 of the Superfund Amendments and Reauthorization Act (SARA) of 1986, also known as the Emergency Planning and Community Right-to-Know law, requires the EPA to establish a toxic release inventory and to make the toxics emissions data available to the public through telecommunications or other means. The National Toxic Chemical Release Inventory (TRI) data base, which became available on September 1, 1988, was established by EPA to provide EPA Headquarters, Regions, and States with the information submitted from facilities on the Form R. At that time, user accounts were established for each of the EPA Regions and timeshare dollars were made available to permit the Regions and States to access the TRI data.

The Toxic Chemical Release Inventory System (TRIS) is the computer system and data base designed and maintained by the EPA to track and store annual estimated releases of toxic chemicals into the environment. TRIS serves EPA as a management tool to facilitate the collection, organization, and dissemination of TRI data from industries regulated under SARA, Section 313. TRIS contains information about the release of over 300 different toxic chemicals or chemical compounds. This information includes reporting facility identification, chemical identification, parent company information, activity/use data, amount of chemical released, medium released to (air, water, land, underground), chemical transfer location, and waste treatment and minimization information. TRI information can be submitted to EPA on paper or magnetic media.

Persons in EPA Regional Offices or States who desire access to the TRI data base should contact the Regional TRI Account Manager listed on the following page for a User ID and instructions on how to access the data base. For other information on access to the TRI data base call TRIS User Support at (202) 260-

9419. For other information about the TRI data, call the Emergency Planning and Community Right-to-Know Information Hotline at 1-800-535-0202.

TOXIC CHEMICAL RELEASE INVENTORY SYSTEM (TRIS)
ACCOUNT MANAGERS

Headquarters	Washington, DC	Carolyn Thornton	202-260-8620
Region I	Boston	Michael MacDougall	617-565-3377
Region II	New York	Robert Messina	913-236-2806
Region III	Philadelphia	Kim Woodall	215-597-9358
Region IV	Atlanta	Jesse Dooley	404-347-2316
Region V	Chicago	Sandra Darden	312-353-0623
Region VI	Dallas	David White	214-655-6540
Region VII	Kansas City	Dale Parke	913-236-2827
Region VIII	Denver	Dianne Groh	303-293-1730
Region IX	San Francisco	Jason Look	415-744-1804
Region X	Seattle	Gus Parlier	206-442-2988

9. Toxic Substances Control Act (TSCA) Assistance Information Service

TSCA Assistance Information Service
Office of Toxic Substances (TS-799)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-554-1404 (FTS or Com)
Monday through Friday, 8:30 a.m. to 5:00 p.m., EST

The Toxic Substances Control Act (TSCA) Assistance Information Service is administered by the Office of Toxic Substances. It provides information on TSCA regulations to the chemical industry, labor and trade organizations, environmental groups, and the general public. The TSCA Assistance Information Service can direct inquiries to the appropriate EPA personnel and handle requests for certain publications related to management of toxic substances.

10. Asbestos and Small Business Ombudsman's Office

U.S. EPA
401 M Street, S.W.
Washington, DC 20460
1-800-368-5888; 703-305-5938 (FTS or Com)
Monday through Friday, 8:00 a.m. to 4:30 p.m., EST
(Note: During the day, if the staff is occupied, an answering machine will allow you to leave a message. Calls will be returned as soon as possible.)

This Office assists small businesses in complying with environmental laws including EPA regulations. The Office acts as a liaison with Agency program offices, and investigates questions regarding EPA requirements. The Office also ensures that EPA considers small business issues during its normal regulatory activities.

11. Asbestos Hotline

Office of Toxic Substances (TS-799)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
1-800-835-6700 or 202-554-1404 (FTS or Com)
Monday through Friday, 8:30 a.m. to 5:00 p.m., EST (off peak calling hours are before 9:00 a.m. and after 4:00 p.m.)

The Asbestos Hotline provides technical information concerning asbestos abatement problems. The Hotline's information specialists answer questions from the general public, government agencies, and the regulated industry. The Hotline receives many inquiries from both private and public school administrators about regulations concerning asbestos in schools, compliance with regulations, and funding sources for asbestos removal or encapsulation.

12. Chemical Assessment Desk

Office of Toxic Substances (TS-778)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-3483 (FTS or Com)

The Chemical Assessment Desk (CAD) is a designated contact in the EPA Office of Toxic Substances (OTS) for chemical risk-related questions. The CAD can best provide assistance on chemicals which have been evaluated in the OTS Existing Chemicals Program, but estimates of toxicity and environmental persistence based on structure-activity relationships can sometimes be provided as well. The CAD also serves as a mechanism for nominating chemicals for screening in the Existing Chemicals Program, which feeds into the

RM-1 process. The CAD's primary audience is EPA Regional and other program offices, but it is available to other Federal and State agencies. States, however, are asked to submit questions through designated Regional contacts in the Pesticides and Toxics Branch. For State and local agencies, the CAD operates through the following Regional coordinators:

CHEMICAL ASSESSMENT DESK
REGIONAL COORDINATORS

Headquarters	Washington, DC	Terry O'Bryan	202-260-3483
Region I	Boston	Suzanne Parent	617-565-3704
		Greg Roscoe	617-565-3744
Region II	New York	Diane Buxbaum	201-321-6893
		Dan Kraft	201-321-6669
Region III	Philadelphia	John Ruggero	215-597-9937
		Ed Cohen	215-597-7668
Region IV	Atlanta	John Stockwell Alfreda Freeman	404-347-1033
Region V	Chicago	Milt Clark	312-886-3388
		Bob Allen	312-353-5871
Region VI	Dallas	Warren Layne Louis Robertson	214-655-7244
Region VII	Kansas City	Bob Jackson Jim Hirtz	913-551-7020
Region VIII	Denver	Paul Grimm Robert Harding	303-393-0981 303-393-1158
Region IX	San Francisco	Greg Czajkowski	415-744-1116
Region X	Seattle	Gil Haselberger Dana Davoli	206-442-1094 206-553-2135

13. Fuel and Fuel Additive Registration Program

Office of Fuel and Fuel Additive Registration (EN-397F)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-8001 (FTS or Com)
Monday through Friday, 7:00 a.m. to 5:00 p.m., EST

The Fuel and Fuel Additive Registration Program is administered by the Field Operation and Support Division of the Office of Mobile Services. The program can respond to questions from governmental agencies and industries regarding the description and registration of fuels and fuel additives. Names and addresses of fuel and/or fuel additive manufacturers are also available, upon request.

14. Information Referral System (INFOTERRA)

INFOTERRA/USA National Focal Point (PM-211A)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-5917 (FTS or Com)

INFOTERRA was created by the United Nations Environment Programme (UNEP) following the United Nations Conference on the Human Environment held in Stockholm, Sweden in June 1972. The INFOTERRA network consists of 138 participating countries, each with a National Focal Point (NFP), under the direction of the INFOTERRA Programme Activity Center (PAC) in Nairobi, Kenya.

In 1975, the EPA was selected to serve as the U.S. NFP for the INFOTERRA network. At present, the staff of the NFP is located in the library of the EPA Headquarters. Resources at the NFP include a small research collection, a number of periodicals, a subject-specified vertical file, and country and organizational files. All materials deal with international environmental issues.

The staff at the NFP respond to information requests on a variety of international environmental topics. Services include the provision of documents, bibliographies, referrals, and substantive research, depending on the nature of the request.

A major information source of the INFOTERRA network is the International Directory of Sources. Each participating NFP is required to identify and register sources of environmental information in their country. These sources are published in the Directory, a multi-volume set. All information in the Directory is being

updated and a new version of the publication is expected in the summer of 1992. The same information which is available in the Directory is also available at the U.S. NFP in the form of a PC-based data base.

15. Motor Vehicle Anti-Tampering Program

Office of Mobile Sources (EN-397F)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-9040 (FTS or Com)
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

The Motor Vehicle Anti-Tampering Program is administered by the Field Operations and Support Division of the Office of Mobile Sources. The program provides the public (especially gas station and garage owners, and the oil and gas industry) with information pertaining to enforcement of tampering regulations (developed under Section 203 of the Clean Air Act) in the form of pamphlets and public documents, as well as information over the phone. The following activities are conducted under the auspices of the Motor Vehicle Anti-Tampering Program:

- audits of oil companies for lead levels in gasoline
- inspections of gas stations and garages regarding compliance with tampering regulations

Staff can answer questions concerning regulations, gasoline additives and emissions standards and can also respond to catalytic converter warranty inquiries. Coordination of State and local inspection programs, recently augmented with anti-tampering inspections, is now handled out of the Emission Control Technology Division (ECTD) of the Office of Air and Radiation in Ann Arbor, Michigan. ECTD staff can be contacted at 313-668-4471 (FTS or Com).

16. National Radon Hotline

800-767-7236 (800-SOS-RADON)
Monday through Friday, 8:00 a.m. to 6:00 p.m. (Note: after 6:00 p.m. and during the day when staff are occupied, an answering machine will allow you to leave a message.)

The National Radon Hotline provides information to the public on radon testing. An answering machine records the names and addresses of callers, and a brochure on radon is sent via first class mail.

17. <u>Public Information Center (PIC)</u>

Public Information Center (PM-211B)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-2080 (FTS or Com)
Monday through Friday, 8:00 a.m. to 5:30 p.m., EST

The Public Information Center (PIC) answers inquiries from the public about EPA programs and activities. PIC also offers a variety of nontechnical information materials. This public service is operated by the Office of Information Resource Management.

18. <u>Reasonably Available Control Technology (RACT)/Best Available Control Technology (BACT)/Lowest Achievable Emission Rate (LAER) Clearinghouse</u>

Emission Standards Division
Office of Air Quality Planning and Standards (MD-13)
U.S. EPA
Research Triangle Park, NC 27711
919-541-2736 (FTS or Com)
Monday through Friday, 8:00 a.m. to 4:30 p.m., EST

The RACT/BACT/LAER Clearinghouse assists Federal, State, and local agencies and others involved in preparing or reviewing permit applications for affected sources in exchanging information about RACT, BACT, and LAER determinations as established under the Clean Air Act. This Clearinghouse was established in 1979 and is a cooperative effort between EPA and the State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Organizations (ALAPCO).

RACT/BACT/LAER information is distributed in five ways:

- quarterly Control Technology Center (CTC) newsletters containing information on the status and use of the Clearinghouse as well as "helpful hints,"
- annual reports on RACT/BACT/LAER determinations,
- a computerized data base, the RACT/BACT/LAER Information System (BLIS),
- customized computer printouts of data contained in the data base, issued on an as needed basis, and
- responses to State and local agency requests for specific information.

The core of the Clearinghouse is the RACT/BACT/LAER Information System (BLIS). This data base contains information on RACT, BACT, and LAER determinations including source (plant) descriptions (location, product(s) and production rates), permitting agency, permitted units within the plant, air pollutant limits, conditions of plant operations, and a contact name and telephone number to obtain more information.

The BLIS resides on EPA's IBM mainframe computer and can be accessed using a personal computer, modem, and communications software. The user can request lists of information based on specific characteristics, for example, of all BACT determinations for sulfuric acid plants. The user-friendly system which is in place requires no knowledge of data base commands. There is no user's manual; however, there are numerous help screens available throughout the system. The user may search the data base on any 3 of 10 available criteria including plant name, source category, process name, and pollutant name. A customized printout may then be generated and either sent to a remote or the main printer at the National Computer Center or may be downloaded directly to the user's computer.

19. <u>Risk Communication Hotline</u>

Office of Policy, Planning, and Evaluation
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-5606 (FTS or Com)
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

The Risk Communication Hotline serves EPA Regions and program offices. It is an up-to-date resource for information on risk communication, research, skill building, implementation, and evaluation. The primary purpose of this hotline is to provide support to EPA Regional Offices and Headquarters; however, the Hotline staff will provide assistance to State and local agencies as time and resources permit. State and local agencies should first contact their Regional Offices with risk communication questions and concerns. The Risk Communication Hotline was established in 1987 and is operated under the Office of Policy, Planning, and Evaluation.

20. Safe Drinking Water Hotline

Safe Drinking Water Hotline
c/o Geo/Resource Consultants, Inc.
1555 Wilson Blvd., Suite 500
Arlington, VA 22209
1-800-426-4791
Monday through Friday, 8:30 a.m. to 5:00 p.m., EST

The Safe Drinking Water Hotline, established in 1987, answers questions regarding the Safe Drinking Water Act of 1974 (SDWA), the SDWA Amendments of 1986, and EPA drinking water programs (including public water supply). The Hotline is targeted at a broad audience ranging from regulatory agencies to the general public. In addition to responding to questions on regulations, the Hotline can provide a list of Office of Drinking Water publications (available through the National Technical Information Service for a fee) and copies of related Federal Register notices.

21. U.S. Environmental Protection Agency - Library Services

Library Services Office (MD-35)
U.S. EPA
Research Triangle Park, NC 27711
919-541-2777 (FTS or Com)
Monday through Friday, 8:30 a.m. to 4:30 p.m., EST

Twenty-eight (28) network libraries located in EPA Headquarters and all Regional Offices and laboratories support the Agency and can provide information to State and local air pollution control agencies. Contacts for the EPA Regional libraries are listed in Section III on page 58.

The Research Triangle Park (RTP) Library provides support to EPA offices in the RTP area, including the Office of Air Quality Planning and Standards (OAQPS), the Environmental Research Center, and the Environmental Criteria and Assessment Office. Collection concentration is on chemical toxicity, all aspects of air pollution, as well as the basic sciences, with some coverage of business and economics. The collection's historical coverage of air pollution is particularly strong.

The RTP Library operates an Air Information Center (AIC) for the OAQPS. This Center handles requests for air pollution information and documents. The AIC provides free literature searches for State and local air pollution agencies and environmental groups.

NON-EPA INFORMATION RESOURCES

22. Cancer Information Service (CIS)

The Cancer Information Service
1-800-4-CANCER (1-800-422-6237)
Monday through Friday, 9:00 a.m. to 10:00 p.m.

This Hotline is a service of the National Cancer Institute (NCI). All phone calls are automatically routed to the nearest Regional CIS office. A national office in Maryland answers calls after normal business hours (4:30 p.m. to 10:00 p.m. local time) and on Saturdays. This Hotline can answer general questions about the relationship of indoor air pollution and cancer; however, more specific questions about air toxics are referred to other agencies (e.g., EPA, NIOSH). Callers can also receive information about treatment, diagnosis, and prevention of cancer from this Hotline, as well as literature, listings of local resources (including home health care, hospitals, and support groups), smoking cessation counseling, and information on clinical trials.

23. Chemical Transportation Emergency Center (CHEMTREC)

1-800-424-9300
24 hours a day, 365 days a year

The Chemical Transportation Emergency Center (CHEMTREC) is operated by the Chemical Manufacturers Association (CMA). It provides advice and assistance to chemical shippers, handlers, and emergency responders in problem situations. The CHEMTREC maintains files on over 250,000 proprietary chemicals. During emergencies, CHEMTREC can provide information regarding the effects of most chemicals on people and the environment and can suggest methods for treatment, containment, and control of an incident. The CHEMTREC also maintains a directory of experts and industry teams that can assist in an emergency.

24. National Pesticide Telecommunications Network (NPTN)

Texas Tech University
Thompson Hall, Room S-129
Lubbock, Texas 79430
1-800-858-7378 (858-P-E-S-T)
24 hours a day, 365 days a year

The National Pesticides Telecommunications Network (NPTN) Hotline provides information about pesticides to the medical, veterinary, and professional communities. The NPTN also serves the public as a clearinghouse for information on pesticides. This includes providing impartial information on pesticide products, recognition and management of pesticide poisonings, toxicology and symptomatic reviews, safety

information, and cleanup and disposal procedures. Referrals for laboratory analyses, investigation of pesticide incidents, and emergency treatment are also provided. The Hotline is staffed by pesticide specialists with agricultural, environmental, and public health backgrounds at Texas Tech University's Health Sciences Center School of Medicine. These individuals are also prepared to deal with emergency situations with respect to pesticide spills or exposure.

25. National Response Center (NRC) Support Center and Hotline

U.S. Coast Guard Headquarters
Washington, DC 20593-0001
1-800-424-8802; 202-267-2675
24 hours a day, 365 days a year

The National Response Center (NRC) is a report processing and coordination center that responds to all kinds of accidental releases of oil and hazardous substances. The NRC was established in 1974 and is staffed by the U.S. Coast Guard. The following incidents may be reported to the NRC's Hotline:

- oil spills,
- hazardous chemical releases,
- pipeline accidents,
- transportation accidents involving hazardous materials or oil,
- releases of radioactive material, and
- releases of etiological or hazardous biological material.

A telephone call to the NRC regarding any of the above incidents satisfies the reporting requirements of Superfund, Federal Water Pollution Control Act, and Department of Transportation regulations.

The NRC also maintains several data bases, including the Oil and Hazardous Materials Technical Assistance Data System (OHM-TADS) which contains chemical, biological, and toxicological information on more than 1,300 substances.

26. Poison Control Centers

24 hours a day, 7 days a week

These centers answer specific questions about situations involving poisons. While most calls received involve questions regarding children, a significant number of calls involve adults exposed to some form of toxic substance. These Centers provide medical treatment guidance and can answer general questions about air toxics, including paint fumes and pesticides. Regional poison control centers service many areas throughout the United States.

Alabama Poison Center
205-345-0600
800-462-0800 (AL only)

Arizona Poison Control System
602-626-7899
602-626-6016 (Tucson)
602-253-3334 (Phoenix)
800-362-0101 (AZ only)

Blodgett Regional Poison Center (MI)
616-774-7854
800-632-2727 (616 area code only)

Cardinal Glennon Children's Hospital
Regional Poison Center (MO)
314-772-8300
314-772-5200 (Emergency)

Central Ohio Poison Center
614-461-2012
614-228-1323
800-682-7625 (OH only)

Duke University Poison Control Center
800-672-1697 (NC only)

Georgia Poison Control Center
404-589-4400
404-616-4400
800-282-5846 (GA only)

Hennepin Regional Poison Center (Minnesota)
612-347-3144
612-347-3141

Intermountain Regional Poison Control
Center (UT)
801-581-7504
801-581-2151

Kentucky Regional Poison Center of Kosair
Children's Hospital
502-589-8222
800-722-5725 (KY only) (TDD)

Long Island Regional Poison Control Center
516-542-2323

Los Angeles County Medical Association
Regional Poison Control Center
213-484-5151
800-777-6476 (CA only)

Maryland Poison Center
301-528-7701
301-528-7702
800-492-2414 (MD only)

Massachusetts Poison Control System
617-735-6607
617-232-2120800-682-9211 (MA only)

Michigan Regional Poison Control Center
313-745-5329
313-745-5711 (Emergency)

Mid-Plains Poison Center (NE)
402-390-5555
800-955-9119

National Capital Poison Center
301-528-7701
800-492-2414

New Jersey Poison Information and Education System
201-926-7443
800-962-1253 (NJ only)

New Mexico Poison and Drug Information Center
505-277-4261
505-843-2551
800-432-6866 (NM only)

New York City Poison Control Center
212-764-7667 (201-POI-SONS)

Pittsburgh Poison Center
412-681-6669

Rhode Island Poison Center
401-277-5906
401-277-5727

Rocky Mountain Poison Center (Colorado)
303-893-7774
303-629-1123
800-332-3073 (CO only)
800-525-5042 (MT only)
800-442-2702 (WY only)

San Diego Regional Poison Center
619-543-6000
800-876-4766

San Francisco Bay Area Regional Poison Control Center
415-476-6600

Southwest Ohio Regional Poison Control System
513-558-5111
800-872-5111

Tampa Bay Regional Poison Control Center
813-253-4444
800-282-3171

Texas State Poison Center
409-772-3332
409-765-1420
713-654-1701 (Houston)
800-392-8548 (TX only)

West Virginia Poison Center
304-347-1212
304-348-4211
800-642-3625 (WV only)

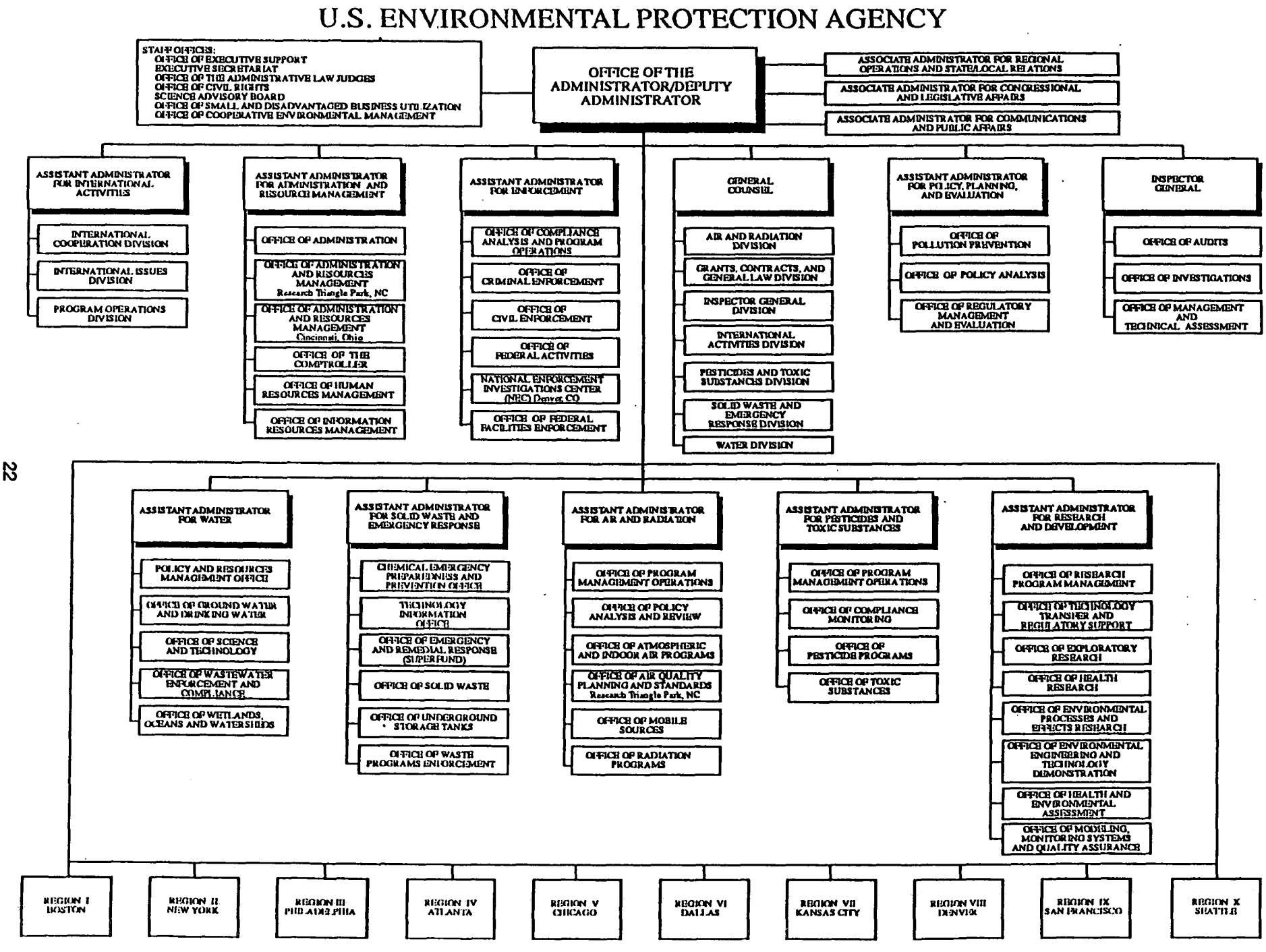
SECTION II

EPA OFFICES

Section II describes key EPA offices involved in some aspect of health, exposure, and/or risk assessments for air pollutants. The offices listed have been selected as having the greatest capabilities in responding to questions from State and local agencies evaluating toxic air pollutants; the list by no means encompasses all of EPA. The organization of EPA offices is shown in Figure 1. Readers are directed to the index to locate EPA offices and services that provide information pertaining to specific subject areas.

Addresses are provided for each office, and telephone numbers are provided for offices which can be called directly with questions on toxic air pollutants. If it is not clear which is the most appropriate office to call, contact the Air Risk Information Support Center (Air RISC) Hotline at 919-541-0888 (FTS or Com).

FIGURE 1. EPA ORGANIZATION CHART



OFFICE OF AIR AND RADIATION (OAR)

27. Office of Atmospheric and Indoor Air Programs (OAIAP)

U.S. EPA
6201J
401 M Street, S.W.
Washington, DC 20460
202-233-9140 (FTS or Com)

The Office of Atmospheric and Indoor Air Programs (OAIAP) manages emerging programs of cross-cutting nature in areas of air and radiation (i.e., stratospheric ozone depletion, global warming, indoor air pollution, and acid rain deposition). The OAIAP serves as principal program advisor to the Assistant Administrator on issues associated with these four program areas, develops programs for the Assistant Administrator, and then administers that strategy.

OAIAP develops, formulates, and carries out both short- and long-range studies to provide a basis for policy decisions and a structure to implement them. The OAIAP works closely with the Office of External Affairs and serves as the principal source of contact and technical assistance relative to the four program areas. This office also administers and monitors grants and contracts relative to these program initiatives.

27.1 Acid Rain Division

U.S. EPA
6204J
401 M Street, S.W.
Washington, DC 20460
202-233-9150 (FTS or Com)

The Acid Rain Division is responsible for implementing the Acid Rain Program established under Title IV of the 1990 Clean Air Act Amendments. The goals of the Acid Rain Program are (1) achieving a 10 million ton reduction of sulfur dioxide (SO_2) emissions and mandated reductions of nitrogen oxide (NOx) emissions; (2) facilitating an innovative market-based allowance trading system that uses economic incentives to achieve these emission reduction goals in a cost-effective manner; and (3) promoting the development and use of pollution prevention and energy-efficient strategies and technologies. The Acid Rain Division is developing a regulatory program that will implement these goals with significant assistance from regulators, the regulated community, and other interested stakeholders. The Division is also responsible for assessing the environmental benefits of the program and implementing the recently signed U.S./Canadian Air Quality Agreement.

27.2 Global Change Division

U.S. EPA
6202J
401 M Street, S.W.
Washington, DC 20460
202-233-9190 (FTS or Com)

The Global Change Division is responsible for the following activities associated with global warming and protection of stratospheric ozone:

- Implementation of the requirements under Title VI of the 1990 Clean Air Act Amendments to develop regulations to protect stratospheric ozone
- Research into substitute chemicals and technologies to assist in the search for alternatives to ozone-depleting substances
- Management of technology transfer programs on substitutes to ozone-depleting substances, both domestically and internationally
- Management of EPA's Green Lights Program, which is encouraging industry to switch to more energy-efficient lighting
- Research into energy efficient refrigerators

27.3 Indoor Air Division

U.S. EPA
6203J
401 M Street, S.W.
Washington, DC 20460
202-233-9030 (FTS or Com)

The Indoor Air Division gathers data and information on all aspects of indoor air quality in order to contribute to the understanding of health problems associated with the existence of air pollutants in the indoor environment; coordinates Federal, State, local, and private research and development efforts related to the improvement of indoor air quality; and assesses appropriate Federal government actions to mitigate the environmental and health risks associated with indoor air.

28. Office of Air Quality Planning and Standards (OAQPS)

U.S. EPA
MD-10
Research Triangle Park, NC 27711

The Office of Air Quality Planning and Standards (OAQPS) supplies EPA Headquarters and State and Regional Offices with technical and regulatory information concerning air quality standards. Working primarily with the Clean Air Act, OAQPS develops national standards for air quality and assesses progress in achieving air quality goals. Emissions standards for new stationary sources and hazardous air pollutants, as well as technical policies, guidelines, and criteria for air pollution control and enforcement are developed. The OAQPS develops and maintains a national air programs data system that includes air quality emissions and other technical data.

The OAQPS assists State and local air pollution control agencies, EPA Regional Offices, industry, and other organizations by providing personnel training activities through the Air Pollution Training Institute and specialty workshops and technical direction regarding all aspects of air pollution control. The OAQPS evaluates Regional programs with respect to State Implementation Plans (SIPs) and strategies, as well as resource needs and allocations for air-related programs.

28.1 Technical Support Division (TSD)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5536 (FTS or Com)

The Technical Support Division (TSD) is responsible for the following functions:

- Providing detailed analysis and national oversight of air quality, source emissions, and related engineering data.
- Developing methodology for the determination of significant trends leading to the attainment or nonattainment of air quality standards and preparing reports pertaining to national, State, and Regional trends.
- Developing, operating, and maintaining a national data bank for the collection and distribution of air quality, emissions, and compliance data.
- Providing national management and support to the application of dispersion and receptor models through evaluation studies, national guidance and regulations, and technical coordination and review of large or nonroutine application efforts.

- Conducting emission tests in support of Federal standards development and evaluating standard test methods and providing technical guidance on the selection and application of test methods.

28.1.1 Monitoring and Reports Branch (MRB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5559 (FTS or Com)

The Monitoring and Reports Branch (MRB) develops and issues national ambient air monitoring strategies and program plans for both criteria and noncriteria pollutants and conducts statistical analysis of ambient air quality and other environmental data.

28.1.2 Emission Measurement Branch (EMB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5544 (FTS or Com)

The Emission Measurement Branch (EMB) conducts emission tests in support of the development of emission standards; develops, improves, and evaluates emission sampling methods and equipment; and provides expertise in emission testing to other operating units. The EMB prepares, in regulatory format, methods and procedures to measure emissions in order to determine compliance with NSPS, NESHAP, and other regulations subject to Federal enforcement, and provides emission testing support to the Office of General Enforcement and the Office of Federal Activities. The EMB compiles and maintains test data of emission test results and provides guidance to the Regional Offices in establishing an emission testing capability.

28.1.3 Source Receptor Analysis Branch (SRAB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5561 (FTS or Com)

The Source Receptor Analysis Branch (SRAB) selects and applies atmospheric dispersion models and other mathematical simulation techniques to estimate concentrations of hazardous pollutants and to analyze air quality impacts of emission standards. The SRAB serves as a focal point for technical applications of such models and simulation techniques to EPA Regional Offices and State and local agencies. The SRAB also

evaluates, improves, and validates atmospheric dispersion models, selects methods for adapting such models and techniques to particular source and pollutant applications, and provides guidelines for applying models and simulation techniques.

28.1.4 National Air Data Branch (NADB)

U.S. EPA
MD-14
Research Triangle Park, NC 27711
919-541-5583 (FTS or Com)

The National Air Data Branch (NADB) develops and implements the National Aerometric Information Retrieval System (AIRS) and installs the software, where appropriate, in State and local agencies. The NADB works with EPA Regional Offices and State personnel on installing, converting, and customizing the new AIRS software for use in managing their air data activities, and provides technical guidance and expertise on air quality and emissions inventories.

The NADB also operates and maintains other national data bases which are used by EPA and State/local agencies to collect data for air pollution research and control programs. The NADB provides technical guidance, support, and training relative to EPA's national systems and coordinates the submittal of national air pollution data by Regional Offices and State/local agencies to EPA.

28.2 Air Quality Management Division (AQMD)

U.S. EPA
MD-15
Research Triangle Park, NC 27711
919-541-5551 (FTS or Com)

The Air Quality Management Division (AQMD) is responsible for assuring that the various air quality management programs and objectives required by the Clean Air Act are implemented. These programs generally relate to the attainment and maintenance of the national ambient air quality standards (NAAQS). The AQMD is responsible for developing new NAAQS and for periodically reviewing and revising existing NAAQS. The NAAQS have been issued for sulfur oxides, particulate matter, nitrogen dioxide, carbon monoxide, ozone, and lead.

The AQMD also prepares complete regulatory analyses (economic, environmental, and energy impacts; benefits; and benefit/cost analyses) on all ambient standard actions and prepares economic and benefit analyses in support of regulatory actions of other OAQPS Divisions, including new source performance

standards and hazardous pollutant standards. The AQMD develops methodologies and guidelines for assessing benefits of air pollution control regulations, economic incentives for air pollution control, risk assessment, and air standard decision-making.

Other air quality management programs managed by AQMD include (1) preventing significant deterioration of air quality in clean-air areas; (2) remedying visibility impairment in national parks and wildernesses; and (3) developing regulations and guidance for State operating permit programs.

28.2.1 Ambient Standards Branch

U.S. EPA
MD-12
Research Triangle Park, NC 27711
919-541-5656 (FTS or Com)

The Ambient Standards Branch (ASB) is responsible for establishing, reviewing, and revising as necessary, the national ambient air quality standards (NAAQS). The ASB conducts regulatory impact and regulatory flexibility analyses for the NAAQS and other major OAQPS regulations. ASB also conducts risk assessments and exposure analyses for the NAAQS program.

In addition to the NAAQS program, ASB is responsible for assessing innovative approaches to developing regulatory strategies, including pollution prevention and control. The branch performs economic analyses, risk assessment, and exposure analyses to support implementation of the Clean Air Act. The branch is also responsible for developing programs to integrate the implementation of Title I, III, IV, and VI of the Clean Air Act Amendments.

The ASB is divided into three sections. The Standards Development Section (SDS) is responsible for reviewing all NAAQS in accordance with the Clean Air Act and recommending revisions on a 5-year cycle. The SDS integrates health and welfare effects data and prepares staff papers for review by the Clean Air Scientific Advisory Committee. Working through the Air Research Committee, the SDS defines future research needs to support the NAAQS program. The section provides health and welfare effects expertise for criteria pollutants to all parts of the air program.

The Regulatory Strategies Section (RSS) is responsible for developing new and innovative regulatory strategies for implementing the Clean Air Act. Such responsibility includes developing programs and assisting other OAQPS organizations to integrate implementation across OAQPS Divisions and with other

Air Program Offices. The RSS conducts risk assessment and exposure analyses to support NAAQS reviews and develops new and innovative approaches for using these analyses in implementation.

The Economic Analysis Section (EAS) is responsible for conducting regulatory impact analyses (RIAs) for NAAQS and other major OAQPS regulations, and developing methodologies for benefits and cost analyses. Regulatory flexibility analyses are prepared for the ASB, AQMD, and other OAQPS offices and Regions as requested. Working with the economic and research community, EAS ensures a continuing program for developing RIAs and other analytical tools to improve implementation efficiency.

28.3 Emission Standards Division (ESD)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5571 (FTS or Com)

The Emission Standards Division (ESD) is responsible for the following functions:

- Developing national emission standards for hazardous pollutants and developing national performance standards for new sources.
- Evaluating the need to regulate potential pollutants and for proposing appropriate regulatory strategies.
- Performing economic, energy, and environmental impact studies and risk and exposure analyses in support of national emission standards.
- Conducting comprehensive surveys and studies of stationary source categories to determine the nature and magnitude of air pollution emissions, control methods and procedures, and economic data.
- Providing technical assistance and documentation regarding emission control technology, reviews technological developments for translation into improved control procedures, and reviews standard development alternatives for compatibility with technology and regulatory authority.

28.3.1 Chemicals and Petroleum Branch (CPB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5674 (FTS or Com)

The Chemicals and Petroleum Branch (CPB) performs comprehensive analyses of air emission sources and control practices within the petroleum refining, chemical manufacturing, hazardous waste, and chemical-using industries to form the bases for Clean Air Act new source performance standards (NSPS) and national

emission standards for hazardous air pollutants (NESHAPS), guidance on reasonably available control technology (RACT) for VOC emissions from existing sources, and RCRA air emission standards. The Branch also prepares control techniques, technical information, and engineering documents pertaining to the control of air pollution emissions for these industries. Plant visitations, emission testing, and meetings with industrial representatives are coordinated to assure timely acquisition of data and background information. In conjunction with the Standards Development Branch, CPB prepares information on the cost and economic impact of emission control systems and develops regulations controlling air emissions under EPA authorities.

28.3.2 Industrial Studies Branch (ISB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5596 (FTS or Com)

The Industrial Studies Branch (ISB) performs comprehensive analyses of specified stationary emissions sources and emission control practices to form the bases for new source performance standards (NSPS) and national emission standards for hazardous air pollutants (NESHAPS). Primarily evaluating inorganic air pollutants, ISB also documents reasonably available control technology (RACT) for existing sources and provides technical guidance to Regional Offices on best available control technology (BACT) and the lowest achievable emission rate (LAER) for specified source categories. The ISB develops coordinated programs of plant visitations, emission testing, and meetings with industrial representatives to assure timely acquisition of data and background information. Information on the cost and economic impact of emission control systems is prepared in conjunction with the Standards Development Branch.

28.3.3 Pollutant Assessment Branch (PAB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5647 (FTS or Com)

The Pollutant Assessment Branch (PAB) conducts exposure and risk analyses for potentially toxic air pollutants, including population exposure studies, and qualitative and quantitative cancer and noncancer risk assessments. To accomplish these tasks, the PAB coordinates scientific activities with other OAQPS groups, ORD, and the Science Advisory Board. The PAB also researches and develops methodologies pertaining to quantitative exposure and risk assessments.

In addition, the PAB coordinates the National Air Toxics Information Clearinghouse (NATICH) activities and works with the Office of Health and Environmental Assessment (OHEA) in supporting the Air Risk Information Support Center (Air RISC).

28.3.4 Standards Development Branch (SDB)

U.S. EPA
MD-13
Research Triangle Park, NC 27711
919-541-5568 (FTS or Com)

The Standards Development Branch (SDB) develops and recommends new source performance standards (NSPS) and national emission standards for hazardous air pollutants (NESHAPS). Regulations are based upon determining which of the alternative levels of control evaluated will provide optimum results consistent with statutory requirements, considering health, technical feasibility, cost, and economic issues. The SDB, with technical support from the Pollutant Assessment Branch, the Chemicals and Petroleum Branch, and the Industrial Studies Branch, prepares, in proposal form, regulations and supporting documents for review. The SDB receives and evaluates all comments resulting from the publication of proposed regulations prior to developing final regulations for promulgation.

28.4 Stationary Source Compliance Division (SSCD)

U.S. EPA
EN-341W
401 M Street, S.W.
Washington, DC 20460

The Stationary Source Compliance Division (SSCD) is the headquarters component of a national program responsible for ensuring that stationary sources achieve and maintain compliance with the requirements of the Clean Air Act. The principal focus of this program is to provide support to State and local air pollution control agencies and, as necessary, conduct Federal enforcement of the requirements established in State Implementation Plans (SIP), new source performance standards (NSPS), and national emission standards for hazardous air pollutants (NESHAP). In addition to providing technical direction for air compliance programs compliance strategies, SSCD develops specific follow-up guidance to Regional, State, and local air compliance programs. The SSCD also maintains and manages the Compliance Data System (CDS), which is an automated system that stores information on the compliance status of stationary sources and Agency air compliance activities relative to those sources.

29. Office of Mobile Sources (OMS)

U.S. EPA
ANR-455
401 M Street, S.W.
Washington, DC 20460

The Office of Mobile Sources (OMS) provides information regarding mobile sources of air pollution. OMS characterizes emissions from mobile sources and associated fueling operations, and develops programs for their control, including assessment of each control technology's status and in-use vehicle emissions.

In coordination with the Office of Enforcement and Compliance Monitoring (OECM), OMS carries out a regulatory compliance program to ensure adherence to standards, and fosters the development of State motor vehicle emissions inspection and maintenance programs.

29.1 Technical Support Staff

Emission Control Technology Division
U.S. EPA
Ann Arbor, MI 48105
313-668-4428 (FTS or Com)

The Technical Support Staff is within the Emission Planning and Strategies Division of the OMS. This group is responsible for assessing the impact of unregulated motor vehicle emissions. This work includes assuring adequate information is available for identifying and quantifying these emissions for current and new vehicle technologies. In addition, resulting ambient levels are projected for both localized scenarios heavily impacted by mobile sources and air quality control regions as a whole. These projections include short-term higher level exposures as well as long-term lower level exposures. Projections are made for total exposure during a person's lifetime allowing estimations of potential noncarcinogenic and carcinogenic risks. Some of the pollutants that have been examined to date include benzene, formaldehyde and other aldehydes, diesel particulates, metals from catalyst attrition products, and dioxin.

30. Office of Radiation Programs (ORP)

U.S. EPA
ANR-458
401 M Street, S.W.
Washington, DC 20460
202-233-9320 (FTS or Com)

The Office of Radiation Programs (ORP) carries out EPA's radiation protection activities. These activities include measuring environmental radiation levels, analyzing data concerning radiation effects, issuing standards and guidance to limit human radiation exposures, and responding to radiological emergencies. Radiation standards set limits on human radiation exposure levels, or on quantities or concentrations of radioactive materials that may be released into air, water, or land.

The ORP provides limited technical and analytical support to State and local agencies that have environmental radiation programs. The ORP conducts radiochemical analyses; performs site surveys; and, on occasion, lends measuring equipment to other organizations. Working with the Federal Emergency Management Agency (FEMA), the ORP maintains nuclear accident response capabilities and assists State and local agencies in preparing radiological emergency response plans.

The ORP also conducts various studies, such as radiation monitoring, assessment, and surveillance. The Office conducts the Radon Action Program, established to address the problem of elevated concentrations of the radioactive gas (radon) in homes across the country. Through this program, ORP assists State governments and the private sector in assessing and mitigating health risks due to indoor radon.

30.1 Bioeffects Analysis Branch

U.S. EPA
ANR-461
401 M Street, S.W.
Washington, DC 20460
202-260-9640 (FTS or Com)

The Bioeffects Analysis Branch is within the Analysis and Support Division, Office of Radiation Programs. The Branch conducts risk assessments and models environmental pathways to determine exposure conditions for radioactive materials. In addition, the Branch provides information on dosimetry and biological effects of radiation.

30.2 Air Standards and Economics Branch

U.S. EPA
ANR-460W
401 M Street, S.W.
Washington, DC 20460
202-233-9300 (FTS or Com)

The Environmental Standards Branch is within the Criteria and Standards Division of the Office of Radiation Programs. The Branch develops standards for radionuclides under the Atomic Energy Act, the Clean Air Act, and other Federal authorities.

30.3 Radon Division

U.S. EPA
ANR-464
401 M Street, S.W.
Washington, DC 20460
202-233-9370 (FTS or Com)

The Radon Division is responsible for the implementation of the EPA Radon Action Program. The goal of the Radon Action Program is to reduce the health risks of radon through partnerships with other Federal Agencies, private sector organizations, and the States. The Radon Division identities areas with high radon levels in homes and determines the national distribution of radon levels and associated risks. The Division identifies cost-effective control methods and stimulates the development of State and private sector capabilities to assess and mitigate radon problems. The Division is also responsible for working with States and other organizations (such as the American Public Health Association, the American Lung Association, the American Medical Association, the National Safety Council, the Consumer Federation of America, and the National Association of County Officials) to provide information to the public on radon and encourage Americans to test and mitigate their homes. Call 1-800-SOS-RADON for more information.

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES (OPPTS)

31. Office of Pesticide Programs (OPP)

U.S. EPA
H7501C
401 M Street, S.W.
Washington, DC 20460

The Office of Pesticides Program (OPP) is responsible for EPA's pesticide regulatory activities (under the authority of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and several provisions of the Federal Food, Drug, and Cosmetic Act). This activity includes registering pesticides, reregistering old

pesticides to make sure they meet today's stringent scientific and regulatory standards, and taking regulatory action if the risks from a pesticide are determined to be unreasonable.

31.1 Health Effects Division (HED)

U.S. EPA
H7509C
401 M Street, S.W.
Washington, DC 20460
703-305-7351 (FTS or Com)

The Health Effects Division (HED) develops risk, hazard, and exposure assessments for pesticides, and supports other divisions of OPP for decisions on registration of pesticides, reregistration, and special reviews. The HED also develops registration guidelines under FIFRA.

31.1.1 Occupational and Residential Exposure Branch (OREB)

U.S. EPA
H7506C
401 M Street, S.W.
Washington, DC 20460
703-305-7324 (FTS or Com)

The Occupational and Residential Exposure Branch (OREB) evaluates and analyzes data on the occupational and residential exposure of humans to pesticides. The OREB provides scientific recommendations and technical advice to the Registration Division (RD) and the Special Review and Reregistration Division (SRRD) on exposure considerations for pesticide registration under Sections 3, 5, 18, and 24(c) of the Federal Insecticide, Fungicide, Rodenticide Act (FIFRA), as amended. In particular, inputs are provided for chemicals undergoing registration, special review, and reregistration. The OREB consists of the Registration Section, the Special Review Section, and the Reregistration Section.

31.1.2 Toxicology Branch (TOX)

U.S. EPA
H7509C
401 M Street, S.W.
Washington, DC 20460
703-305-7397 (FTS or Com)

The Toxicology Branch (TOX) evaluates and analyzes toxicological data on pesticides. The data describe carcinogenic, mutagenic, reproductive, neurotoxic, and teratogenic effects. Scientists in TOX combine these data with related exposure information to determine the risks and hazards associated with pesticide use. The TOX examines scientific data in a wide variety of documents, including registration applications,

experimental use permits, State registrations under Section 24(c) of FIFRA, lab and contract report analysis, and special document reviews.

31.2 Environmental Fate and Effects Division (EFED)

U.S. EPA
H7507C
401 M Street, S.W.
Washington, DC 20460
703-305-7695 (FTS or Com)

The Environmental Fate and Effects Division (EFED) develops risk, hazard, and effects assessments for nontarget species for pesticides, and supports other divisions of OPP for decisions on registration of pesticides, reregistration, and special reviews based on registrant data required under FIFRA. The EFED also develops registration guidelines under FIFRA.

31.2.1 Environmental Fate and Groundwater Branch (EFGWB)

U.S. EPA
H7507C
401 M Street, S.W.
Washington, DC 20460
703-305-5734 (FTS or Com)

The Environmental Fate and Groundwater Branch (EFGWB) develops and evaluates data on the fate, transport, and concentration of pesticides and their degradates in the environment and integrates these data to estimate the potential to contaminate surface and groundwaters and accumulate into nontarget organisms. The EFGWB also develops and maintains pesticide data bases which include monitoring data in the Pesticide Information Network.

32. Office of Pollution Prevention and Toxics

U.S. EPA
TS-792
401 M Street, S.W.
Washington, DC 20460

The Office of Pollution Prevention and Toxics is responsible for EPA activities mandated by the Toxic Substances Control Act (TSCA). Because of the broad information-gathering powers of TSCA, OTS has become an information resource to other EPA programs. The OTS is involved in information collection and data development, and communicates TSCA activities to the chemical industry, environmental groups, and the public.

Policies and procedures for coordinating Agency and Federal activities concerning toxic substances are developed by OTS. The OTS provides operational guidance to EPA Regional Offices, and reviews and evaluates toxic substances activities at both EPA Headquarters and Regional levels. In addition, OTS manages toxic substances research and development under the Pesticides/Toxic Substances Research Committee.

32.1 Chemical Control Division (CCD)

U.S. EPA
TS-794
401 M Street, S.W.
Washington, DC 20460
202-260-3749 (FTS or Com)

The Chemical Control Division (CCD) develops and implements appropriate regulatory and non-regulatory control measures for new and existing chemicals, and for new uses of chemicals found to pose unreasonable health and/or environmental effects. The Division manages the regulatory evaluation and decision-making process for selecting and implementing control measures for new chemicals. The CCD evaluates remedial control options and establishes rules for existing chemicals under TSCA. Strategies for achieving efficient record-keeping and reconciling OTS' assessment activities with respect to new and existing chemicals are developed by the CCD.

32.2 Existing Chemical Assessment Division (ECAD)

U.S. EPA
TS-778
401 M Street, S.W.
Washington, DC 20460
202-260-3442 (FTS or Com)

The Existing Chemical Assessment Division (ECAD) manages the Toxic Substances Control Act (TSCA) existing chemical screening, testing, and assessment programs. The ECAD is responsible for collecting data from the chemical industry via regulatory efforts or other means. The ECAD screens and evaluates these data on exposure, health and safety, and environmental effects, as well as allegations of adverse effects, "substantial risk," and voluntary "For Your Information" submissions. The ECAD also performs risk assessments on selected chemicals and identifies potential risk reduction actions for OTS.

In addition, ECAD develops reporting and testing rules requiring the chemical industry to submit exposure-related, health and safety, and environmental effects data to enable the Division to assess potential risks in conjunction with the other OTS Divisions. The ECAD coordinates cooperative programs on existing

chemicals between EPA and international organizations, and provides support to the Interagency Testing Committee and the National Toxicology Program. The Division serves as a clearinghouse for chemical testing activities across the Agency. In addition, ECAD operates the Regional Risk Guidance Staff which provides risk assessment support to the Regions on the Superfund Amendments and Reauthorization Act (SARA) Section 313 risk-related issues and includes the Chemical Assessment Desk (see page 11).

32.3 Exposure Evaluation Division (EED)

U.S. EPA
TS-798
401 M Street, S.W.
Washington, DC 20460
202-260-1866 (FTS or Com)

The Exposure Evaluation Division (EED) is responsible for the integrated assessment of human and environmental exposure in support of OTS' risk assessment activities. The Division supports CCD and ECAD by providing assistance regarding the chemical, physical, and persistence properties of substances, and information on standards and guidelines. The EED also assists in evaluating analytical methods and laboratory and field techniques. Review of data from industrial exposure assessments and the evaluation and development of guidelines for human epidemiological studies are also conducted by EED.

32.4 Health and Environmental Review Division (HERD)

U.S. EPA
TS-796
401 M Street, S.W.
Washington, DC 20460
202-260-1241 (FTS or Com)

The Health and Environmental Review Division (HERD) develops and recommends science policies to OTS concerning health and ecological effects. HERD is responsible for the initial review and detailed assessment of harmful effects of new chemical including products of biotechnology on human health and the environment conducted under section 5 of TSCA. HERD develops and updates testing guidelines in support of section 4 implementation; reviews, validates, and evaluates test data submitted by industry and other available information relevant to harmful effects of chemicals on human health and the environment; and performs scientific assessments of toxicity and other chemical hazards to human health and the environment in support of the risk assessment activities of OTS. In addition, HERD provides technical support for implementing the TSCA testing and existing chemicals programs and for rule development for existing chemicals under section 6. HERD also identifies and develops new methods and techniques for laboratory testing and evaluation of chemical hazards to human health and the environment through intramural efforts,

extramural studies, and collaboration with the Office of Research and Development and academic and international organizations.

32.5 Information Management Division (IMD)

U.S. EPA
TS-793
401 M Street, S.W.
Washington, DC 20460
202-260-3938 (FTS or Com)

As the focal point for all toxic chemical information in EPA Headquarters, the Information Management Division (IMD) is responsible for all information and security services in support of activities under TSCA and SARA Title III, Section 313 (under Section 313 of Title III, certain businesses are required to submit annual reports on the amounts of chemicals their facilities release into the environment, either routinely or as a result of accidents). In fulfilling this responsibility, IMD develops and maintains data bases, automatic data processing (ADP) systems, and the EPA computer network.

The Confidential Data Branch of IMD is responsible for administrating all TSCA confidential business information (including operation of the OTS Confidential Business Information Center). The Public Data Branch provides nonconfidential information services, such as literature searches and operation of the TSCA Public Information Office.

32.6 TSCA Assistance Information Service

U.S. EPA
TS-799
401 M Street, S.W.
Washington, DC 20460
202-554-1404 (FTS or Com)

The TSCA Assistance Information Service, sponsored by the Environmental Assistance Division of the Office of Toxic Substances, provides technical assistance and information about programs implemented under the Toxic Substances Control Act (TSCA), the Asbestos School Hazard Abatement Act (ASHAA), and the Asbestos Hazard Emergency Response Act (AHERA). Services are provided to industry, labor and trade organizations, environmental groups, State and local governments, Federal agencies, and the general public. TSCA Hotline staff can be reached at (202) 554-1404, Monday through Friday, from 8:30 a.m. to 5:00 p.m., EST. Publications such as Federal Register notices, informational brochures, and booklets are also available free of charge from the TSCA Assistance Information Service.

33. Office of Modeling, Monitoring Systems, and Quality Assurance (OMMSQA)

U.S. EPA
RD-680
401 M Street, S.W.
Washington, DC 20460
202-260-5767 (FTS or Com)

The Office of Modeling, Monitoring Systems, and Quality Assurance (OMMSQA) is responsible for planning, managing and evaluating a comprehensive program for (1) research with respect to the characterization and transport and fate of pollutants that are released into the atmosphere; (2) development and demonstration of techniques and methods to monitor human and ecological exposure and to relate ambient concentrations to exposure of critical receptors; (3) research, development, and demonstration of new monitoring methods, systems, techniques, and equipment for detection, identification, and characterization of pollutants at the source and in the ambient environment and for use as reference or standard monitoring methods; (4) establishment, coordination, and review of Agency-wide Quality Assurance Program; and (5) development and provision of quality assurance methods, techniques, and material including validation and standardization of analytical methods, sampling techniques, quality control methods, standard reference materials, and techniques for data collection, evaluation, and interpretation.

33.1 Modeling and Monitoring Systems Staff

U.S. EPA
RD-680
401 M Street, S.W.
Washington, DC 20460
202-260-5776 (FTS or Com)

The Modeling and Monitoring Systems Staff is responsible for the planning, management, coordination, and review of the Agency's research, development, and demonstration programs in the Air, Toxics, Pesticides, Radiation, Water, and Waste Management media to define (1) techniques and systems to monitor human and ecological exposure and relate ambient concentrations of pollutants to exposure of critical receptors; (2) research and development programs to characterize the atmospheric processes and transport and transformation of air pollution as it relates to urban and regional atmospheres; (3) precise, accurate techniques for surveillance and enforcement requirements; (4) candidates for designation as standard or reference monitoring methods; (5) monitoring methods and systems including sampling techniques and methodology, and other components of monitoring systems and strategies; (6) quality assured monitoring techniques including methods of standardization, validation and equivalency, and quality procedures and

protocols, and quality control; and (7) specialized monitoring or other systems to Agency program and Regional Offices as well as other Federal and State agencies in response to requests for services. The Staff provides technical expertise and management assistance in the areas noted above; develops broad Agency policy and program plans, priorities, and laboratory objectives; coordinates research and development activities with other components of ORD, the Agency, Federal, State and local governments, and the private sector; reviews laboratory plans, allocates resources, and monitors the status of ongoing programs; conducts or assists in conducting program reviews; and develops recommendations for corrective actions when necessary.

33.2 Atmospheric Research and Exposure Assessment Laboratory (AREAL)

U.S. EPA
MD-75
Research Triangle Park, NC 27711
919-541-2106 (FTS or Com)

The Atmospheric Research and Exposure Assessment Laboratory (AREAL) conducts intramural and extramural research programs, through laboratory and field research, in the chemical, physical, and biological sciences designed to do the following:

- Characterize and quantify present and future ambient air pollutant levels and resultant exposures to humans and ecosystems on local, regional, and global scales;
- Develop and validate models to predict changes in air pollution levels and air pollutant exposures and determine the relationships among the factors affected by predicted and observed changes;
- Determine source-to-receptor relationships relating to ambient air quality and air pollutant exposures, developing predictive models to be used for assessments of regulatory alternatives derived from these relationships, directly or indirectly;
- Provide support to Program and Regional Offices and to State and local groups, in the form of technical advice, methods research and development, quality assurance, field monitoring, instrument development, and modeling for quantitative risk assessment and regulatory purposes;
- Develop and carry out long-term research in the areas of atmospheric methods, quality assurance, biomarkers, spatial statistics, and exposure assessment;
- Collect, organize, manage, and distribute research data on air quality, human and ecosystem exposures and trends for Program and Regional Offices, ORD, the scientific community, and the public at large.

33.3 Environmental Monitoring Systems Laboratory (EMSL)

U.S. EPA
MC-ODC
Las Vegas, NV 89193-3478
MD-591
Cincinnati, OH 45268

The Environmental Monitoring Systems Laboratory in Las Vegas, Nevada, conducts research and development programs related to (a) monitoring pollutants in the environment; (b) developing sampling strategies and techniques for monitoring hazardous waste leachates in soil and groundwater; (c) developing remote sensing techniques; (d) conducting human exposure monitoring and modeling studies covering several environmental media; (e) evaluating analytical methods for the characterization and quantification of hazardous wastes; and (f) providing quality assurance in support of the EPA's hazardous waste, Superfund, pesticides, ionizing radiation, and acid deposition programs.

The Environmental Monitoring Systems Laboratory in Cincinnati, Ohio, as its primary mission, (a) conducts research in the development, evaluation, and standardization of chemical and biological methods for environmental assessments; (b) conducts research for detecting, identifying, and quantifying microbial pathogens found in environmental media; (c) provides technical assistance to the program office and regions for conducting bioassessments of aquatic systems; and (d) provides quality assurance in support of the wastewater, and related solid wastes, Superfund, and toxics program.

34. Office of Technology Transfer and Regulatory Support (OTTRS)

U.S. EPA
H8105
401 M Street, S.W.
Washington, DC 20460
202-260-7669 (FTS or Com)

The Office of Technology Transfer and Regulatory Support (OTTRS) provides technical and policy assistance to the Office of Research and Development (ORD) laboratories. It also serves as a focal point for communication and coordination with EPA program offices, EPA Regional Offices, and non-EPA organizations including State and local agencies, universities, and other Federal agencies. The OTTRS disseminates ORD scientific and engineering information through its Center for Environmental Research Information (CERI) and provides EPA Program Offices with recommendations for integrating this information into the regulatory decision-making process.

34.1 Center for Environmental Research Information (CERI)

U.S. EPA
26 West Martin Luther King Drive
Cincinnati, OH 45268
513-569-7391 (FTS or Com)

The Center for Environmental Research Information (CERI) is the focal point for all ORD information products. Its responsibilities are in two broad areas: Technical Information Product Management and Technology Transfer. CERI's product management activities include establishing and maintaining ORD's technical information policy; final production, printing, and distributing all ORD reports; developing special reports when needed; and producing ORD project summaries. The Technology Transfer Staff, with the help of ORD research staff, academia, and the scientific and engineering components of the private sector, develops strategies and information tools for various user communities to address Agency regulatory and enforcement activities. For example, the staff develops information for solving municipal and industrial environmental problems through the application of control technology and makes these solutions available to target audiences through seminars and technology transfer publications.

The ORD Publications Announcement is published to provide interested parties with access to the broad range of available documents produced by the ORD. In addition, CERI publishes a Technology Transfer Newsletter periodically that announces new technology transfer publications and seminars. To receive a copy of these publications, contact the Publications Unit at 513-569-7562 (FTS or Com). Orders are filled until the supply of a particular report is exhausted.

35. Office of Environmental Processes and Effects Research (OEPER)

U.S. EPA
RD-682
401 M Street, S.W.
Washington, DC 20460

The Office of Environmental Processes and Effects Research (OEPER) develops scientific and technological methods for managing the entry, movement, and fate of pollutants in the environment. The effects of pollutants on nonhuman organisms and ecosystems are researched. The OEPER consists of research facilities in Ada, Oklahoma; Athens, Georgia; Corvallis, Oregon; Duluth, Minnesota; Narragansett, Rhode Island; and Gulf Breeze, Florida. The Corvallis Environmental Research Laboratory (CERL) assesses the ecological effects of airborne pollutants; other laboratories focus on aquatic, multimedia, and soil systems.

35.1 Environmental Processes and Effects Staff

U.S.EPA
RD-682
401 M Street, S.W.
Washington, DC 20460
202-260-5950 (FTS or Com)

The Environmental Processes and Effects Staff are responsible for planning and management of research, including biotechnology risk assessment; wetland research; dredge disposal/contaminated sediments; global change; contaminated land sites; oil spills; estuarine and near-coastal waters; distributed landscapes and freshwater systems; Arctic regions; groundwater; and biodiversity.

36. Office of Health and Environmental Assessment (OHEA)

U.S. EPA
RD-689
401 M Street, S.W.
Washington, DC 20460

The Office of Health and Environmental Assessment (OHEA) is the EPA's focal point for the scientific assessment of the degree of risks imposed by environmental pollutants in varying exposure situations on human health and ecological systems. OHEA occupies a critical position in the Office of Research and Development (ORD) between (1) the researchers in other ORD components who are generating new findings and data, and (2) the regulators in the EPA Regional and program offices who must make regulatory, enforcement, and remedial action decisions. In support of its mission to provide EPA with assessments of risk to human health and the environment, OHEA carries out three functions:

- Prepare human health risk assessments that serve as the scientific basis for regulatory and enforcement decisions within EPA.
- Promote Agency-wide coordination and consistency of risk assessments by preparing guidelines; by providing expert advice, reviews and data analysis; and by participating in the regulatory decision-making process.
- Plan and conduct research to reduce uncertainties in risk assessment.

36.1 Human Health Assessment Group (HHAG)

U.S. EPA
RD-689
401 M Street, S.W.
Washington, DC 20460
202-260-5898 (FTS or Com)

The Human Health Assessment Group (HHAG) provides state-of-the-art methodology, guidance, and procedures on the health risks associated with suspected cancer-causing agents and the risks associated with chemicals that are suspected of causing detrimental reproductive effects, including mutagenic, teratogenic, and other adverse reproductive outcomes and reduced fertility; assures quality and consistency in the Agency's scientific risk assessments; provides advice on proposed testing requirements for adequate risk assessments; and prepares independent risk assessments.

36.2 Exposure Assessment Group (EAG)

U.S. EPA
RD-689
401 M Street, S.W.
Washington, DC 20460
202-260-8909 (FTS or Com)

The Exposure Assessment Group (EAG) provides advice on the exposure characteristics and factors of agents that are suspected of causing detrimental health effects; provides state-of-the-art methodology, guidance, and procedures for exposure determinations; assures quality and consistency in the Agency's exposure assessments, and prepares independent assessments of exposure and recommendations concerning the exposure potential of specific agents.

36.3 Environmental Criteria and Assessment Office—Cincinnati (ECAO-Cin)

U.S. EPA
26 W. Martin Luther King Drive
Cincinnati, OH 45268
513-569-7531 (FTS or Com)

The primary function of ECAO-Cin is the development of noncancer human health risk assessments to various EPA programs, Regional Offices, and State, local, and international agencies. In the air quality program, ECAO-Cin develops health risk assessments and summaries for airborne contaminants, which includes maintenance of court files and disposition of public documents. The ECAO-Cin also prepares the risk assessments for hazardous substances found at uncontrolled hazardous waste sites and identified by EPA's Office of Solid Waste and Emergency Response.

The ECAO-Cin supports the Air Risk Information Support Center (Air RISC), providing technical assistance to State and local air agencies and EPA Regional Offices on issues related to health, risk, and exposure assessments. ECAO-Cin developed and maintains the Integrated Risk Information System (IRIS) data base and the Health Effects Assessment Summary Table (HEAST) for the Agency. Direct and indirect exposure methodologies are being developed for Municipal Waste Combustors (MWCs), and the Lead Biokinetic Exposure Model is presently being tested by the Regions. When appropriate, ECAO-Cin coordinates workshops concerning chemical-specific exposures or new state-of-the-art risk assessment methodologies.

36.4 Environmental Criteria and Assessment Office–Research Triangle Park (ECAO-RTP)

U.S. EPA
MD-52
Research Triangle Park, NC 27711
919-541-4173 (FTS or Com)

The primary mission of the Environmental Criteria and Assessment Office-Research Triangle Park (ECAO-RTP) is the assessment and interpretation of scientific information in support of EPA regulatory decision-making, especially with regard to air-related standards. This function is accomplished via preparation and publication of (1) new or revised air quality criteria documents used in setting national ambient air quality standards (NAAQS) under the Clean Air Act, Sections 108 and 109; (2) scientific assessments serving as the basis in decisions on listing and regulating hazardous air pollutants under the Clean Air Act, Sections 111 and 112; and (3) other special reports as required by various legislative authorities. The ECAO-RTP also serves as an important Agency focal point for (1) identification and communication of gaps in air-related data bases and research necessary to address such gaps; (2) provision of scientific assessment support to EPA Regions and State and local agencies in dealing with specific air toxic problems; and (3) coordination/ organization of the ORD scientific assessment and information exchange concerning air-related health and environmental effects in connection with international activities and indoor air quality.

The ECAO-RTP is the head office for coordination of the ORD support to the Air Risk Information Support Center (Air RISC); requests for assistance submitted to this office for health or risk assessment information are handled by ECAO-RTP, or referred, as appropriate to other ORD staff (primarily OHEA).

36.4.1 Indoor Air Research Program

U.S. EPA
MD-52
Research Triangle Park, NC 27711
919-541-4172 (FTS or Com)

In October 1986, EPA's Office of Research and Development (ORD) established a matrix managed research program that emphasizes risk assessments for indoor environments, development of sampling devices for use indoors, indoor air quality models, materials testing methods, research test house experiments, and investigations of special complaint buildings. In conducting indoor air research, the ORD has integrated the research efforts of the Health Effects Research Laboratory (HERL), the Atmospheric Research and Exposure Assessment Laboratory (AREAL), the Air and Energy Engineering Research Laboratory (AEERL), the Environmental Criteria and Assessment Office-RTP, NC, (ECAO) and the Environmental Monitoring Systems Laboratories-Cinn, OH and LV, NV (EMSL). The Indoor Air Research Program has the following primary objectives:

- Characterization of exposure and health effects associated with chemical contaminants in the indoor environment.
- Development of mitigation strategies for biological contaminants in indoor air.
- Identification and characterization of significant indoor air pollution sources and evaluation of mitigation strategies.
- Development of guidelines covering ventilation, as well as other building design, operation, and maintenance practices for ensuring that indoor air quality is protective of public health.
- Development of a technical assistance and information dissemination program to inform the public of risks and mitigation strategies, and to assist State and local government agencies and the private sector in solving indoor air quality problems.

37. Office of Health Research (OHR)

U.S. EPA
RD-683
401 M Street, S.W.
Washington, DC 20460

The Office of Health Research (OHR) is the focal point for toxicological, clinical, and epidemiological research within ORD. The OHR formulates and implements a comprehensive research program to investigate human health effects associated with exposure to environmental pollutants and assists in the formulation of health science policy for EPA. The OHR evaluates and communicates its research results and

AMBERG LIBRARY

provides advice on their use to EPA offices for criteria development and scientific assessments in support of regulatory and standard setting activities.

37.1 Health Effects Research Laboratory (HERL)

U.S. EPA
MD-51
Research Triangle Park, NC 27711
919-541-2281 (FTS or Com)

The Health Effects Research Laboratory (HERL) investigates human health effects resulting from exposure to environmental pollutants. Staffed by health scientists with recognized expertise in a variety of disciplines (environmental medicine, physiology, epidemiology, statistics, biochemistry, neurotoxicology, reproductive toxicology, teratology and perinatal toxicology, geriatric toxicology, pulmonary toxicology, immunotoxicology, cardiovascular toxicology, genotoxicology, hepatotoxicology and other target organ toxicology, and microbiology), HERL is the primary laboratory for toxicological, clinical, and epidemiological research within the Agency. HERL also establishes cooperative research projects with academic and other scientific institutions which facilitate the Agency's efforts in understanding health effects of environmental pollutants. This research program develops and applies state-of-the-science biological assays, predictive models, and extrapolation methods which serve as the basis for the Agency's health risk assessments.

37.1.1 Genetic Toxicology Division (GTD)

U.S. EPA
MD-68
Research Triangle Park, NC 27711
919-541-2537 (FTS or Com)

The research program of the Genetic Toxicology Division (GTD) encompasses the fields of mutagenesis, carcinogenesis, and related studies in cellular toxicology. The GTD possesses the capability of fully evaluating the mutagenic and oncogenic potential of agents of environmental concern including pure chemicals and complex environmental mixtures. The GTD has major research programs in improving risk assessment procedures, applying biomarkers to environmental health studies, improving the basis for heritable mutation risk assessment, and application of structure activity relationship methods (SAR) to environmental toxicology. The GTD has new updated material on its data bases on genetic toxicology and carcinogenesis.

37.1.2 Neurotoxicology Division (NTD)

U.S. EPA
MD-74B
Research Triangle Park, NC 27711
919-541-2671 (FTS or Com)

The Neurotoxicology Division (NTD) is the focal point for planning, conducting, coordinating, supporting, and evaluating a program aimed at studying the effects of physical and/or chemical agents on nervous system function. The program includes both intramural investigations and extramural arrangements with universities, industry, private research institutions, and other government agencies. The overall program strategy stresses the development of cost-effective testing methods for evaluating neurotoxicity and for predicting risk to humans. Within the framework of this strategy, five overall objectives have been identified: (1) methods development and validation, including evaluation of existing methods, design and evaluation of new methods, and development of testing strategies; (2) toxicity evaluation; (3) determinations of the significance of neurotoxicological indicators for assessing risk in humans; (4) developmental neurotoxicology (behavioral teratology) which evaluates the effects of perinatal toxicant exposure on the development of the nervous system; and (5) mechanism of action studies.

37.1.3 Research Support Division (RSD)

U.S. EPA
MD-51
Research Triangle Park, NC 27711
919-541-2883 (FTS or Com)

The Research Support Division (RSD) is responsible for the coordination and staff work on administrative management, data processing, statistics, technical support, and scientific activities in support of the research programs and regulatory assistance activities in the Health Effects Research Laboratory (HERL) and the Office of Health Research (OHR). Specifically, the RSD is responsible for the following areas: providing administrative management leadership to HERL, serving as liaison between HERL and other administrative organizations, developing HERL administrative policies and interpreting those developed by EPA, ORD, and OHR; providing OHR-wide automated data processing support for both scientific and administrative computer systems; providing statistical and mathematical support to all components of HERL; communicating both management and scientific information to individuals inside and outside the Agency; managing the HERL quality assurance program, laboratory animal procurement and husbandry, and contracts to support HERL's management and research programs; and assisting with scientific and technical issues within HERL by undertaking special projects which are of critical importance to the Laboratory.

37.1.4 Environmental Toxicology Division (ETD)

U.S. EPA
MD-66
Research Triangle Park, NC 27711
919-541-2655 (FTS or Com)

The Environmental Toxicology Division (ETD) conducts research to determine the health effects of inhaled environmental pollutants. Particular emphasis is placed on the development and application of improved methods which enable significant advancement in the knowledge of the health effects of air pollutants. The ETD serves as a primary technical resource within the Agency for activities requiring expertise in animal inhalation studies and in the health effects of common air pollutants. Continual efforts are made to improve the correlation between animal and human studies and extrapolation models are developed to enable better risk assessments to be made. These extrapolation models are founded on physiologically-based dosimetry models for compounds that have been ingested, inhaled, or dermally applied. Methods for the isolation and identification of chemicals and metabolites in tissues and biological fluids are developed and then applied in experimental dosimetry research programs. Issues such as route-to-route, acute-to-chronic, and animal-to-man extrapolation are addressed.

37.1.5 Developmental Toxicology Division (DTD)

U.S. EPA
MD-71
Research Triangle Park, NC 27711
919-541-2771 (FTS or Com)

The Developmental Toxicology Division (DTD) conducts and manages biological research on the effects of environmental pollutants, singly or in combination, on reproduction and development. The chemical agents under investigation include toxic substances, pesticides, air pollutants, drinking water contaminants, and hazardous wastes. Major research emphasis is on the development of new and improved methodologies for the assessment of male and female reproductive toxicity, embryo and fetal toxicity, and postnatal functional deficits.

37.1.6 Human Studies Division (HSD)

U.S. EPA
MD-58
Research Triangle Park, NC 27711
919-966-6200 (FTS or Com)

The Human Studies Division (HSD) conducts clinical and epidemiological investigations to improve the understanding of human health risks associated with environmental pollution. Clinical studies are conducted

for research questions which are best approached experimentally by monitoring or administering exposures under highly controlled laboratory settings or where the evaluation of effects requires complex laboratory procedures. Epidemiologic investigations study humans in less rigidly controlled, more natural settings by field studies or analysis of existing data. Laboratory analyses are used to improve assessments of exposure, biologically relevant doses, and adverse biological or health effects, as well as to investigate mechanisms linking these phenomena. Studies are frequently designed and analyzed so as to characterize the similarities or differences between effects observed in humans and animals or in vitro systems; the data are then used by the Agency for risk assessment in the absence of human data.

38. Risk Assessment Forum

U.S. EPA
RD-689
401 M Street, S.W.
Washington, DC 20460
202-260-6743 (FTS or Com)

The Risk Assessment Forum is made up of 18 senior EPA scientists. Its objective is to promote consensus on risk assessment issues and ensure incorporation of this consensus into risk assessment guidance. The Forum performs risk assessment projects selected in collaboration with the Risk Assessment Council, which was established in 1986 by the Administrator to provide executive oversight of risk assessment policies at EPA.

The Forum assists EPA's policy making in three ways: (1) develops positions on science policy issues for use in risk assessment; (2) develops EPA risk assessment guidelines and comments on procedures not covered by EPA published guidelines; and (3) recommends revisions to the guidelines whenever such revisions appear to be necessary.

OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE (OSWER)

39. Office of Emergency and Remedial Response (OERR)

U.S. EPA
OS-200
401 M Street, S.W.
Washington, DC 20460

The Office of Emergency and Remedial Response (OERR) is responsible for development and implementation of a national strategy, technical policies, regulations, and guidelines for control of abandoned hazardous waste sites. The OERR also responds to and acts to prevent oil and hazardous substance spills.

39.1 Hazardous Site Control Division (HSCD)

U.S. EPA
OS-220W
401 M Street, S.W.
Washington, DC 20460
703-603-8800 (FTS or Com)

The Hazardous Site Control Division (HSCD) is responsible for developing and evaluating remedial action, negotiating and monitoring remedial targets and progress, and providing policy and technical guidance on costs, construction, data quality and field procedures, and site evaluation at Superfund sites.

39.2 Hazardous Site Evaluation Division (HSED)

U.S. EPA
OS-230
401 M Street, S.W.
Washington, DC 20460
703-603-8850 (FTS or Com)

The Hazardous Site Evaluation Division (HSED) is responsible for managing site discovery activities and overseeing site evaluation. The HSED develops policies and protocols for chemical analysis and monitoring, and proposes and promulgates the National Priority List updates. In addition, HSED develops policies and procedures for evaluating health risks at Superfund sites.

39.3 Emergency Response Division (ERD)

U.S. EPA
OS-210
401 M Street, S.W.
Washington, DC 20460
703-603-8760 (FTS or Com)

The Emergency Response Division (ERD) responds to hazardous substance releases or threats of releases and initiates removal actions. The ERD is responsible for response guidance and regulations, and provides support for on-site response actions. The ERD manages the Superfund Hotline and provides support for implementation of the Preparedness Program; manages the oil dispersants program and promulgates regulations on oil discharge requirements; and develops reportable quantities regulations and maintains emergency response data bases.

39.4 Office of Program Management (OPM)

U.S. EPA
OS-240
401 M Street, S.W.
Washington, DC 20460
703-603-8700 (FTS or Com)

The Office of Program Management (OPM) has a variety of responsibilities within OSWER, including budget preparation, training, technology transfer, and cross media analysis. The OPM carries out the State Capacity Assurance Program for management of hazardous waste.

OFFICE OF THE ADMINISTRATOR

40. Office of Cooperative Environmental Management

U.S. EPA
A-101F
401 M Street, S.W.
Washington, DC 20460
202-260-9741 (FTS or Com)

The Agency-wide Technology Transfer Staff is responsible for assisting and coordinating technical assistance, training, and information dissemination among EPA programs and with State and local agencies, business and industry, and academia. The Staff helps develop and implement communication networks, disseminate information on effective programs and processes, and build cooperative programs between governments and the private sector.

SECTION III

EPA REGIONAL INFORMATION RESOURCES

The EPA maintains 10 Regional Offices that coordinate Agency activities with State and local agencies and the public and private sectors within specific geographic areas. Table 1 provides addresses and general telephone numbers for each Regional Office. Figure 1 illustrates the coverage, by State, of each Region.

Regional contacts in four key subject areas (air toxics, library services, Superfund, and RCRA) are provided in Table 2. These persons can provide information on regional information sources and respond to many questions State and local agency personnel may have relating to toxic air pollutants. In addition, Regional contacts for the chemical assessment desk are listed on page 11, and Regional Account Managers for access to the TRI data base are listed on page 9. If there is a question as to the appropriate person to contact, call the Air RISC Hotline (919-541-0888) for assistance.

TABLE 1. EPA REGIONAL OFFICES

EPA Region I
J.F.K. Federal Building, Rm. 2203
Boston, MA 02203-2211
FTS or Com: (617) 565-3420

EPA Region II
Jacob K. Javits Federal Plaza
New York, NY 10278
FTS or Com: (212) 264-2657

EPA Region III
841 Chestnut Building
Philadelphia, PA 19107
FTS or Com: (215) 597-9800

EPA Region IV
345 Courtland Street, N.E.
Atlanta, GA 30365
FTS or Com: (404) 347-4727

EPA Region V
77 W. Jackson Blvd.
Chicago, IL 60604
FTS or Com: (312) 353-2000

EPA Region VI
1445 Ross Avenue
12th Floor, Suite 1200
Dallas, TX 75202-2733
FTS or Com: (214) 655-6444

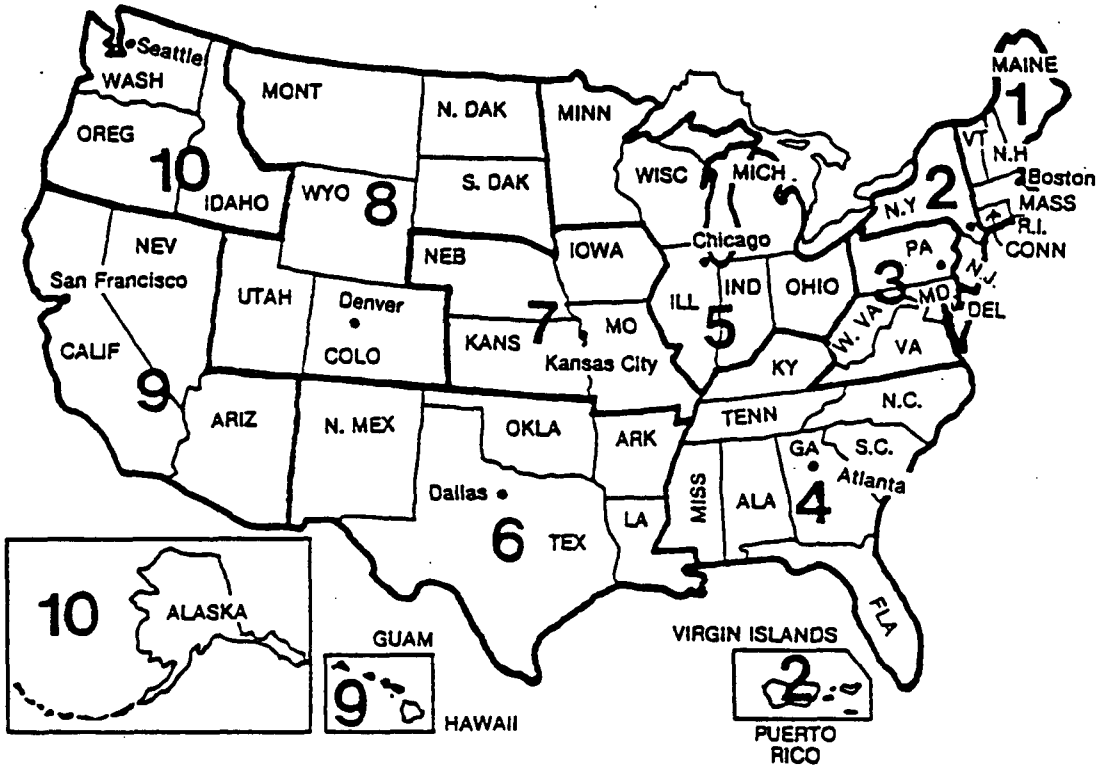
EPA Region VII
726 Minnesota Avenue
Kansas City, KS 66101
FTS or Com: (913) 551-7000

EPA Region VIII
999 18th Street
Denver Place Suite 500
Denver, CO 80202-2466
FTS or Com: (303) 293-1603

EPA Region IX
75 Hawthorne Street
San Francisco, CA 94105
FTS or Com: (415) 744-1305

EPA Region X
1200 Sixth Avenue
Seattle, WA 98101
FTS or Com: (206) 553-1200

FIGURE 2. EPA REGIONAL OFFICES - COVERAGE BY STATE



Regions	Regions	Regions
4 — Alabama	1 — Maine	3 — Pennsylvania
10 — Alaska	3 — Maryland	1 — Rhode Island
9 — Arizona	1 — Massachusetts	4 — South Carolina
6 — Arkansas	5 — Michigan	8 — South Dakota
9 — California	5 — Minnesota	4 — Tennessee
8 — Colorado	4 — Mississippi	6 — Texas
1 — Connecticut	7 — Missouri	8 — Utah
3 — Delaware	8 — Montana	1 — Vermont
3 — D.C.	7 — Nebraska	3 — Virginia
4 — Florida	9 — Nevada	10 — Washington
4 — Georgia	1 — New Hampshire	3 — West Virginia
9 — Hawaii	2 — New Jersey	5 — Wisconsin
10 — Idaho	6 — New Mexico	8 — Wyoming
5 — Illinois	2 — New York	9 — American Samoa
5 — Indiana	4 — North Carolina	9 — Guam
7 — Iowa	8 — North Dakota	2 — Puerto Rico
7 — Kansas	5 — Ohio	2 — Virgin Islands
4 — Kentucky	6 — Oklahoma	
6 — Louisiana	10 — Oregon	

TABLE 2. REGIONAL CONTACTS IN FOUR KEY SUBJECT AREAS*

REGION	AIR TOXICS	LIBRARY SERVICES	SUPERFUND	RCRA
I	Tom D'Avanzo (617) 565-3232 (FTS or Com)	Peg Nelson (617) 565-3298 (FTS or Com)	Rose Toscano (617) 565-3280 (FTS or Com)	Mike McGagh (617) 223-5634 (FTS or Com)
II	Carol Bellizzi (212) 264-4076 (FTS or Com)	Magi Malone (212) 264-2881 (FTS or Com)	Alison Devine (212) 264-9893 (FTS or Com)	Terry Ippolito (212) 264-2980 (FTS or Com)
III	Iz Milner (215) 597-9090 (FTS or Com)	Diane McCreary (215) 597-0580 (FTS or Com)	Patricia Flores (215) 597-9134 (FTS or Com)	Susan Lamont (215) 597-4081 (FTS or Com)
IV	Van Shrieves (404) 347-2864 (FTS or Com)	Priscilla Pride (404) 347-4216 (FTS or Com)	Lee Page (404) 347-2864 (FTS or Com)	Carl Terry (404) 347-3004 (FTS or Com)
V	Bruce Varner (312) 886-6793 (FTS or Com)	Lou Tilley (312) 353-2022 (FTS or Com)	Carl Nash (312) 886-6043 (FTS or Com)	Suzanne Kircos (312) 363-3209 (FTS or Com)
VI	Tom Driscoll (214) 655-7223 (FTS or Com)	Beverly Negri (214) 655-6444 (FTS or Com)	Mark Hansen (214) 655-7223 (FTS or Com)	Vicky Finch (214) 655-6790 (FTS or Com)
VII	Wayne Kaiser (913) 551-7603 (FTS or Com)	Barbara MacKinnon (913) 551-7241 (FTS or Com)	Wayne Kaiser (913) 551-7603 (FTS or Com)	Dale Armstrong (913) 551-7316 (FTS or Com)
VIII	Laura Lonowski (303) 330-1761 (FTS or Com)	Peg Hooper (303) 330-1444 (FTS or Com)	Norm Huey (303) 293-0969 (FTS or Com)	Hal Dunning (303) 294-1142 (FTS or Com)
IX	Ken Bigos (415) 744-1240 (FTS or Com)	Linda Sunnen (415) 556-6606 (FTS or Com)	Kathy Diehl (415) 744-1133 (FTS or Com)	Carrie Johnston (415) 744-2185 (FTS or Com)
X	Chris Hall (206) 553-1949 (FTS or Com)	Julienne Sears (206) 442-1289 (FTS or Com)	Chris Hall (206) 553-1949 (FTS or Com)	Bud Loiselle (206) 563-6901 (FTS or Com)

*This [illegible] is current as of April 1992.

SECTION IV

KEY REFERENCE MATERIALS

Section IV lists several key reference materials related to health, exposure, and risk assessments for pollutants. These resources include health and exposure assessment documents, risk assessment documents, occupational safety and health references, and chemical-specific profile documents. Information on how to obtain each reference is also listed.

Annual Report on Carcinogens, 5th Report. National Toxicology Program. Washington, DC: National Technical Information Services, 1989.

National Technical Information Services
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

NTIS: PB89-231914-XAB $67.00 PC A99 (paper copy) $60.00

The Department of Public Health and Human Services is required by law to publish this annual report which contains a list of all substances which either are known to be or which may reasonably be anticipated to be carcinogens, and to which a significant number of people in the U.S. are exposed. The report provides available information on the nature of the exposures, the estimated number of potentially exposed people, and the effect of Federal regulations on the level of risk to public health from exposure to these substances.

Bibliography of Selected Reports and Federal Register Notices Related to Air Toxics: Volume 1: Citations; Volume 2: Citations-1988; Index-1988. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina; July 1988.

National Air Toxics Information Clearinghouse
U.S. EPA
Office of Air Quality Planning and Standards
Research Triangle Park, NC 27711
(919) 541-0850

The National Air Toxics Information Clearinghouse Bibliography provides citations for reports and Federal Register notices related to toxic air pollutants. The citations include documents on the following topics: accident prevention/emergency response, ambient monitoring, case studies evaluated by State and local agencies, Chemical Hazard Information Profiles prepared by EPA's Office of Toxic Substances, control technology, dispersion modeling, emission factors, exposure assessments, epidemiological studies, health assessments, indoor air pollutants, national emission standards for hazardous air pollutants, new source performance standards, air toxics program support, preregulatory assessments, regulatory development guidance, risk assessments, air toxics rules and regulations, source assessments, source sampling, and toxicity testing.

The reports selected for this bibliography were published by the following organizations: U.S. Environmental Protection Agency, National Academy of Sciences, National Cancer Institute, National Institute of Environmental Health Sciences, National Toxicology Program, National Institute for Occupational Safety and Health, Consumer Products Safety Commission, World Health Organization including the International Agency for Research on Cancer, and various State and local agencies.

The document numbers are:

Volume I - Citations, July 1987, EPA-450/5-87-005
Volume II - Citations, July 1988, EPA-450/5-88-005
Index - 1988, July 1988, EPA-450/5-88-006

Federal, State and local agencies may obtain copies of these reports by contacting the Clearinghouse staff at (919) 541-0850.

Chemical Emergency Preparedness Program (CEPP)/SARA Title III, Section 302 Profiles

SARA Title III Hotline
Office of Solid Waste and Emergency Response (OS-120)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
1-800-535-0202
703-920-9877
Monday through Friday, 8:30 a.m. to 7:30 p.m., EST

These profiles contain a summary of publicly available documented information for the chemicals listed under SARA Title III, Section 302 as extremely hazardous substances. There are 366 chemical profiles (as of February 1988) that contain acute hazard information, chemical properties, and emergency handling techniques.

Chemical Hazard Information Profiles (CHIPs)

Environmental Assistance Division (TS-799)
U.S. EPA
TSCA Assistance Information Service
401 M Street, S.W.
Washington, DC 20460
202-554-1404
Monday through Friday, 8:30 a.m. to 5:00 p.m., EST

Chemical Hazard Information Profiles (CHIPs) are summaries of readily available information on health and environmental effects, as well as exposure-related data. Published by the EPA's Office of Toxic Substances, CHIP candidates are chosen on the basis of information indicating a potential for adverse health or environmental effects, evidence of significant production or other exposure potential, and commercial use patterns regulated under the Toxic Substances Control Act (TSCA). CHIPs (up to five per request) can be obtained from the TSCA Assistance Information Service at 202-554-1404.

Compendium of Methods for Determination of Air Pollutants in Indoor Air

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

The compendium of methods contains technically-reviewed sampling and analysis procedures in a standardized format for measurements of indoor pollutants of primary importance. The 10 chapters of the compendium cover determination of volatile organic compounds (VOCs), nicotine, carbon monoxide, carbon dioxide, nitrogen dioxide, formaldehyde, benzo(a)pyrene, and other polynuclear aromatic hydrocarbons, acid gases and aerosols, particulate matter, pesticides, and air exchange rates.

Exposure Assessments (EA)

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

Exposure Assessments (EAs) assess the magnitude, frequency, duration, and route of human exposures occurring at a specific site as a result of an industrial operation or the dumping of hazardous materials. EAs are prepared for various EPA program and Regional Offices and support EPA's regulatory and enforcement programs.

"For Your Information" (FYI) Reports

Environmental Assistance Division (TS-799)
U.S. EPA
TSCA Assistance Information Service
401 M Street, S.W.
Washington, D.C. 20460
202-554-1404

"For Your Information" (FYI) Reports are submitted voluntarily to the EPA by chemical manufacturers, processors and distributors, trade associations, labor organizations, Federal, State and local agencies, foreign governments, academia, public interest and environmental groups, and the general public. The reports contain unpublished chemical toxicity and exposure data. They do not meet the statutory requirements for submission under TSCA but may be pertinent to risk assessment and risk management activities.

Health Assessment Documents (HADs)

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

Health Assessment Documents (HADs) are comprehensive evaluations of the known health data, including carcinogenicity, mutagenicity, and developmental and reproductive effects from exposure to particular chemicals or compounds. The HADs serve as the scientific data base for establishing relationships between exposure concentrations and potential health risks and are used by the Office of Air Quality Planning and Standards (OAQPS) to determine the possible listing of hazardous air pollutants (HAPs) under Sections 111 and 112 of the Clean Air Act.

Health Effects Assessments (HEAs)

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

Health Effects Assessments (HEAs) are preliminary assessments of relevant health effects data. The documents are used in evaluating risk at uncontrolled sites and for appraising clean-up alternatives in remedial investigations and feasibility studies.

Health and Environmental Effects Documents (HEEDs)

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

Health and Environmental Effects Documents (HEEDs) are summaries of the literature concerning health hazards associated with environmental exposures to particular chemicals or chemical compounds. These documents are prepared to aid in the development of waste characterization regulation under Section 3001 of the Resource Conservation and Recovery Act (RCRA) and to provide health-related limits and goals for emergency and remedial actions under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA/Superfund). HEEDs contain Health Affects Assessments (HEAs) and reportable quanitities (RQs) and supercede previously developed Health and Environmental Effects Profiles (HEEPs) and Hazard Profiles. HEEDs may contain refernce doses (RfDs) for short- and long-term exposure for both inhilation and oral exposure, or, in the case of carcinogens, a carcenogenic potency factor. HEEDs become part of the RCRA and CERCLA public dockets.

Health and Environmental Effects Profiles (HEEPs)

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

Health and Environmental Effects Profiles (HEEPs) aid the Office of Solid Waste and Emergency Response (OSWER) in developing waste characterization regulations under the Resource Conservation and Recovery Act (RCRA). The HEEP documents are summaries of literature concerning health hazards associated with environmental exposures to certain RCRA chemicals.

National Ambient Air Quality (NAAQS) Criteria Documents

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

or

U.S.EPA
Ambient Standards Branch
MD-12
Research Triangle Park, NC 27711
919-541-5656

or

U.S.EPA
Center for Environmental Research Information
26 West Martin Luther King Drive
Cincinnati, OH 45268
513-684-7562

Carbon Monoxide

Air Quality Criteria for Carbon Monoxide. EPA 600/8-79-022, October 1979.
NTIS PB-81-244840 $17.00

Air Quality Criteria for Carbon Monoxide, External Review Draft. EPA 600/8-90/045A. Environmental Protection Agency, Research Triangle Park, North Carolina, March 1990.
NTIS PB90-195587 $67.00

Review of the NAAQS for Carbon Monoxide: Reassessment of Scientific and Technical Information, EPA 450/5-84-004, July 1984.
NTIS PB-84-231315 $10.00

Revised Evaluation of Health Effects Associated with Carbon Monoxide Exposure. EPA 600/8-83-033F, August 1984. (Also referred to as Addendum to Criteria Document)
NTIS PB-85-103471 $10.00

Hydrocarbons

Review of Criteria for Vapor-Phase Hydrocarbons (August 1980).
NTIS PB-82-136516 $24.00

Lead (Pb)

Air Quality Criteria for Lead. EPA 600/8-83-028aF through dF. Environmental Protection Agency, Research Triangle Park, North Carolina, June 1986.

Volume I: NTIS PB87-142386	$31.00
Volume II:NTIS PB87-142394	$39.00
Volume III:NTIS PB87-142402	$39.00
Volume IV: NTIS PB87-142410	$45.00
Complete Set: NTIS PB87-142378	$123.00
CERI:	FREE

Air Quality Criteria for Lead: Supplement to the 1986 Addendum. EPA 600/8-89/049F. Environmental Protection Agency, Research Triangle Park, North Carolina, August 1990.
NTIS PB91-138402 $17.00

Review of the National Ambient Air Quality Standards for Lead: Exposure Analysis Methodology and Validation - OAQPS Staff Report. EPA 450/2-89-011, June 1989.
NTIS PB-89-207914 $23.00

Nitrogen Dioxide (NO_2)

Air Quality Criteria for Oxides of Nitrogen. EPA 600/8-82-026F. Environmental Protection Agency, Research Triangle Park, North Carolina, December 1982.
NTIS PB83-132829 $13.00

Review of the National Ambient Air Quality Standards for Nitrogen Oxides: Assessment of Scientific and Technical Information (OAQPS Staff Paper). EPA 450/5-82-002, August 1982.
NTIS PB-83-132829 $13.00

Ozone (O_3)

Air Quality Criteria for Ozone and Other Photochemical Oxidants. EPA 600/8-84.020aF through eF. Environmental Protection Agency, Research Triangle Park, North Carolina, August 1986.
NTIS PB87-142949 $137.00/set
CERI: FREE

Review of the National Ambient Air Quality Standards for Ozone Assessment of Scientific and Technical Information. OAQPS Staff Paper, June 1989.

Summary of Selected New Information on Effects of Ozone on Health and Vegetation (Draft Supplement to Criteria Document). EPA 600/8-88-105A, November 1988.
CERI: FREE

Particulate Matter (PM) and Sulfur Oxide (SO_2)

Air Quality Criteria for Particulate Matter and Sulfur Oxides. EPA 600/8-82-029aF through cF. Environmental Protection Agency, Research Triangle Park, North Carolina, December 1982.

Volume I: NTIS PB84-120401	$25.95
Volume II:NTIS PB84-120419	$30.95
Volume III:NTIS PB84-120427	$50.95

Second Addendum to Air Quality Criteria for Particulate Matter and Sulfur Oxides (1982): Assessment of Newly Available Health Effects Information. EPA 600/8-86-020F.

NTIS PB87-176574	$25.95
CERI:	FREE

Review of the National Ambient Air Quality Standards for Particulate Matter: Assessment of Scientific and Technical Information. OAQPS Staff Paper, EPA 450/5-82-001, January 1982.
NTIS $24.95

Review of the National Ambient Air Quality Standards for Particulate Matter: Updated Assessment of Scientific and Technical Information. Addendum to the 1982 OAQPS Staff Paper, EPA 450/5-86-012, December 1986.
NTIS $18.95

Review of the National Ambient Air Quality Standards for Sulfur Oxides: Assessment of Scientific and Technical Information. OAQPS Staff Paper, EPA 450/5-82-007, November 1982.
NTIS $25.95

Review of the National Ambient Air Quality Standards for Sulfur Oxides: Updated Assessment of Scientific and Technical Information. Addendum to the 1982 OAQPS Staff Paper, EPA 450/5-86-013, December 1986.
NTIS $14.95

National Institute for Occupational Safety and Health (NIOSH) Criteria Documents (NIOSHCRIT)

NIOSH Publications
4676 Columbia Parkway
Cincinnati, OH 45226

Any titles not available through NIOSH can be obtained through the following:

Superintendent of Documents
U.S. Government Printing Office (GPO)
Washington, DC 20402

or

National Technical Information Services (NTIS)
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

These Criteria Documents summarize the National Institute for Occupational Safety and Health (NIOSH) rationale for recommended exposure limits for chemicals presenting human health risks in the workplace. These documents are passed on to the Secretary of Labor for consideration for use in developing regulatory standards.

National Air Toxics Information Clearinghouse: Qualitative and Quantitative Carcinogen Risk Assessment. EPA 450/5-87-003. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina: 1987.

National Air Toxics Information Clearinghouse
U.S. EPA
Office of Air Quality Planning and Standards (MD-13)
Research Triangle Park, NC 27711
919-541-0850

The National Air Toxics Information Clearinghouse has been established by the EPA Office of Air Quality Planning and Standards (OAQPS) in coordination with the State and Territorial Air Pollution Program Administrators (STAPPA) and the Association of Local Air Pollution Control Officials (ALAPCO) for the purpose of aiding information transfer among Federal, State, and local air quality management agencies. This report has been published as part of that effort. The purpose of this report is to describe the basic principles and assumptions associated with a qualitative and quantitative carcinogenic risk assessment to help State and local agencies better understand and interpret a risk assessment. The report discusses the four steps of risk assessment: hazard identification, dose-response assessment, exposure assessment, and risk characterization, focusing primarily on the dose-response assessment. In addition to describing the basic principles of carcinogenic risk assessment, the report describes examples of risk assessment work done by EPA and four State/local agencies.

The Risk Assessment Guidelines of 1986. EPA 600/8-87-045. Environmental Protection Agency, Office of Health and Environmental Assessment, Washington, DC: 1987.

Center for Environmental Research Information
U.S. EPA
26 West Martin Luther King Drive
Cincinnati, OH 45268
513-684-7562

NTIS PB88-123997/AS $19.00

On September 24, 1986, the EPA issued risk assessment guidelines relating to five areas: carcinogenicity, mutagenicity, chemical mixtures, suspect developmental toxicants, and estimating exposures (51 FR 33992-34054). The guidelines were developed to promote high technical quality and Agency-wide consistency in

the risk assessment process. This document presents the five guidelines as they originally appeared in the Federal Register but in a format that is easier to read.

Risk Assessment, Management, Communication: A Guide to Selected Sources. Environmental Protection Agency, Information Management and Services Division, Washington, DC: 1987.

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

NTIS PB87 185500-XAB	PC A10 $25.95 Original Publication
NTIS PB87 203402-XAB	PC A06 $19.95 First Update
NTIS PB88-100102-XAD	PC A04 $14.95 Second Update
NTIS PB88 128178-XAB	PC A03 $12.95 Third Update

NOTE: Original publication and all updates must be purchased to have most current and complete directory information. Contact NTIS for availability of future updates.

Risk Assessments: Carcinogenicity, Mutagenicity, Teratogenicity, Reproductive Effects

Office of Health and Environmental Assessment (OHEA) (RD-689)
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
202-260-7345

Risk assessments are analyses of varying length and scope of scientific data on chemical substances as these data relate to human health. The documents are used by EPA to determine whether a chemical substance is carcinogenic, mutagenic, teratogenic, or affects human reproductive systems, and what risk it poses to the public, particularly in relation to other chemicals. These evaluations may be individual documents or part of a larger document (e.g., Health Assessment Documents).

Threshold Limit Values and Biological Exposure Indices. American Conference of Governmental Industrial Hygienists (ACGIH), Cincinnati, OH: 1988.

ACGIH
6500 Glenway Avenue, Building D-7
Cincinnati, OH 45211-4438
513-661-7881

The ACGIH publishes Threshold Limit Values (TLVs) and Biological Exposure Indices (BEIs). TLVs are based on available information from industrial experience and from experimental human and animal studies. The

BEIs are based on epidemiological and field study data or determined as bioequivalent to a TLV by means of pharmacokinetic analysis of data from controlled human studies.

Toxicity One-Liners

Office of Pesticide Programs/HED
U.S. EPA
401 M Street, S.W.
Washington, DC 20460
703-557-7351

Toxicity One-Liners summarize test results on toxicity required by Office of Pesticide Programs (OPP) from the producers of pesticides who want to bring a new product on the market. For each test submitted, information is provided on the testing laboratory, the kind and length of study, the material tested, and the date the study was finished.

User's Manual for the Human Exposure Model (HEM). EPA-450/5-86-001. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina: June 1986.

National Technical Information Services
5285 Port Royal Road
Springfield, VA 22161
703-487-4650

NTIS PB87-168399/A06 $23.00

APPENDIX

DATA BASES CONTAINING INFORMATION RELATED TO HEALTH, EXPOSURE, AND RISK ASSESSMENT OF AIR POLLUTANTS

DATA BASES CONTAINING INFORMATION RELATED TO HEALTH, EXPOSURE, AND RISK ASSESSMENT OF AIR POLLUTANTS

The computerized sources described in this section of the directory represent what is available today on the subject of health, exposure, and risk assessment of air pollutants. The reader should be aware, however, that computerized sources of information change rapidly and new sources appear continuously.

This appendix describes the contents of (rather than evaluates) data bases containing information relevant to health, exposure, and risk assessment of air pollutants. Prices to access and retrieve data vary greatly from vendor to vendor and from source to source. Some data bases are more user friendly than others. Some are still available on-line, but are no longer being updated.

Vendors offer training and complete data base descriptions once an account with them is set up. Vendors through which these data bases are available are listed after each data base and contact information for each vendor is listed at the end of the appendix.

CHEMICAL PROPERTIES, HAZARD, AND TOXICITY–FACTUAL DATA BASES

AGROCHEMICALS HANDBOOK (DIALOG)
Provides chemical, physical, analytical, agricultural use, toxicological, and environmental data on 500+ component active ingredients which are contained in agrochemical products used worldwide. Produced by the Royal Society of Chemistry.

CHEMICAL CARCINOGENESIS RESEARCH INFORMATION SYSTEM (CIS, TOXNET)
Produced by Stanford Research Institute for National Cancer Institute. Results of carcinogenicity (positive or negative results), mutagenicity (positive only), tumor promotion (positive only), and cocarcinogenicity tests (positive only).

CHEMICAL EVALUATION SEARCH AND RETRIEVAL SYSTEM - CESARS (CIS)
Sponsored by EPA Great Lakes Program and Michigan State Department of Natural Resources. Detailed, evaluated, fully referenced profiles of 194+ chemicals. 185 data fields including acute and chronic toxicity, carcinogenicity, teratogenicity, physical/chemical properties, environmental fate, and environmental effects. Last update to the data base was in 1985.

CLINICAL TOXICOLOGY OF COMMERCIAL PRODUCTS - CTCP (CIS)
Based upon printed version. Compilation of common commercial product ingredients and their toxicities. Contains information on toxicology, health effects, treatment of poisoning, manufacturing, production for 1,500+ ingredients of 22,000+ commercial products.

ENVIROFATE (CIS)
Gives information on the environmental fate or behavior of chemical substances as well as physical-chemical properties. Sponsored by EPA Office of Toxic Substances. 8,000+ records on 450+ chemicals.

EPA PESTICIDE FACT SHEETS (NPIRS)
Fact sheets prepared by the Environmental Protection Agency Office of Pesticide Programs; designed to provide concise information about active ingredients used in pesticide products. Data and summarized information in 13 sections including description of the chemical, toxicological, physiological, biochemical, environmental, and ecological characteristics, tolerance assessment, problems with chemical, science summary, regulatory position and rationale, major data gaps and due dates, and EPA contact person. 134+ fact sheets available.

GENETOX (CIS)
Contains summary information on genetic assay studies conducted on 2,500+ compounds. Includes specific indications of type of assay performed, the biological host, type of endpoint measured, and final quantitative results.

HAZARDOUS SUBSTANCES DATA BANK - HSDB (TOXNET)
Detailed, scientifically reviewed, fully referenced profiles for 4,200+ chemicals. Records have up to 150 data fields in 11 categories including Substance Identification, Manufacturing/Use Information, Chemical and Physical Properties, Safety and Handling, Toxicity/Biomedical Effects, Pharmacology, Environmental Fate/Exposure Potential, Exposure Standards and Regulations, Monitoring and Analysis Methods, Additional References, and Express Data (new data). Produced by Specialized Information Services of the National Library of Medicine.

HEILBRON (DIALOG)
75,000+ concise entries with information on 175,000+ chemicals. Includes chemical identification, physical-chemical properties, use, hazard and key reference data.

MERCK INDEX (BRS, DIALOG)
Full text of the tenth printed edition, updated to include 57 new and 341 substantially revised monographs. 10,000+ records. Gives concise information on chemicals including discussions of isolation, preparation, biosynthesis, physical and biological properties, pharmacological actions, uses and toxicity.

REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES - RTECS (CIS, MEDLARS, TOXNET)
On-line interactive version of NIOSH publication. Provides data for 90,000+ potentially toxic chemicals, including toxicity data, chemical identifiers, exposure standards, NTP test status and status under various Federal regulations and programs. Data base also available on microfiche and on CD-ROM (SilverPlatter).

REPROTOX (Reproductive Toxicology Center)
Provides comprehensive information on the reproductive effects of hundreds of chemical substances. Offers summaries of most relevant and important articles. Data base use is included with membership in the Reproductive Toxicology Center.

TERATOGENICITY-ENVIRONMENTAL TERATOLOGY INFORMATION CENTER DATA BASE (MEDLARS)
Information from open literature on testing and evaluation for teratogenic activity of chemical, biological and physical agents. Subfile in TOXLINE data base.

TOXIC INTERACTION DATA BASE
Internal EPA data base containing summary toxicity data from published laboratory studies on toxic interactions between chemicals. The data include the exposure conditions and type of interaction, as well as the statistical analysis methods used. Contact Dr. Richard Hertzberg at 513/569-7582.

TOXIC SUBSTANCES CONTROL ACT TEST SUBMISSIONS - TSCATS (CIS)
Indexes unpublished health and safety studies, chemical test data, and substantial risk data submitted to EPA under the Toxic Substances Control Act (TSCA). Includes 18,000+ records covering 2,700+ chemicals. Catalogs the purpose of testing, test organism(s) used, route(s) of administration, and where available, a description of the nature of the chemical tested. Gives the title of the submission and file identification data. Copies of studies available on microfiche from NTIS or CIS. Developed by Syracuse Research Corporation for the Office of Toxic Substances of EPA.

CHEMICAL PROPERTIES, HAZARD, AND TOXICITY--BIBLIOGRAPHIC DATA BASES

BIOSIS PREVIEWS - BIOLOGICAL ABSTRACTS (BRS, DIALOG, ORBIT, a segment in TOXLINE)
Major comprehensive worldwide coverage of research in life sciences. Extensive coverage of toxicology. Covers 9,000+ primary journals as well as other literature. 5,100,000+ references from 1969 to the present.

CANCERLIT (BRS, DIALOG, MEDLARS)
Sponsored by National Cancer Institute; produced by the National Library of Medicine. 3,000+ U.S. and foreign journals, books, reports, and meeting abstracts reviewed for inclusion. 520,000+ references from 1963 to the present.

DOE ENERGY (DIALOG, ORBIT)
Provides comprehensive coverage of literature, patents, monographs, and technical reports concerning all aspects of energy production, utilization, and conservation. Information on toxicology related to energy sources and byproducts. Sponsored by the Department of Energy. 1,750,000+ records from 1974 to the present.

ENVIROLINE (DIALOG, ORBIT)
Worldwide environmental information coverage of 5,000+ international primary and secondary source publications. Subject scope includes fields such as management, technology, planning, law, political science, economics, geology, biology, and chemistry as they relate to environmental issues. Literature scanned includes periodicals, government documents, industry reports, meeting proceedings, newspaper articles, films, and monographs. 120,000+ records from 1971 to the present.

ENVIRONMENTAL MUTAGEN INFORMATION CENTER - EMIC (MEDLARS)
Consists primarily of references from the open literature that report the testing of chemicals, biological agents and some physical agents for mutagenicity. It also includes general references and methods papers on test systems and organisms. EMIC is a subfile of the TOXLINE data base.

MEDLINE (BRS, DIALOG, MEDLARS)
Indexes articles from 3,200+ biomedical journals published in the U.S. and abroad. MEDLINE is indexed using NLM's controlled vocabulary, MESH (Medical Subject Headings) and contains all citations indexed in Index Medicus. It is a major source of biomedical literature. 5,200,000+ references from 1966 to the present.

NIOSH TECHNICAL INFORMATION CENTER DATA BASE - NIOSHTIC (DIALOG, INFOLINE)
National Institute for Occupational Safety and Health Technical Information Center file. Covers toxicology, epidemiology, industrial hygiene practices and other areas of occupational health and safety. Citations from 400+ journals, NIOSH publications, including contract and grant reports, theses, monographs, and some unpublished documents. Contains important articles from early literature, some dated pre-1900. Also available on OSH-ROM CD ROM.

NTIS (BRS, DIALOG, ORBIT)
Produced by National Technical Information Service. Covers U.S. government-sponsored research and development for 200+ agencies. Includes technical reports, some reprints, federally-sponsored translations, and foreign language reports in areas of major technical interest. 1,200,000+ records from 1964 to the present.

POLLUTION ABSTRACTS (BRS, DIALOG)
Covers all aspects of pollution, solid waste management and environmental quality. Produced by Cambridge Scientific Abstracts, Bethesda, Maryland. 124,000+ records from 1970 to the present.

TOXLINE - TOXICOLOGY INFORMATION On-line (MEDLARS)
Specifically designed to offer comprehensive bibliographic coverage of toxicology information. Covers the pharmacological, biochemical, physiological, environmental, and toxicological effects of chemicals and drugs. Fourteen subfiles including Toxicity Bibliography (TOXBIB) from MEDLINE, Chemical-Biological Activities (CBAC) from Chemical Abstracts, Toxicological Aspects of Environmental Health (BIOSIS) from Biological Abstracts, Pesticides Abstracts (PESTAB), International Pharmaceutical Abstracts (IPA), NIOSHTIC (NIOSH), Toxicology Research Projects from the NIH Computer Retrieval of Information on Scientific Projects data base (CRISP), Toxicology Document and Data Depository (NTIS) from NTIS, Hazardous Materials Technical Center of Defense Logistics Agency (HMTC), Environmental Mutagen and Environmental Teratology Information Centers (EMIC and ETIC), International Labour Office CIS Abstracts (CIS), Aneuploidy (ANEUPL), and Epidemiology Information System (EPIDEM) of FDA. Produced by Specialized Information Services of the National Library of Medicine. 2,000,000+ references.

RISK ASSESSMENT

HAZARDOUS WASTE COLLECTION (EPA)
Data base of information sources on subject of hazardous waste. Includes references to books, key journals, EPA reports and data bases. Operates on IBM XT/AT compatibles and requires dBASE II/III software. Created by EPA Headquarters Library. Available for purchase through NTIS (PB87-152690).

INTEGRATED RISK INFORMATION SYSTEM - IRIS (PHNET - pending)
EPA data base of chemical-specific risk information on 365 chemicals with new files added every month. Gives verified reference dose summaries and verified carcinogen assessments, drinking water health advisories and summaries of EPA regulations. Available through the Public Health Network (PHNET), to be available through National Library of Medicine's TOXNET. Contact IRIS Users Support 513/569-7254.

STUDIES ON TOXICITY APPLICABLE TO RISK ASSESSMENT - STARA (EPA NCC-IBM System 3090 Mainframe)
EPA data base of quantitative toxicity data at the dose group level compiled from world scientific publications. The associated programs allow easy access to chemical-specific toxicity data, convert the raw data into common dose units of mg/kg/day, and provide graphs of the data as dose versus duration versus toxic severity. Available from TSSMS Office 919/541-3629.

AIR TOXICS

DATABASE OF INDOOR AIR POLLUTANT SOURCES - DIAPS (EPA)
EPA data base of pollutant emissions in the indoor environment and their sources. Contact the Air and Energy Engineering Research Laboratory, 919-541-1189.

NATIONAL AIR TOXICS INFORMATION CLEARINGHOUSE DATA BASE - NATICH (NATICH - EPA)
In-house data base of the EPA National Air Toxics Information Clearinghouse. Contains information collected from Federal, State, and local agencies, as well as research information from EPA and other organizations. Information collected from air pollution control agencies is organized according to agency, pollutant, and emission source, and includes the following: regulatory program descriptions and contacts; permitting data; acceptable ambient concentrations; ambient air monitoring information; source test data; emissions inventory data; and research and development information. In addition selected preliminary EPA risk assessment information is included in NATICH. Research information is presented in two categories: descriptions of ongoing research and regulatory development projects, and bibliographic citations/abstracts for published documents. NATICH is available to government agencies for direct access (Contact 919-541-0850) and to the public through NTIS (Contact 703-487-4807).

EMERGENCY RESPONSE

CHEMICAL HAZARD RESPONSE INFORMATION SYSTEM - CHRIS (CIS)
Contains emergency response and chemical handling information for 1,016 chemical substances. The fields of information covered in CHRIS include physical and chemical properties, health hazards, fire hazards, chemical reactivity, water pollution, shipping and labelling requirements, Coast Guard hazard assessment codes and classifications, and response and first aid information. Also available on CD-ROM (SilverPlatter) and in a microcomputer version on floppy disks (from CIS).

CHEMTREC HAZARD INFORMATION TRANSMISSION - HITS (CMA)
Chemical profiles giving emergency response information which represents an in-house synthesis of information from reference materials and MSDS's submitted by CHEMTREC members from industry. Users cannot search the data base, rather, specific information is downloaded to the user by HITS staff. Use of the data base requires pre-registration approval from CMA. Registration is limited to fire services, police and sheriff's departments, emergency medical services and other groups which respond to chemical emergencies. Operated by the Chemical Manufacturers Association.

HAZARDLINE (OHS, BRS)
Provides emergency response, safety, regulatory, and health information on 4,000+ chemicals. Data element for special bulletins for news/current awareness on chemicals. Handbook format; user friendly, menu driven system (on OHS). Produced by Occupational Health Services.

PUBLICATIONS INFORMATION

CURRENT CONTENTS SEARCH (BRS)
On-line version of the Institute for Scientific Information's Current Contents. Provides the tables of contents of current journals in the sciences and other subject areas and gives bibliographic information for each item listed.

GPO MONTHLY CATALOG (BRS, DIALOG)
Corresponds to printed Monthly Catalog of United States Government Publications. References reports, studies, fact sheets, maps, handbooks, conference proceedings, etc., issued by all U.S. agencies, including Congress. Also included are records of all Senate and House hearings on private and public bills and laws.

REGULATORY INFORMATION

CHEMICAL ACTIVITY STATUS REPORT - CASR (CIS)
Lists chemicals that EPA is studying or has studied in the course of regulatory or scientific research activities. Includes 19,000+ records covering 8,000+ unique chemicals. Summaries of EPA activities and contacts included.

CHEMICAL REGULATIONS AND GUIDELINES SYSTEM - CRGS (DIALOG)
Indexes U.S. federal regulatory material relating to the control of chemical substances, covering federal statutes, promulgated regulations, and available federal guidelines, standards, and support documents.

Indexed by chemical name and CAS registry number. Sponsored by the U.S. Interagency Regulatory Liaison Group. 4,500+ records on regulations in effect since June 1982.

NATIONAL PESTICIDE INFORMATION RETRIEVAL SYSTEM - NPIRS (NPIRS)
Includes 50,000+ pesticide products registered by EPA and registrations of several states. For each federally-registered product provides: Product name(s), registrant name and address, EPA registration number, type(s) of formulation and pesticidal activity, active ingredient name(s) and percentage(s), site(s) and crop(s), pest(s) for each site or crop. Includes Report from OPP, the newsletter of the EPA Office of Pesticide program. Soon to include EPA's Pesticide Data Management System Data base which will include information on 160,000+ different scientific studies and related documents submitted to EPA by companies seeking pesticide product registration.

CONTACT INFORMATION FOR ESTABLISHING On-line SYSTEMS ACCESS

BRS/BRS COLLEAGUE
BRS Information Service
8000 Westpark Drive
McLean, VA 22102
800-955-0906

CHEMICAL INFORMATION SYSTEM (CIS)
CIS, Inc.
Fein Marquart Associates
7215 York Road
Baltimore, MD 21212
800-247-8737

CHEMTREC HITS (CMA)
Chemical Manufacturers Assoc.
2501 M Street, N.W.
Washington, D.C. 20037
202-887-1255

DIALOG
Dialog Information Services, Inc.
Marketing Dept.B
3460 Hillview Avenue
Palo Alto, CA 94304
800-3DIALOG

ORBIT Search Service
Division of Maxwell On-Line, Inc.
8000 Westpark Drive
McLean, VA 22102
800-456-7248

MEDLARS
MEDLARS Management Section
National Library of Medicine
Bldg. 38A, Rm 4N421
Bethesda, MD 20894
800-638-8480

NATICH
Pollutant Assessment Branch, MD-13
U.S. EPA
Research Triangle Park, NC 27711
919-541-0850

OHS-HAZARDLINE/EHN
Occupational Health Services, Inc.
W. 42nd Street, 12th Floor
New York, NY 10036
212-789-3535

REPROTOX
Reproductive Toxicology Center
2425 L Street, N.W.
Washington, D.C. 20037
202-293-5137

CERIS/NPIRS
Center for Environmental and Regulatory Information Systems/
National Pesticide Information Retrieval System
NPIRS User Services Specialist
1231 Cumberland Avenue
West Lafayette, IN 47906-1317
317-494-6614

TOXNET
National Library of Medicine
Specialized Information Services
Biomedical Files Implementation Branch
8600 Rockville Pike
Bethesda, MD 20894
301-496-6531

INDEX

This index may be used as a guide to locate EPA offices and services that provide information pertaining to a specific key subject area (e.g., asbestos). Reference numbers, which refer to the specific reference number of the EPA offices and services listed in Sections I and II, are provided for each subject area listed below.

Key Subject Areas	Reference Number
Acid rain	27, 27.1
Asbestos	10, 11, 32.6
Best Available Control Technology (BACT)	2, 18, 28.3.1, 28.3.2
Cancer	5, 22, 28.3.3, 31.1.2, 36.1, 37.1.1
Carcinogen Risk Assessment	4, 5, 28.3.3, 36.1
Chemical Toxicity	1, 5, 12, 21, 23, 25, 26, 28.3.3, 31.1.2, 32.2, 32.4, 36, 36.1, 36.3, 37.1
Clean Air Act	10, 26, 27, 27.1, 27.2, 27.3, 28
Comprehensive Environmental Resource, Compensation, and Liability Act (CERCLA)	3, 7, 39, 39.1, 39.2, 39.3, 39.4
Control Technology	2, 18, 28, 28.2.1, 28.3, 28.3.1, 28.3.2, 32.1, 39
Document Distribution	1, 2, 6, 7, 8, 17, 18, 20, 32.5, 34, 34.1, 40
Drinking Water	5, 20, 37.1.5
Emergency Response - Chemical Spills or Releases	3, 23, 24, 25, 30, 39, 39.3
Emergency Response - Poisoning	23, 24, 26
Exposure Assessment	1, 12, 28.3.3, 29.1, 31.1, 31.1.1, 32.2, 32.3, 33, 33.2, 36.2, 39.2
Fuels	13, 15, 28.3.1, 29, 29.1

Greenhouse Effect	27.2
Hazardous Waste	7, 28.3.1, 33.3, 36.3, 37.1.5, 39, 39.1, 39.2, 39.3
Health Effects - Human	4, 5, 12, 24, 31.1, 31.1.2, 31.2, 32.4, 36, 36.1, 36.2, 36.3, 36.4, 37, 37.1, 37.1.1, 37.1.2, 37.1.3, 37.1.4, 37.1.5, 37.1.6, 39.2
Health Effects - Ecological	32.4, 33, 33.1, 33.2, 35, 35.1, 36
Hotlines	1, 2, 3, 7, 10, 11, 16, 19, 20, 21, 23, 25, 26
Indoor Air Pollution	22, 27, 27.3, 30, 36.4, 36.4.1
Lowest Achievable Emission Rate (LAER)	2, 18, 28.3.2
Mobile Sources	13, 15, 29, 29.1
Monitoring	6, 28, 28.1, 28.1.1, 28.1.2, 28.1.4, 30, 33, 33.1, 33.2, 33.3, 37.1.6, 39.1, 39.2
Motor Vehicles	15, 29, 29.1
Noncancer Risk Assessment	1, 5, 28.3.3, 31.1.2, 36, 36.1, 36.3, 36.4, 38
Permits	2, 6, 18, 31.1.2
Pesticides	20, 24, 26, 31, 31.1, 31.1.1, 31.1.2, 31.2, 31.2.1, 32, 33.1, 33.3, 37.1.5
Poison Control Centers	26
Radiation	25, 27, 30, 30.1, 30.2, 30.3, 33.3
Radon	16, 30.3
Reasonably Available Control Technology (RACT)	2, 18, 28.3.1, 28.3.2
Reproductive Effects	1, 31.1.2, 36, 36.1, 37.1, 37.1.1, 37.1.5
Resource, Conservation, and Recovery Act (RCRA)	7, 28.3.1
Right-To-Know	3, 8
Risk Communication	1, 19

Risk Reference Dose	4, 5
Superfund (see CERCLA)	3, 4, 7, 8, 25, 32.2, 33.3, 39, 39.1, 39.2, 39.3
Title III	3, 8, 32.5
Toxic Substances Control Act (TSCA)	9, 12, 32, 32.1, 32.2, 32.3, 32.4, 32.5, 32.6
Transport and Fate	28.1.3, 28.3, 28.3.3, 30.1, 31.2, 31.2.1, 32.2, 33.2, 35, 35.1, 36.2
Underground Storage Tank (UST)	7

AWBERC LIBRARY U.S. EPA