

## APPENDIX A

### *Waste Reduction Sources of Information*

U. S. EPA offices that can provide pollution prevention information include:

U.S. EPA Solid Waste Office  
Waste Management Division  
401 M Street SW  
Washington, D.C. 20460  
(703) 308-8402

U.S. EPA Office of Pollution Prevention and Toxics  
401 M Street SW  
Washington, D.C. 20460  
(202) 260-3810

U.S. EPA Office of Air and Radiation  
Mail Drop 6101  
401 M Street SW  
Washington, D.C. 20460  
Phone:(202) 260-7400  
Fax:(202) 260-5155

U.S. EPA Office of Water  
401 M Street SW  
Washington, D.C. 20460  
(202) 260-5700

U.S. EPA Office of Research & Development  
Center for Environmental Research Information  
26 Martin Luther King Drive  
Cincinnati, OH 45268  
(513) 569-7562

U.S. EPA Risk Reduction Engineering Laboratory  
26 Martin Luther King Drive  
Cincinnati, OH 45268  
(513) 569-7931

U.S. EPA Office of Solid Waste and Emergency Response  
[For questions regarding RCRA and Superfund (CERCLA), call (800) 424-9346 or

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(703) 920-9810. To reach the Analytical Hotline, call (703) 821-4789.]

U.S. EPA Regional Offices:

Region 1 (VT,NH,ME,MA,CT,RI)

One Congress Street  
John F. Kennedy Building  
Boston, MA 02203-0001  
Phone:(617) 565-3420  
Fax:(617) 565-3660  
Toll Free (800) 372-7341

Region 2 (NY, NJ, PR, VI)

290 Broadway - 26th Floor  
New York, NY 10007-1866  
Phone:(212) 637-5000  
Fax:(212) 637-3526

Region 3 (PA,DE,MD,WV,VA,DC)

1650 Arch Street (3PM52)  
Philadelphia, PA 19103  
Phone:(215) 814-5254  
Fax:(215) 814-5253

Region 4 (KY, TN, NC, SC, GA, FL, AL, MS)

100 Alabama Street, SW  
Atlanta, GA 30303  
Phone:(404) 562-9900  
Fax:(404) 562-8174  
Toll Free:(800) 421-1754

Region 5 (WI, MN, MI, IL, IN, OH)

77 West Jackson Blvd.  
Chicago, IL 60604-3507  
Phone:(312) 353-2000  
Fax:(312) 353-4135  
Toll Free:(800) 621-8431

Region 6 (NM, OK, AR, LA, TX)

1445 Ross Avenue Suite 1200  
Fountain Place 12th Floor  
Dallas, TX 75202-2733  
Phone:(214) 655-6444  
Fax:(214) 665-7113  
Toll Free:(800) 887-6063

Region 7 (NE, KS, MO, IA)  
726 Minnesota Ave.  
Kansas City, KS 66101  
Phone:(913) 551-7003  
Toll Free:(800) 223-0425

Region 8 (MT, ND, SD, WY, UT, CO)  
999 18th Street, Suite 500  
Denver, CO 80202-2466  
Phone:(303) 312-6312  
Toll Free:(800) 227-8917

Montana Operations Office  
U.S. EPA Federal Building  
301 South Park Drawer 10096  
Helena, MT 59626-0096  
U.S.A.  
Phone:(406) 441-1123

Region 9 (CA, NV, AZ, HI, GU)  
75 Hawthorne Street  
San Francisco, CA 94105  
Phone:(415) 744-1305  
Toll Free:(800) 231-3075

Region 10 (AK, WA, OR, ID)  
1200 6th Avenue  
Seattle, WA 98101  
Phone:(206) 553-1200  
Toll Free:(800) 424-4372

## APPENDIX A:Waste Reduction Sources of Information

### State Level:

The following lists agencies at the state or territory level as well as universities and other organizations that can provide assistance in the areas of pollution prevention and treatment:

#### **Alabama**

Department of Environmental Management  
1751 Congressman W.L. Dickenson Drive  
Montgomery, AL 36109-2608  
Information:(334) 271-7700  
Mailing Address: P.O. Box 301463  
Montgomery, AL 36130-1463

Additional Department of Environmental Management Field Offices in Alabama

110 Vulcan Road  
Birmingham, AL 35209-4702  
Phone:(205) 942-6168  
Fax:(205) 941-1603

2204 Perimeter Road  
Mobile, AL 36615-1131  
Phone:(334) 450-3400  
Fax:(334) 479-2593

2708 6th Avenue, SE  
Suite B  
Decatur, AL 35603  
Phone:(205) 353-1713  
Fax:(205) 340-9359

Environmental Institute for Waste Management Studies  
University of Alabama  
College of Engineering  
203 Bevill Building  
Tuscaloosa, AL 35487-0207  
Phone:(205) 348-8401  
FAX:(205) 348-9659  
Email: senigec@coe.eng.ua.edu

Hazardous Material Management and Resource Recovery Program (HAMMAR)  
University of Alabama  
Tuscaloosa, AL 35487-0203

(205) 348-8401  
FAX 348-9659

Retired Engineers Waste Reduction Program  
P.O. Box 1010  
Muscle Shoals, AL 35660  
(205) 386-2807

## **Alaska**

Alaska Health Project  
Waste Reduction Assistance Program  
1818 West Northern Lights, Suite 103  
Anchorage, AK 99517  
(907) 276-2864

Alaska Department of Environmental Conservation  
Pollution Prevention Program  
P.O. Box O  
Juneau, AK 9981-1800  
(907) 465-2671

Alaska Department of Environmental Conservation  
410 Willoughby Avenue  
Suite 105  
Juneau, AK 99801-1795  
Phone:(907) 465-5260  
FAX:(907) 465-5274

## **Arizona**

Arizona Department of Economic Planning and Development  
1645 West Jefferson St.  
Phoenix, AZ 85007  
(602) 255-5705

Arizona Department of Environmental Quality  
Office of Waste and Water Quality Management  
2005 N. Central Ave., Room 304  
Phoenix, AZ 85004  
(602) 257-2380

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### **Arkansas**

Arkansas Industrial Development Commission  
One State Capitol Mall  
Little Rock, AR 72201  
(501) 682-1121  
Arkansas Department of Pollution Control and Ecology  
Hazardous Waste Division - P.O. Box 8913  
Little Rock, AR 72219-8913  
(501) 570-2861

### **California**

California Environmental Protection Agency  
400 P Street  
Room 4310  
Sacramento, CA 95814  
Phone:(916) 324-9924  
FAX:(916) 324-1788

Bay Area Hazardous Waste Reduction Committee (BAHWRC)  
City of Berkeley Environmental Health  
2180 Milvia, Room 309  
Berkeley, CA 94708  
(415) 644-6510

State of California-EPA  
Department of Toxic Substances Control (DTSC)  
400 P Street  
P.O. Box 806  
Sacramento, CA 95812-0806  
Phone:(916) 322-0504

California Conference of Directors of Environmental Health  
Ventura County Environmental Health  
800 S. Victoria  
Ventura, CA 93009  
(805) 654-5039

California Environmental Business Resources Assistance Center  
100 South Anaheim Boulevard  
Suite 125

Anaheim, CA 92805  
(714) 563-0135  
(800) 352-5225

Central Valley Hazardous Waste Management Committee  
Environmental Management Division  
8475 Jackson Road, Suite 230  
Sacramento, CA 95826  
(916) 386-6160

Local Government Commission  
909 12th Street  
#205  
Sacramento, CA 95814  
(916) 448-1198

Pollution Prevention Program  
San Diego County Department of Health Services  
P.O. Box 85261  
San Diego, CA 92186-5261  
(619) 338-2205, -2215

## **Colorado**

Colorado Office of Environment  
Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80220-3716  
Phone:(303) 692-3004  
FAX:(303)782-4969

Pollution Prevention Waste Reduction Program  
Colorado Department of Health  
4210 E. 11th Ave.  
Denver, CO 80220

## **Connecticut**

Connecticut Department of Environmental Protection  
Bureau of Environmental Services  
79 Elm Street  
Hartford, CT 06106  
Phone:(203) 424-3579

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FAX:(203) 566-7232

Bureau of Waste Management  
Connecticut Department of Environmental Protection  
18-20 Trinity Street  
Hartford, CT 06101  
(203) 566-8476

Connecticut Technical Assistance Program  
900 Asylum Avenue, Suite 360  
Hartford, CT 06105  
(203) 241-077

### **Delaware**

Delaware Department of Natural Resources and Environmental Control  
89 Kings Highway  
Dover, DE 19901  
Phone:(302) 323-4542  
FAX:(302) 739 6242

Pollution Prevention Program in Dept. of Natural Resources & Environmental Control  
89 Kings Highway  
P.O. Box 1401  
Dover, DE 19903  
(302) 739-3822

### **District of Columbia**

Office of Recycling  
D.C. Department of Public Works  
2000 14th Street, NW, 8th Floor  
Washington, D.C. 20009  
(202) 939-7166

U.S. Department of Energy  
Conservation and Renewable Energy  
Office of Industrial Technologies  
Office of Waste Reduction  
Waster Material Management Division  
Bruce Cranford CE-222  
Washington, D.C. 20585

(2020) 586-9496

**Florida**

Florida Department of Environmental Protection  
Douglas Building  
3900 Commonwealth Blvd.  
Tallahassee, FL 32399-3000  
Phone:(904) 488-7454  
FAX:(904) 488-7093

Hazardous Waste Reduction Management  
Waste Reduction Assistance Program  
Florida Dept. of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
(904) 488-0300

Environmental Quality Corporation  
259 Timberlane Road  
Tallahassee, FL 32312-1542  
(904) 386-7740

Waste Reduction Assistance Program  
Florida Dept. of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
(904) 488-0300

**Georgia**

Hazardous Waste Technical Assistance Program  
Georgia Institute of Technology  
GTRI/ESTL  
151 6th Street  
O'Keefe Building, Room 143  
Atlanta, GA 30332  
(404) 894-3806

Environmental Protection Division  
Georgia Department of Natural Resources  
205 Butler Street S.E.Suite 1152

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Atlanta, GA 30334  
Phone:(404) 656-4713  
FAX:(404)651-5778

### **Guam**

Solid and Hazardous Waste Management Program  
Guam EPA  
IT&E Harmon Plaza Complex, Unit D-107  
130 Rojas Street  
Harmon, GU 96911  
(671) 646-8863-5

### **Hawaii**

Department of Planning and Economic Development  
Financial Management and Assistance Branch  
P.O. Box 2359  
Honolulu, HI 96813  
(808) 548-4617

Hawaii Department of Health  
Solid and Hazardous Waste Branch  
Waste Minimization  
5 Waterfront Plaza, Suite 250  
500 Ala Moana Blvd.  
Honolulu, HI 96813  
(808) 586-4226

### **Idaho**

Division of Environmental Quality  
Department of Health and Welfare  
1410 North Hilton St.  
Statehouse Mail  
Boise, ID 83720-9000  
Phone:(208) 373-5879  
FAX:(208) 373-0576

### **Illinois**

Illinois Department of Natural Resources

325 West Adams, Room 300  
Springfield, IL 62704-1894  
Phone:(217) 785-0138  
FAX:(217) 785-8575

Hazardous Waste Research and Information Center  
Illinois Department of Energy & Natural Resources  
One E. Hazelwood Drive  
Champaign, IL 61820  
(217) 333-8940

Industrial Waste Elimination Research Center  
Pritzker Department of Environmental Engineering  
Illinois Institute of Technology  
3201 South Dearborn  
Room 103 Alumni Memorial Hall  
Chicago, IL 60616  
(312) 567-3535

Illinois Environmental Protection Agency  
Office of Pollution Prevention  
2200 Churchill Road  
P.O. Box 19276  
Springfield, IL 62794-9276  
Phone:(217) 785-5735  
FAX:(217) 782-9039

## **Indiana**

Environmental Management & Education Program  
School Civil Engineering  
Purdue University  
2129 Civil Engineering Building  
West Lafayette, IN 47907-1284  
(317)-494-5036

Indiana Department of Environmental management  
100 North Senate, IGNC 1303  
Indianapolis, IN 46206  
Phone:(317) 233-3043  
FAX:(317) 232-8564

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Indiana Department of Environmental Management  
Office of Technical Assistance  
P.O. Box 6015105  
South Meridian Street  
Indianapolis, IN 46206-6015  
(317) 232-8172

### **Iowa**

Iowa Department of Natural Resources  
Wallace State Office Building  
900 East Grand Avenue  
Des Moines, IA 50319-0034  
Phone:(515) 281-6284  
Fax:(515) 281-8895

Iowa Department of Natural Resources  
Energy Division  
Wallace State Office Bldg.  
900 East Grand Avenue  
Des Moines, IA 50319  
Phone:(515) 281-8518  
FAX:(515) 281-6794

Iowa Waste Reduction Center  
75 BRC  
University of Northern Iowa  
Cedar Falls, IA 50614  
(800) 422-3109  
(319) 273-2079

Iowa Waste Reduction Center  
University of Northern Iowa  
75 Biology Research Complex  
Cedar Falls, IA 50614  
(319) 273-2079

### **Kansas**

Division on Environment  
Department of Health and Environment  
Forbes Field, Building 740  
Topeka, KS 66620

Phone:(913) 296-1535  
FAX:(913) 296-8464

Engineering Extension Program  
Ward Hall 133  
Kansas State University  
Manhattan, KS 66506  
(913) 532-6026

## **Kentucky**

Kentucky Natural Resources and Environmental Protection Cabinet  
Capital Plaza Tower, 5th Floor  
500 Mero Street  
Frankfort, KY 40601  
Phone:(502) 564-3350  
FAX:(502) 564-3354

Waste Minimization Assessment Center  
Department of Chemical Engineering  
University of Louisville  
Louisville, KY 40292  
(502) 588-6357

Kentucky Partners  
Room 312  
Ernst Hall  
University of Louisville  
Louisville, KY 40292  
(502) 588 7260

## **Louisiana**

Louisiana Department of Environmental Quality  
PO Box 82263  
Baton Rouge, LA 70884-2263  
Phone:(504) 765-0741  
FAX:(504) 765-0746

Department of Environmental Quality  
Office of Solid and Hazardous Waste  
P.O. Box 82178  
Baton Rouge, LA 70884-2178

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(504) 765-0355

Alternate Technologies Research and Development  
Office of the Secretary  
Louisiana Department of Environmental Quality  
P.O. Box 44066  
Baton Rouge, LA 70804  
(504) 342-1254

### **Maine**

Office of Pollution Prevention  
Department of Environmental Protection  
State House Station 17  
Augusta, ME 04333  
Phone:(207) 289-2811

Office of Waste Reduction and Recycling  
Maine Waste Management Agency  
State House Station 154  
Augusta, ME 04333  
(207) 289-5300

### **Maryland**

Hazardous and Solid Waste Management Administration  
Maryland Department of the Environment  
2500 Broening Highway - Bldg. 40  
Baltimore, MD 21224  
(301) 631-3315

Maryland Environment Service  
2020 Industrial Drive  
Annapolis, MD 21401  
(301) 454-1941

Technical Extension Service  
Engineering Research Center  
University of Maryland  
College Park, MD 20742  
(301) 454 1941

## Massachusetts

Executive Office of Environmental Affairs/Office of Technical Assistance  
100 Cambridge Street, Room 1904  
Boston, MA 02202  
(617) 727-3260

Source Reduction Program  
Massachusetts Department of Environmental Protection  
1 Winter Street, 7th Floor  
Boston, MA 02108  
(617) 292-5870

Massachusetts Department of Environmental Protection  
75 Grove Street  
Worcester, MA 01606  
(508) 792-7650

## Michigan

Resource Recovery Section  
Department of Natural Resources  
P.O. Box 30241  
Lansing, MI 48909  
(517) 373-0540

Office of Waste Reduction Services  
Michigan Departments of Commerce and Natural Resources  
P.O. Box 30004  
Lansing, MI 48909  
(517) 335-1178

## Minnesota

Minnesota Pollution Control Agency  
Solid and Hazardous Waste Division  
520 Lafayette Road  
St. Paul, MN 55155-4194  
Phone:(612) 296-6300  
Toll Free:(800) 657-3864

Additional Offices for Minnesota Pollution Control Agency

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*Brainerd Regional Office*

MPCA North Central Regional Office  
1601 Minnesota Drive  
Brainerd, MN 56401 (218) 828-2492

*Detroit Lakes Regional Office*

MPCA Northwest Regional Office  
714 Lake Avenue  
Lake Avenue Plaza, Suite 220  
Detroit Lakes, MN 56501  
Phone:(218)847-1519

*Duluth Regional Office*

MPCA Northeast Regional Office  
Duluth Government Service Center  
Room 704, 320 W. Second Street  
Duluth, MN 55802  
Phone:(218) 723-4660

*Marshall Regional Office*

MPCA Southwest Regional Office  
700 North Seventh Street  
Marshall, MN 56258  
Phone:(507) 537-7146  
Fax:(507) 537-6001

*Rochester Regional Office*

MPCA Southeast Regional Office  
18 Wood Lake Drive SE  
Rochester, MN 55904  
Phone:(507) 285-7343  
Fax:(507) 280-5513

*Minnesota Technical Assistance Program*

1313 5th Street S.E., Suite 207  
Minneapolis, MN 55414  
(612) 627-4646  
(800) 247-0015 (in Minnesota)

*Minnesota Office of Waste Management*

1350 Energy Lane  
St. Paul, MN 55108

(612) 649-5741

Waste Reduction Institute for Training Application  
Research, Inc. (WRITAR)  
1313 5th Street, S.E.  
Minneapolis, MN 55414  
(612) 379-5995

## Mississippi

Waste Reduction & Minimization Program  
Bureau of Pollution Control  
Department of Environmental Quality  
P.O. Box 20305  
Jackson, MS 39289-1305  
Phone:(601) 961-5545  
FAX:(601) 354-6612  
Mississippi Technical Assistance Program (MISSTAP) and Mississippi Solid Waste Reduction  
Assistance Program (MSWRAP)  
P.O. Drawer CN  
Mississippi State, MS 39762  
(601) 325-8454

## Missouri

Missouri Environmental Improvement and Energy Resource Authority  
P.O. Box 744  
325 Jefferson St.  
Jefferson City, MO 65102  
(314) 751-4919

Missouri Department of Natural Resources  
Hazardous Waste Program  
P.O. Box 176  
Jefferson City, MO 65102 - 0176  
Phone:(314) 751-3176  
FAX:(314) 751-7869

Missouri Department of Natural Resources  
Division of Energy  
P.O. Box 176  
Jefferson City, MO 65102 - 0176  
Phone:(314) 751-4000

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### **Montana**

Montana Environmental Quality Council  
Room 106  
State Capitol  
Helena, MT 59620  
Phone:(406) 444-3742  
FAX:(406) 444-3036

Department of Health and Environmental Sciences  
Room A-206  
Cogswell Building  
Helena, MT 59620  
(406) 444-3454

Solid and Hazardous Waste Bureau  
Department of Health and Environmental Sciences  
Cogswell Building  
Room B-201  
Helena, MT 59620  
(406) 444-2821

### **Nebraska**

Groundwater Section  
Nebraska Department of Environmental Quality  
P.O. Box 98922  
Statehouse Station  
Lincoln, NE 68509-8922  
Phone:(402) 471-0096  
FAX:(402) 471-2909

### **Nevada**

Nevada Small Business Development Center - Technical Assistance Program  
Business Environmental Program  
College of Business Administration, MS032  
University of Nevada - Reno  
Reno, NV 89557-0100  
(702) 784-1717  
(800) 882-3233

Division of Conservation and Natural Resources  
333 West Nye Lane, Room 128  
Capitol Complex  
Carson City, NV 89710  
Phone:(702) 687-4670  
FAX:(702) 687-5856

State Energy Conservation Program  
Office of Community Services  
Nevada Energy Program  
Capital Complex  
44 W. King  
Carson City, NV 89710  
(702) 687-4990

### **New Hampshire**

New Hampshire Department of Environmental Services  
PO Box 95  
6 Hazen Drive  
Concord, NH 03302-0095  
Phone:(603) 271-3503  
FAX:(603) 271-2867

### **New Jersey**

New Jersey Hazardous Waste Facilities Siting Commission  
Room 614  
28 West State Street  
Trenton, NJ 08608  
(609) 292-1459  
(609) 292-1026

Hazardous Waste Advisement Program  
New Jersey Department of Environmental Protection & Energy  
401 East State Street  
Trenton, NJ 08625  
(609) 777-0518

New Jersey Institute of Technology  
Hazardous Substance Management Research Center  
Advanced Technology Center Building

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323 Martin Luther King Jr. Blvd.  
University Heights  
Newark, NJ 07102  
(201) 596-5864

Environmental Research and Health Assessment  
Division of Science and Research  
New Jersey Department of Environmental Protection  
CN 409  
401 East State Street, Floor 7  
Trenton, NJ 08625-0409  
Phone:(609) 633-3834

### **New Mexico**

Economic Development Department  
Bataan Memorial Building  
State Capitol Complex  
Santa Fe, NM 87503  
(505) 827-0380

Hazardous and Radiation Waste Bureau  
Environmental Improvement Division  
1190 St. Francis Drive  
Santa Fe, NM 87503  
(505) 827-2926

State of New Mexico Environment Department  
Groundwater Remediation Section  
1190 Saint Francis Drive  
O.O. Box 26110  
Sana Fe, New Mexico 87502  
Phone:(505) 827-2831  
FAX:(505) 827-2965

### **New York**

New York Environmental Facilities Corporation  
50 Wolf Road  
Albany, NY 12205  
(518) 457-4222

Environmental Compliance Services  
Erie County Office Building  
95 Franklin Street  
Buffalo, NY 14202  
(716) 846-6716

**North Carolina**

Department of Environmental, Health, and Natural Resources  
Pollution Prevention Pays Program  
Office of Waste Reduction  
3825 Barrett Drive, 3rd Floor  
Raleigh, NC 27609-7221  
(919) 733-7015 or (919) 571-4100  
Waste Reduction Resource Center  
3825 Barrett Drive, Suite 300  
P.O. Box 27687  
Raleigh, NC 27611-7687  
(919) 571-4100  
(800) 476-8686

**North Dakota**

Environmental Health Section  
State Department of Health  
1200 Missouri Ave.  
Bismarck, ND 58502  
(701) 258-2070

Division of Waste Management  
Department of Health  
1200 Missouri Ave., Room 302  
Bismarck, ND 58502-5520  
(701) 224-2366

**Ohio**

Division of Solid and Infectious Waste  
Attn.: Pollution Prevention Section  
Ohio Environmental Protection Agency  
P.O. Box 1049

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1800 Watermark Dr.  
Columbus, OH 43266-0149  
(614) 644-2917

Ohio Technology Transfer Organization (OTTO)  
Ohio Department of Development  
77 South High Street, 26th Floor  
Columbus, OH 43225-0330  
(614) 644-4286

Ohio Department of Natural Resources  
Fountain Square  
Columbus, OH 43224-1387  
(614) 265-6333

Ohio Environmental Protection Agency  
Division of Solid and Hazardous Waste Management  
Pollution Prevention Section  
P.O. Box 1049  
Columbus, OH 43216-1049  
Phone:(614) 644-2917  
Fax:(614) 728-1245

### **Oklahoma**

Oklahoma State Department of Health  
Hazardous Waste Management Service  
1000 N.E. 10th St.  
Oklahoma City, OK 73117  
(405) 271-5338

Hazardous Waste Management Service  
Oklahoma State Department of Health  
1000 Northeast 10th Street  
(405) 271-7047

### **Oregon**

Oregon Hazardous Waste Reduction Assistance Program  
Department of Environmental Quality  
811 Southwest Sixth Avenue

Portland, OR 97204-1390  
(503) 229-5913 (6570)  
(800) 452-4011 (in Oregon)

## **Pennsylvania**

Pennsylvania Technical Assistance Program  
248 Calder Way, Suite 306  
University Park, PA 16801  
(814) 865-0427

Center of Hazardous Material Research  
Subsidiary of the University of Pittsburgh Trust  
320 William Pitt Way  
Pittsburgh, PA 15238  
(412) 826-5320  
(800) 334-2467

Division of Waste Minimization and Planning  
Department of Environmental Resources  
P.O. Box 2064  
Harrisburg, PA 17120  
(717) 787-7382

Technical Specialist  
PENNTAP  
112 S. Burrowes Street  
University Park, PA 16801  
(814) 865-1914

NETAC  
University of Pittsburgh Applied Research Center  
615 William Pitt Way  
Pittsburgh, PA 15238  
(412) 826-5511

## **Puerto Rico**

Government of Puerto Rico  
Economic Development Administration

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Box 362350  
San Juan, PR 00936  
(809) 758-4747

### **Rhode Island**

Office of Environmental Coordination  
Rhode Island Department of Environmental Management  
83 Park Street  
Providence, RI 02903  
(401) 277-3434  
(800) 253-2674 (in Rhode Island)

### **South Carolina**

Center for Waste Minimization/ Hazardous Waste  
Department of Health and Environmental Control  
2600 Bull Street  
Columbia, SC 29201  
(803) 734-5200

Hazardous Waste Management Research Fund  
Institute for Public Affairs  
4th Floor, Ganbrell Hall  
University of South Carolina  
Columbia, SC 29208  
(803) 777-8157

Clemson University  
Continuing Engineering Education Program  
P.O. Drawer 1607  
Clemson, SC 29633  
(803) 656-4450

Sumter Technical College  
South Carolina Environmental Training Center  
506 N. Guignard Dr.  
Sumter, SC 29150

## South Dakota

Dept. of Environmental and Natural Resources  
523 East Capitol  
Pierre, SD 57501-3181  
(605) 773-3151

Division of Environmental Regulations  
Department of Water and Natural Resources  
Joe Foss Building, Room 416  
523 E. Capital Ave.  
Pierre, SD 57501  
(605) 773-3153

## Tennessee

Tennessee Valley Authority  
Mail Code Old City Hall Building 2f71b  
Knoxville, TN 37901  
(615) 632-3160

Tennessee Valley Authority  
Mail Code HV2S27OC  
Chattanooga, TN 37402  
(615) 751-3731

Tennessee Valley Authority  
1195 Antioch Pike  
Nashville, TN 37219  
(615) 360-1680

Waste Reduction Assistance Program  
Center for Industrial Services  
University of Tennessee  
226 Capitol Blvd. Building  
Suite 401  
Nashville, TN 37219  
(615) 242-2456

## **APPENDIX A:Waste Reduction Sources of Information**

### **Texas**

RENEW

Texas Water Commission  
P.O. Box 13087 Capitol Station  
Austin, TX 78711-7761  
(512) 463-7761

Texas Technical University  
P.O. Box 4679  
Lubbock, TX 79409-3121  
(806) 742-1413

### **Utah**

Department of Chemical Engineering  
3290 MEB  
University of Utah  
Salt Lake City, UT 84112  
(801) 581-5763

Department of Environmental Quality  
288 North 1460 West  
Salt Lake City, UT 84114-4810  
(801) 538-6121

Utah State University  
UMC 14  
Logan, UT 84322  
(801) 750-3227

Planning and Program Development  
Bureau of Solid and Hazardous Waste Management  
Utah Department of Health  
P.O. Box 16690  
288 North 1460 West Street  
Salt Lake City, UT 84116-0690  
(801) 538-6170

### **Vermont**

Vermont Department of Environmental Conservation  
Pollution Prevention Division  
103 South Main Street  
Waterbury, VT 05671-0404

**Washington**

Hazardous Waste Section  
Mail Stop PV-11  
P.O. Box 47600  
Washington Department of Ecology  
Olympia, WA 98504-7600  
(206) 459-6000

**West Virginia**

Generator Assistance Program  
Waste Management Section  
West Virginia Division of Natural Resources  
1356 Hansford Street  
Charleston, WV 25301  
(304) 348-5989

**Wisconsin**

Bureau of Solid Waste Management  
Wisconsin Department of Natural Resources  
P.O. Box 7921  
01 South Webster Street  
Madison, WI 53707  
(608) 267-3763

**Wyoming**

Wyoming Department of Environmental Quality  
Solid Waste Management Program  
Herschler Building, 4th Floor, West Wing  
122 West 25th Street  
Cheyenne, WY 82002  
(307) 777-7752

*Sources of AR Ideas*

1. Common sense ideas (usually housekeeping or simple recycling measures)
2. EPA Publications
  - Guides to Pollution Prevention Series
  - Environmental Research Briefs for the Waste Minimization Assessment Center Program (1988-1993)
  - Pollution Prevention Information Exchange System (PIES)
  - Periodical: Pollution Prevention News (quarterly)
3. State Waste Reduction Programs; Example: The University of Tennessee Center for Industrial Services Waste Reduction Assistance Program:
  - General literature: Waste Reduction Assessment and Technology Transfer Training Manual
  - Periodical Literature: Waste Reduction Assistance Program "WRAP Sheet" Newsletter
4. Textbooks
  - Higgins, T. "Hazardous Waste Minimization Handbook", Lewis Publishers, Chelsea, Michigan 1989.
5. Periodicals
  - Pollution Engineering, Thomas Mehalko, Publisher, Des Plaines, Illinois, monthly (complimentary subscriptions available).
  - Pollution Prevention Review, Executive Enterprises Publications, New York (quarterly)
6. AR Checklists
  - Jendrucko, R. et. al., "Industrial Pollution Prevention Assessment Guide: Compendium of Processes Producing Waste, Waste Stream Classifications and Pollution Prevention Measures with Literature References," The University of Tennessee Department of Engineering Science and Mechanics, December 1993.
7. Equipment Vendor Literature
8. Rutgers University Database

*Pollution Prevention Publications*

Publications can be ordered at:

CERI PUBLICATIONS UNIT, US EPA  
 26 W. MARTIN LUTHER KING DRIVE  
 CINCINNATI, OH 45268  
 (513)-569-7562

**Pollution and Waste**

<u>GUIDES TO POLLUTION PREVENTION:</u>	<u>DOCUMENT #</u>
THE PESTICIDE FORMULATING INDUSTRY	EPA/625/7-90/004
THE PAINT MANUFACTURING INDUSTRY	EPA/625/7-90/005
THE FABRICATED METAL PRODUCTS INDUSTRY	EPA/625/7-90/006
THE PRINTED CIRCUIT BOARD MANUFACTURING INDUSTRY	EPA/625/7-90/007
THE COMMERCIAL PRINTING INDUSTRY	EPA/625/7-90/008
SELECTED HOSPITAL WASTE STREAMS	EPA/625/7-90/009
RESEARCH AND EDUCATIONAL INSTITUTIONS	EPA/625/7-90/010
THE PHOTOPROCESSING INDUSTRY	EPA/625/7-91/012
THE AUTOMOTIVE REPAIR INDUSTRY	EPA/625/7-91/013
THE FIBERGLASS REINFORCED & COMPOSITE PLASTICS INDUSTRIES	EPA/625/7-91/014
MARINE MAINTENANCE AND REPAIR INDUSTRY	EPA/625/7-91/015
THE AUTOMOTIVE REFINISHING INDUSTRY	EPA/625/7-91/016
THE PHARMACEUTICAL INDUSTRY	EPA/625/7-91/017
THE METAL CASTING AND HEAT TREATING INDUSTRY	EPA/625/R-92/009
METAL FINISHING INDUSTRY	EPA/625/R-92/011
MECHANICAL EQUIPMENT REPAIR	EPA/625/R-92/008
NON-AGRICULTURAL PESTICIDE USERS	EPA/625/R-93/009
<u>OTHER MANUALS:</u>	
FACILITY PREVENTION GUIDE	EPA/600/R-92/088
OPPORTUNITIES FOR POLLUTION PREVENTION RESEARCH TO SUPPORT THE 33/50 PROGRAM	EPA/600/R-92/175

**APPENDIX A: Pollution Prevention Publications**

LIFE CYCLE DESIGN GUIDANCE MANUAL	EPA/600/R-92/226
LIFE CYCLE ASSESSMENT: INVENTORY GUIDELINES AND PRINCIPLES	EPA/600/R-92/245
POLLUTION PREVENTION CASE STUDIES COMPENDIUM	EPA/600/R-92/046
INDUSTRIAL POLLUTION PREVENTION OPPORTUNITIES FOR THE 1990'S	EPA/600/8-91/052
ACHIEVEMENTS IN SOURCE REDUCTION AND RECYCLING FOR TEN INDUSTRIES IN THE UNITED STATES	EPA/600/2-91/051
BACKGROUND DOCUMENT ON CLEAN PRODUCTS RESEARCH AND IMPLEMENTATION	EPA/600/2-90/048
OPPORTUNITIES FOR POLLUTION PREVENTION RESEARCH TO SUPPORT THE 33/50 PROGRAM	EPA/600/R-92/175
WASTE MINIMIZATION PRACTICES AT TWO CCA WOOD TREATMENT PLANTS	EPA/600/R-93/168
WMOA REPORT AND SUMMARY - FORT RILEY, KANSAS	EPA/600/S2-90/031
WMOA REPORT AND SUMMARY - PHILADELPHIA NAVAL SHIPYARD	EPA/600/S2-90/046
WMOA REPORT AND SUMMARY - COAST GUARD/GOVERNOR'S ISLAND	EPA/600/S2-90/062
MANAGEMENT OF HOUSEHOLD AND SMALL-QUALITY-GENERATOR HAZARDOUS WASTE IN THE UNITED STATES	EPA/600/S2-89/064
WMOA REPORT AND SUMMARY - NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WA	EPA/600/S2-91/030
WMOA REPORT AND SUMMARY - OPTICAL FABRICATION LABORATORY, FITZSIMMONS ARMY MEDICAL CENTER, DENVER, COLORADO	EPA/600/S2-91/031
WMOA REPORT AND SUMMARY - A TRUCK ASSEMBLY PLANT	EPA/600/S2-91/038
WMOA REPORT AND SUMMARY - A PHOTOFINISHING FACILITY	EPA/600/S2-91/039
WMOA REPORT AND SUMMARY - SCOTT AIR FORCE BASE	EPA/600/S2-91/054
GUIDANCE DOCUMENT FOR THE WRITE PILOT PROGRAM WITH STATE AND LOCAL GOVERNMENTS	EPA/600/S8-89/070
MACHINE COOLANT WASTE REDUCTION BY OPTIMIZING COOLANT LIFE	EPA/600/S2-90/033

RECOVERY OF METALS USING ALUMINUM DISPLACEMENT	EPA/600/S2-90/032
METAL RECOVERY/REMOVAL USING NON-ELECTROLYTIC METAL RECOVERY	EPA/600/S2-90/033
EVALUATION OF FIVE WASTE MINIMIZATION TECHNOLOGIES AT THE GENERAL DYNAMICS POMONA DIVISION PLANT	EPA/600/S2-91/067
AN AUTOMATED AQUEOUS ROTARY WASHER FOR THE METAL FINISHING INDUSTRY	EPA/600/SR-92/188
AUTOMOTIVE AND HEAVY-DUTY ENGINE COOLANT RECYCLING BY FILTRATION	EPA/600/S2-91/066
AUTOMOTIVE AND HEAVY-DUTY ENGINE COOLANT RECYCLING BY DISTILLATION	EPA/600/SR-92/024
ONSITE WASTE INK RECYCLING	EPA/600/SR-92/251
DIAPER INDUSTRY WORKSHOP REPORT	EPA/600/S2-91/251
INDUSTRIAL POLLUTION PREVENTION OPPORTUNITIES FOR THE 1990'S	EPA/600/SR-91/052
HOSPITAL POLLUTION PREVENTION CASE STUDY	EPA/600/S2-91/024
WASTE MINIMIZATION AUDIT REPORT: CASE STUDIES OF MINIMIZATION OF CYANIDE WASTE FROM ELECTROPLATING OPERATIONS	EPA/600/S2-87/055
WASTE MINIMIZATION AUDITS AT GENERATORS OF CORROSIVE AND HEAVY METAL WASTES	EPA/600/S2-87/056
WASTE MINIMIZATION AUDIT REPORT: CASE STUDIES OF MINIMIZATION OF SOLVENT WASTES FROM PARTS CLEANING AND FROM ELECTRONIC CAPACITOR MANUFACTURING OPERATIONS	EPA/600/S2-87/057
WASTE MINIMIZATION IN THE PRINTED CIRCUIT BOARD INDUSTRY - CASE STUDIES	EPA/600/S2-88/008
WASTE MINIMIZATION AUDIT REPORT: CASE STUDIES OF MINIMIZATION OF SOLVENT WASTES AND ELECTROPLATING WASTES AT A DOD INSTALLATION	EPA/600/S2-88/010
WASTE MINIMIZATION AUDIT REPORT: CASE STUDIES OF MINIMIZATION OF MERCURY-BEARING WASTES AT A MERCURY CELL CHLORALKALI PLANT	EPA/600/S2-88/011
WASTE MINIMIZATION IN THE PRINTED CIRCUIT BOARD INDUSTRY - CASE STUDY	EPA/600/S2-88/008
POLLUTION PREVENTION OPPORTUNITY ASSESSMENT: USDA BELTSVILLE AGRICULTURAL RESEARCH CENTER, BELTSVILLE MARYLAND	EPA/600/SR-93/008

## APPENDIX A: Pollution Prevention Publications

POLLUTION PREVENTION OPPORTUNITY ASSESSMENT FOR TWO LABORATORIES AT SANDIA NATIONAL LABORATORIES	EPA/600/SR-93/015
INK AND CLEANER WASTE REDUCTION EVALUATION FOR FLEXOGRAPHIC PRINTERS	EPA/600/SR-93/086
MOBILE ONSITE RECYCLING OF METALWORKING FLUIDS	EPA/600/SR-93/114
EVALUATION OF ULTRAFILTRATION TO RECOVER AQUEOUS IRON PHOSPHATING/DEGREASING BATH	EPA/600/SR-93/144
RECYCLING NICKEL ELECTROPLATING RINSE WATERS BY LOW TEMPERATURE EVAPORATION AND REVERSE OSMOSIS	EPA/600/SR-93/160

### Environmental Research Briefs

<u>WASTE MINIMIZATION ASSESSMENT FOR A:</u>	<u>EPA DOCUMENT #</u>
MANUFACTURER OF PRINTED PLASTIC BAGS	EPA/600/M-90/017
METAL PARTS COATING PLANT	EPA/600/M-91/015
MANUFACTURER OF OUTDOOR ILLUMINATED SIGNS	EPA/600/M-91/016
MANUFACTURER OF REBUILT RAILWAY CARS AND COMPONENTS	EPA/600/M-91/017
MANUFACTURER OF BRAZED ALUMINUM OIL COOLERS	EPA/600/M-91/018
MANUFACTURER OF HEATING, VENTILATING, AND AIR CONDITIONING EQUIPMENT	EPA/600/M-91/019
BUMPER REFINISHING PLANT	EPA/600/M-91/020
MULTILAYERED PRINTER CIRCUIT BOARD MANUFACTURING	EPA/600/M-91/021
MANUFACTURER OF PRINTED CIRCUIT BOARDS	EPA/600/M-91/022
PAINT MANUFACTURING PLANT	EPA/600/M-91/023
MANUFACTURER OF COMPRESSED AIR EQUIPMENT COMPONENTS	EPA/600/M-91/024
MANUFACTURER OF ALUMINUM CANS	EPA/600/M-91/025
MANUFACTURER OF REFURBISHED RAILCAR BEARING ASSEMBLIES	EPA/600/M-91/044
MANUFACTURER OF PROTOTYPE PRINTED CIRCUIT BOARDS	EPA/600/M-91/045
MANUFACTURER OF SPEED REDUCTION EQUIPMENT	EPA/600/M-91/046

MANUFACTURER OF PRINTED LABELS	EPA/600/M-91/047
MANUFACTURER OF CHEMICALS	EPA/600/S-92/004
A DAIRY	EPA/600/S-92/005
MANUFACTURER OF METAL-CUTTING WHEELS AND COMPONENTS	EPA/600/S-92/006
MANUFACTURER OF AUTOMOTIVE AIR CONDITIONING CONDENSERS AND EVAPORATORS	EPA/600/S-92/007
PRINTED CIRCUIT BOARD MANUFACTURER	EPA/600/S-92/008
MANUFACTURER OF COMPONENTS FOR AUTOMOBILE AIR CONDITIONERS	EPA/600/S-92/009
MANUFACTURER OF ALUMINUM EXTRUSIONS	EPA/600/S-92/010
MANUFACTURER PRODUCING GALVANIZED STEEL PARTS	EPA/600/S-92/011
MANUFACTURER OF COMMERCIAL ICE MACHINES AND ICE STORAGE BINS	EPA/600/S-92/012
MANUFACTURER OF WATER ANALYSIS INSTRUMENTATION	EPA/600/S-92/013
MANUFACTURER OF CAN MANUFACTURING EQUIPMENT	EPA/600/S-92/014
MANUFACTURER OF METAL BANDS, CLAMPS, RETAINERS, AND TOOLING	EPA/600/S-92/015
MANUFACTURER OF PERMANENT-MAGNET DC ELECTRIC MOTORS	EPA/600/S-92/016
MANUFACTURER OF MILITARY FURNITURE	EPA/600/S-92/017
ALUMINUM EXTRUSIONS MANUFACTURER	EPA/600/S-92/018
MANUFACTURER OF METAL PLATED DISPLAY RACKS	EPA/600/S-92/019
MANUFACTURER OF MOTOR VEHICLE EXTERIORS	EPA/600/S-92/020
MANUFACTURER OF SHEET METAL CABINETS AND PRECISION METAL PARTS	EPA/600/S-92/021
MANUFACTURER PRODUCING TREATED WOOD PRODUCTS	EPA/600/S-92/022
MANUFACTURER OF INDUSTRIAL COATINGS	EPA/600/S-92/028
MANUFACTURER OF CUTTING AND WELDING EQUIPMENT	EPA/600/S-92/029
MANUFACTURER OF FINISHED METAL COMPONENTS	EPA/600/S-92/030
MANUFACTURER OF MACHINED PARTS	EPA/600/S-92/031

**APPENDIX A: Pollution Prevention Publications**

MANUFACTURER OF INJECTION-MOLDED CAR AND TRUCK MIRRORS	EPA/600/S-92/032
MANUFACTURER PRODUCING PRINTED CIRCUIT BOARDS	EPA/600/S-92/033
MANUFACTURER OF CUSTOM MOLDED PLASTIC PARTS	EPA/600/S-92/034
MANUFACTURER OF SHEET METAL COMPONENTS	EPA/600/S-92/035
MANUFACTURER OF SILICON-CONTROLLED RECTIFIERS AND SCHOTTKY RECTIFIERS	EPA/600/S-92/036
MANUFACTURER OF PENNY BLANKS AND ZINC PRODUCTS	EPA/600/S-92/037

**New Jersey Research Briefs**

<u>WASTE REDUCTION ACTIVITIES AND OPTIONS FOR A:</u>	<u>EPA DOCUMENT #</u>
PRINTER OF FORMS AND SUPPLIES FOR THE LEGAL PROFESSION	EPA/600/S-92/003
NUCLEAR POWERED ELECTRICAL GENERATING STATION	EPA/600/S-92/025
STATE DOT MAINTENANCE FACILITY	EPA/600/S-92/026
LOCAL BOARD OF EDUCATION IN NEW JERSEY	EPA/600/S-92/027
MANUFACTURER OF FINISHED LEATHER	EPA/600/S-92/039
MANUFACTURER OF PAINTS PRIMARILY FOR METAL FINISHING	EPA/600/S-92/040
MANUFACTURER OF WRITING INSTRUMENTS	EPA/600/S-92/041
MANUFACTURER OF ROOM AIR CONDITIONER UNITS AND HUMIDIFIERS	EPA/600/S-92/042
AUTOBODY REPAIR FACILITY	EPA/600/S-92/043
FABRICATOR AND FINISHER OF STEEL COMPUTER	
MANUFACTURER OF ARTISTS' SUPPLY PAINTS	EPA/600/S-92/045
MANUFACTURER OF WIRE STOCK USED FOR PRODUCTION OF METAL ITEMS	EPA/600/S-92/046
MANUFACTURER OF COMMERCIAL REFRIGERATION UNITS	EPA/600/S-92/047
TRANSPORTER OF BULK PLASTIC PELLETS	EPA/600/S-92/048

**APPENDIX A: Pollution Prevention Publications**

MANUFACTURER OF ELECTROPLATED WIRE	EPA/600/S-92/049
MANUFACTURER OF SYSTEMS TO PRODUCE SEMICONDUCTORS	EPA/600/S-92/050
REMANUFACTURER OF AUTOMOBILE RADIATORS	EPA/600/S-92/051
MANUFACTURER OF FIRE RETARDANT PLASTIC PELLETS AND HOT MELT ADHESIVES	EPA/600/S-92/052
PRINTING PLATE PREPARATION SECTION OF A NEWSPAPER	EPA/600/S-92/053
MANUFACTURER OF GENERAL PURPOSE PAINTS AND PAINTING SUPPLIES	EPA/600/S-92/054
MANUFACTURER OF FINE CHEMICALS USING BATCH PROCESSES	EPA/600/S-92/055
LAMINATOR OF CARDBOARD PACKAGES	EPA/600/S-92/056
MANUFACTURER OF HARDENED STEEL GEARS	EPA/600/S-92/057
SCRAP METAL RECOVERY FACILITY	EPA/600/S-92/058
MANUFACTURER OF ELECTROPLATING CHEMICAL PRODUCTS	EPA/600/S-92/059
MANUFACTURER OF PLASTIC CONTAINERS BY INJECTION MOLDING	EPA/600/S-92/060
FOSSIL FUEL-FIRED ELECTRICAL GENERATING STATION	EPA/600/S-92/061
MANUFACTURER OF COMMERCIAL DRY CLEANING EQUIPMENT	EPA/600/S-92/062
ELECTRICAL UTILITY TRANSMISSION SYSTEM MONITORING AND MAINTENANCE FACILITY	EPA/600/S-92/063
MANUFACTURER OF ORTHOPEDIC IMPLANTS	EPA/600/S-92/064

**TECHNOLOGY TRANSFER INFORMATION SOURCES**

<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
<u>Department of Agriculture (DOA)</u>	(301) 504-5345	National Tech Transfer Coord Agricultural Res Serv (USDA) Rm. 415, Bldg. 005, BARC-West, 10300 Baltimore Ave. Beltsville, MD 20705	USDA
TEKTRAN	(301) 504-5345	12,000 summaries of the latest research results, reviewed but not yet published.	USDA
CRIS (Current Research Info System)	(301) 504-6846 Available on DIALOG	Abstracts describing all ongoing agricultural research projects at least partially funded by the Federal Government.	USDA
AGRICOLA	(301) 504-5345 Available on DIALOG	Bibliographic database of the National Agricultural Library. Comprehensive coverage of world wide journal literature.	USDA
Mines Faxback	(412) 892-4088	Current information on minerals and mineral related publications from the US Bureau of Mines. Use telephone access to automated Fax response system for selecting and ordering copies of publications.	USBM
<u>Department of Defense (DOD) Information Analysis Centers</u>			
ASIAC Aerospace Structures Info Analysis Center	(513) 225-6688 fax: 476-4682 Rich Scibetta		USAF/DOD
AFIFIO Air Force Information for Industry Office	(513) 225-2734 fax: 225-5383	Encourage and facilitate the exchange and exploitation of scientific and technical breakthroughs, innovation and information.	DOD/USAF

**APPENDIX A: TECHNOLOGY TRANSFER INFORMATION SOURCES**

<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
APMIAC - Airfields, Pavements and Mobility Information Analysis Center	(601) 634-2734 fax: 634-3068		DOD/USAF/ 3909 Halls Ferry Gerald Turnage Rd Vicksburg MS 39180
CEIAC	(601) 634-2012 fax: 634-3433		DOD/US Army Eng. Waterways Exp. Station
CIAC/CINDAS - Ceramics Information Analysis Center	(317) 494-9393 (800) 2-CINDAS (800) 224-6327 fax: 496-1175	Scientific and technical information on advanced ceramic materials technology.	DOD/DTIC/ CINDAS Purdue University
CPIA - Chemical Propulsion Information Agency	(410) 992-7300 fax: 730-4969 Thomas Christian		DOD/DTIC/ John Hopkins University
CRSTIAC - Cold Regions Science & Technology Info Analysis Center	(603) 646-4221 Nancy Liston fax: 646-4712 (603) 646-4204 A.J. Roberto		DOD/US Army Cold Reg Res & Eng. Laboratory
CRREL - Cold Regions Research & Eng. Laboratory	(603) 646-4445 Peter Smallidge (603) 646-4100 CRREL Pt of Contact	Office of Research & Technology Applications	DOD/US Army Corps of Engineers
CSERIAC - Crew System Ergonomic Info Analysis Center	(513) 225-4841 fax: 225-4823 Don Dreesbach		DOD/US Army Engineering Waterways
CTIAC - Concrete Technology Info Analysis Center	(601) 634-3264 fax: 634-3242 Director		DOD/US Army Engineering Waterways
DACS - Data & Analysis Center for Software	(315) 734-3696 fax: 634-3242 Dennis Wesolowski		DOD/Kaman Sciences Corp
DASAIC - DOD Nuclear Information & Analysis Center	(703) 329-7123 fax: 734-3699		DOD

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<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
GACIAC Guidance and Control Info Analysis Center	(312) 567-4519 fax: 567-4889 Robert J. Heaston		DOD/DTIC/IIT Research Institute
HEIAC Hydraulic Engineering Info Analysis Center	(601) 634-2608 fax: 634-4158		DOD/US Army Eng Waterways Exp. Station
HTMAIC/ CINDAS High Temperature Materials Info Analysis Center	(317) 494-9393 (800) 2- CINDAS (800) 224-6327 fax: 496-1175	Central source of eng. data and tech info on high temperature materials, especially the properties of and the laser effect on composites, metals, infrared detector materials and coatings	DOD/DTIC/ CINDAS Purdue University
IRIA Infrared Info Analysis Center	(313) 994-1200 fax: 994-5550 Dr. Rodney C. Anderson		DOD/ Environmental Inst. of Michigan
MIAC/CINDAS Metals Information Analysis Center	(317) 494-9393 (800) 2- CINDAS (800) 224-6327 fax: 496-1175	Central source of eng. data and tech info on monolithic metals, alloys and coatings including info on joints welds etc.	DOD/DTIC/ CINDAS Purdue University
MMCIAC/ CINDAS Metal Matrix Composites Info Analysis Center	(317) 494-9393 (800) 2- CINDAS (800) 224-6327 fax: 496-1175	Central source of eng. data and tech info on metal matrix composites, laminates and hybrids containing MMC	DOD/DTIC/ CINDAS Purdue University
MTIAC Manufacturing Technology Info Analysis Center	(312) 567-4730 fax: 567-4736 (800) 421-0586 (charges)	Bibliographies, reports, SIMON database- Technology Assessments - Flexible machining, laser cutting etc.	DOD/IIT Research Institute
NRL Naval Research Laboratory	(202) 767-3744 fax: 404-7920 Richard H. Rein		US Navy/DOD
NTIAC Nondestructive Info Analysis Center	(512) 263-2106 fax: 263-3530 Dr. George A. Matzkanin		DOD/Texas Research Institute

**APPENDIX A: TECHNOLOGY TRANSFER INFORMATION SOURCES**

<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
NSWC Naval Surface Warfare Center	(301) 227-1037 fax: 227-1150 ----- - (310) 227-2690 fax: 227-1150 ----- - (215) 897-8439 fax: 897-1674 ----- - (215) 897-7926 fax: 897-1674	Dr. Basil Nakonechy, Office of Research and Technology Applications (ORTA), Carderock Div. ----- James E. Wood, Office of Research and Technology Applications (ORTA), Carderock Div., NSWC ----- Patricia Woody, Emerging Programs Office, Carderock Div., NSWC ----- James E. Burns, Emerging Programs Office, Carderock Div., NSWC	ORTA/US NAVY Carderock Div., NSWC Code 0117 Bethesda, MD  ----- ORTA/US NAVY Carderock Div., NSWC Code 111B, Philadelphia, PA
PLASTEC - Plastics Technology Evaluation Center	(315) 337-0900 fax: 337-9932 Charles Yearwood		DOD/DTIC/ USAAMCC Picatinny Arsenal
RAC - Reliability Analysis Center	(315) 337-0900 fax: 337-9932		DOD/DTIC/IIT Research Institute
SMIAC - Soil Mechanics Info & Analysis Center	(601) 634-3376 fax: 634-3139 David Haulman		DOD/US Army Eng. Waterways Exp. Station
SURVIAC - Survivability/ Vulnerability Info Analysis Center	(513) 225-4840 fax: 225-9673 John Vice		DOD/DTIC/ Booz-Allen & Hamilton
TWSTIAC Tactical Warfare Simulation and Technology Info Analysis Center	(614) 424-7871 fax: 424-4874 Josephene Huggins		DOD/DTIC Battelle Memorial Inst.
SIDAC - Support Invest Decision Center	(513) 258-6711 fax: 254-9575		USAF/DOD/ Battelle Tech Support Oper.

**APPENDIX A: TECHNOLOGY TRANSFER INFORMATION SOURCES**

<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
SAVIAC - Shock & Vibration Info Analysis Center	(703) 412-7856 fax: 412-6555 Hal Kohn		US Navy/DOD
USACERL US ARMY Construction Engineering Research Laboratories	(800) 252-7122 (217) 373-6789 fax: 373-7222 Robert S. Gorham ----- (217) 373-7216 Jeffrey Walaszek	Small Business Innovative Research (SBIR), Technical Assistance Demonstration Program, Support Center Arrangements ----- Facilities Engineering Applications Program (FEAP) Information Center-New Technologies Demonstrations: Energy, Corrosion, etc.	DOD/US Army Corps of Engineers USACERL POC PO Box 9005 Champaign, IL 61826
<u>Department of Energy (DOE)</u>			
Small Business Coordinator, Office of Technology Utilization	(202) 586-3897 Sandy Glatt	Technical Assistance, Cooperative Research, Use of facility agreements, Grants, Set aside programs.	1000 Independence Avenue, SW Washington, DC 20585
Small Business Initiative	(505) 845-4947 fax 845-5754 DOE - Michael Snow	Four basic program elements: Technical assistance, partnerships, Intermediary relationships, & Facility utilization.	DOE
SBIR Small Business Innovation Research Program	(301) 903-7485 Samuel Barish  (301) 903-5867 Program Office	Provides grants to increase private sector commercialization and participation in Federal research and development.	DOE
Small Business Technology Transfer Program	(301) 903-7485 Samuel Barish  (301) 903-5867 DOE/STTR Program Office	The three year pilot program will provide small businesses an opportunity to partner with universities, Federal Laboratories, and other research institutions, on topics established annually. Solicitations begin in January.	DOE

**APPENDIX A: TECHNOLOGY TRANSFER INFORMATION SOURCES**

<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
The Energy Related Inventions Program, Office of Energy Efficiency and Renewable Energy	(202) 586-1478 Terr Levinson	Joint program with the National Institute of Standards and Technology (NIST) offers technical and financial assistance primarily to individual inventors and small companies.	DOE
Energy Research Laboratory Technology Transfer Program	(202) 586-3825 Brian O'Donnell	The program supports cost shared, quick response cooperative research and development agreements with small businesses at 11 Research Laboratories.	DOE
Small Business Tech. Integration Program, Office of Environmental Restoration and Waste Management	(301) 903-7449 Joseph Paladino	Advances Innovative technologies for site cleanup and waste management through Department of energy and its laboratories, with at least 20% of the awards set aside for small business.	DOE
Small Business Initiative Programs, Office of Defense Program	Michael Snow Phone:(505) 845-4947 Fax: (505) 845-5754	Focuses on manufacturing and advanced technology development segments of the community, and provides technical assistance, cooperative research opportunities, and access to technical facilities.	DOE
Office of Economic Impact and Diversity	(202) 586-8383	Program works with energy-related small and historically underutilized businesses that could benefit from the transfer of new and emerging technologies.	DOE
<u>Technology Transfer Contacts at DOE Laboratories</u>			
Ames Laboratory	(515) 294-2635	Daniel Williams	
Argonne National Lab	(708) 252-2030	Stanley S. Borys	
Brookhaven National Lab	(516) 282-7338	Margaret Bogosian	
Continuous Electron Beam Accelerator Facility	(804) 249-7450	Dr. Frederick Dylla	

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Fermilab	(708) 840-3333	John T. Vernard	
Idaho National Engineering Lab	(208) 526-9353	Dick Hitt	
Inhalation Toxicology Research Institute	(505) 845-1046	Robert K. Jones	
Lawrence Berkeley Lab	(510) 486-6502	Cheryl Fragiadakias	
Lawrence Livermore Lab	(510) 423-1341	Gilbert Marguth	
Los Alamos Lab	(505) 665-9090	Kay Adams	
Morgantown Energy Technology Center	(304) 291-4173	William Lawson	
National Renewable Energy Lab	(303) 231-7005	Dallas Martin	
Oak Ridge Associated University	(615) 576-3756	Mary Loges	
Oak Ridge National Lab	(615) 576-8969	William R. Martin	
Pacific Northwest Lab	(509) 375-2789	Mary Clement	
Pittsburgh Energy Technology Center	(412) 892-6092	Kay Downey	
Princeton Plasma Physics Lab	(609) 243-3009	Lewis D. Meixler	
Sandia National Labs	(505) 845-8759	Dan Arvizu	
Savannah River Club	(803) 725-3020	John Corey	
Stanford Linear Accelerator Center	(415) 926-2213	James A. Simpson	
Superconducting Super Collider	(214) 708-1104	Tiny Montgomery	
Westinghouse Hanford Comp.	(509) 376-8656	Mr. Alva L. Ward	
Martin Marietta Specialty Components, Inc.	(813) 541-8703	Robert L. Poole, Manager Technology Transfer	P.O. Box 2908, Key Largo, FL 34649
<u>DOE Regional Coordinators</u>			DOE

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Southeast Region: AL, FL, GA, KY, LA, MS, NC, SC, TN	(803) 725-2345 fax 725-5968 ----- - (615) 576-8368 fax 576-9465 ----- - (615) 576-1070 fax 576-6363	John Patterson, Director of Economic Development, DOE Savannah River, 29801 ----- William Martin. VP Off. of Technology Transfer, Martin Marietta, 37831-8242 ----- Robert M. Poteat, Patent Counsel, USDOE, 37831	DOE
Northeast Region: ME, NH, VT, NY, MA, CT, RI, NJ	(516) 282-2078 fax 282-3729 ----- - (609) 243-3009 fax 243-2800	Dorry Tooker, Tech Trans Specialist, Brookhaven National Labs, 11973 ----- Lewis Meixler, Office of Tech Transfer, Princeton Plasma Physics Lab, 08543	DOE

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Publications, Training & Information Sources	TECH SUPPORT	INFO	SPONSOR
Mid-Continent Region: UT, TX, NM, CO, KS, WY, MT, ND, NE, SD, MO, IA, AR, OK	(214) 708-2416 fax 708-2525 ----- - (214) 708-1104 fax 708-0000 ----- - (505) 845-4982 fax 845-5754 ----- - (303) 231-5750 fax 231-5757 ----- - (515) 294-2365 fax 294-3751 ----- - (303) 231-7115 fax 231-1997	Bill Poage, DOE-SSC Project Office, 75237 ----- Tony Montgomery, SSC Lab, 75337 ----- Bernard Whitaker, Tech Transfer Staff, ETD, USDOE, 87185 ----- Al Hymer, Denver Support Office, USDOE, 80401 ----- Daniel Williams, Planning & Technology Applications, Iowa State University, 50011 ----- Dana Moran, Technology Transfer Office National Renewable Energy Lab, 80401	DOE
Midwest Region: MN, WI, MI, IL, OH, IN	(708) 252-5361 fax 253-5230 ----- - (708) 840-3333 fax 840-8752 ----- - (708) 252-2711 fax 252-2522	Sheri Zussman, Industry Liaison, Argonne National Lab, 60439 ----- John Venard, Licensing Officer, Fermi National Accelerator Lab, 60510 ----- Larry Thompson, DOE Chicago Operations Office, 60439	DOE

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Far West Region: CA, NV, AZ, WA, OR, ID	(802) 295-5873 fax 295-1845 ----- - (510) 637-1654 fax 637-2018 ----- - (510) 637-1897 fax 637-2004 ----- - (509) 372-4016 fax 372-4038 ----- - (509) 375-2789 fax 375-6731 ----- - (509) 372-2211 fax 372-0659 ----- - (208) 526-1127 fax 526-7632	James E. O'Donnell, Test Operation Division, DOE, 89193 ----- Mar Clark, DOE, San Francisco Operations, 94612 ----- Dorothy C. Martinez, Small Bus. Prog. Mgr, DOE, San Francisco Oper. 94612 ----- Gail M. McClure, DOE, Richland, WA, 99352 ----- Marvin Clement, Battelle-Pacific NW Labs, Off. of Research & Tech., 99352 ----- Becka Christenson, Westinghouse Hanford CO, 99352 ----- Ray Barnes, Off. of Industrial Partnerships, Idaho Oper 83402	DOE
NSTEP National Small- Business Technology Exchange Program	(505) 271-7888	Sandia National Laboratories Technology Transfer Center 4200, People, Technologies, Facilities.	ATT/DOE Sandia Nat Lab P.O. Box 5800 Albuquerque, NM 87185

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Publications, Training & Information Sources	TECH SUPPORT	INFO	SPONSOR
Technical Assistance Program Kansas City Plant Supports Mid-Central States: AR, IA, IL, KS, MN, MO, NE, ND, OK, SD, WI	(816) 997-4765 fax 997-2536	Office of Technology Transfer, Mission is to increase US Global Competitiveness by increasing the transfer of federally funded technologies and knowledge to the private sector for commercial applications. Partners-Missouri Small Business Development Center (MSBDC), Mid-Kansas Technology Enterprise Corp (KTEC), University of Missouri Advanced Technology Institute (MATI), National Institute of Standards and Technology (NIST)	USDOE  OTT, Allied Signal P.O. Box 419159 Kansas City, MO 64141-6159
<u>US Dept. of the Interior, Bureau of Mines Off. of Technology Transfer</u>	(202) 501-9323 fax 501-9957	Don Ralston, Washington HQ Office, Chief	Bureau of Mines HQ Office 810 7th St., NW Washington, DC 20241
AFOC-Alaska Field Operations Center	(907) 271-2455 fax 271-3933	Christopher H. Roe, Technology and Information Transfer Officer	3301 C Street, Suite 525, Anchorage, AK 99503
Albany Research Center	(503) 967-5851 fax 967-5936 (503) 967-5911	Bill Riley, Technology and Information Transfer Officer, Steve O'Hare, Technology and Information Transfer Officer	1450 Queen Avenue, SW Albany, NY 97321
Denver Research Center	(303) 236-0747 fax 236-0828	Guy Johnson, Technology and Information Transfer Officer	Denver Federal Ctr Denver, CO 80225
IFOC -Intermountain Field Operations	(303) 236-0435 fax 236-0437	Karl Starch, Technology and Information Transfer Officer	Denver Federal Ctr Denver, CO 80225
Pittsburgh Research Center	(412) 892-6615 fax 892-6614	Jacquie Jansky, Technology and Information Transfer Officer	P.O. Box 18070 Pittsburgh, PA
Reno Research Center	(702) 334-6607 fax 334-6603	Espí Valdez, Information and Technology Transfer Officer	1605 Evans Ave. Reno, NV 89512
Rolla Research Center	(314) 364-3169 fax 369-7350	Wilbert L. Falke, Technology and Information Transfer Officer	P.O. Box 280 Rolla, MO 65401
Salt Lake City Research Center	(801) 584-4152 fax 584-4119	Paulette Altringer, Technology and Information Transfer Officer	729 Arapeen Drive Salt Lake City, UT

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<b>Publications, Training &amp; Information Sources</b>	<b>TECH SUPPORT</b>	<b>INFO</b>	<b>SPONSOR</b>
Spokane Research Center	(509) 484-1610 fax 353-2652	Elaine Cullen, Technology and Information Transfer Officer	E. 315 Montgomery Avenue Spokane, WA 99207
Tuscaloosa Research Center	(205) 759-9408 fax 759-9440	Eddie Martin, Technology and Information Transfer Officer	University of Alabama P.O. Box L Tuscaloosa, AL 35486
Twin Cities Research Center	(612) 725-4576 fax 725-4526	Steve Swan, Technology and Information Transfer Officer	5629 Minnehaha Avenue Minneapolis, MN 55417
Western Field Operations Center	(509) 353-2720 fax 353-2661	Rodney Minarik, Technology and Information Transfer Officer	E. 360 Third Ave. Spokane, WA 99202
<u>FLC Federal Laboratory Consortium for Technology Transfer</u>	(206) 683-1005 fax 683-6654	Service Organization providing a basic link between federal laboratories and potential users of government developed technologies.	FLC, Ad Off P.O. Box 545 Sequim, WA 98392
FLC - Far West Region: CA, NV, AZ, WA, OR, ID	(916) 643-1248 Geoff Phillips ----- - (619) 553-3014 Diana Jackson	DOD - Air Force Advanced Manufacturing Technology Center ----- DOD - Naval Command Control Ocean Surveillance Center	FLC
FLC - Midwest Region: MN, WI, MI, IL, OH, IN	(513) 841-4305 T.F. Schoenborn ----- - (317) 353-3838 Larry Halbig	HHS National Institute for Occupational Health and Safety ----- DOD - Naval Air Warfare Center Aircraft Division	FLC
MCR - Mid-Continent Region: UT, TX, NM, CO KS, WY, MT, ND, NE, SD, MO, IA, AR, OK	(210) 536-3817 Douglas Blair ----- (303) 497-7038 Joseph Berke	DOD - Air Force Armstrong Laboratory ----- DOC- National Institute of Standards and Technology	FLC

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Publications, Training & Information Sources	TECH SUPPORT	INFO	SPONSOR
FLC - Southeast Region: AL, FL, GA, KY, LA, MS, NC, SC, TN	(615) 632-6435 H. Brown Wright ----- (404) 639-3812 Eric Greene	Tennessee Valley Authority ----- HHS - Centers for Disease Control	FLC
FLC - Northeast Region: ME, NH, VT, NY, MA, CT, RI, NJ	(518) 266-4946 Gary Conlon ----- (516) 282-2078 Dorry Tooker	DOD - Army Benet Laboratories ----- DOE - Brookhaven National Laboratory	FLC
FLC - Mid-Atlantic Region: PA, VA, DC, WV, MD, DE	(301) 394-2952 Norma Vaught ----- (412) 892-6029 Kay Downey	DOD - Army Research Laboratory ----- DOE - Pittsburgh Energy Technology Center	FLC
FLC - Washington DC REP	(202) 331-4220 Dr. Beverly Berger		FLC/1850 "M" St., NW Suite 800 Washington, DC 20036
<u>GCATT Gulf Coast Alliance for Technology Transfer</u>	(904) 651-7372 fax 651-7378	Partnership of 11 Federal laboratories, four state universities, and a consortium of community/junior colleges in Florida and Alabama united to leverage resources and commercialize their technology.	GCATT P.O. Box 4097 Ft. Walton Bch., FL 32549
AFDTC Air Force Development Test Center	(904) 882-8096 Wayne Ingram	Extreme environmental conditions, Electromagnetic compatibility, Radar/Infrared/Electro-optical measurements.	101 West D Ave. Ste 117 Elgin AFB, FL 32542
AFDTC Air Force Development Test Center	(904) 882-8096 Wayne Ingram	Extreme environmental conditions, Electromagnetic compatibility, Radar/Infrared/Electro-optical measurements.	101 West D Ave. Ste 117 Elgin AFB, FL 32542
USAARL US Army Aeromedical Research Laboratory	(205) 255-6907 fax 255-6937 Diana L. Hemphill	Research on health hazards of Army aviation, tactical combat vehicles - Acoustics, stress, impact, life support, & vision.	P.O. Box 620577 Ft. Rucker, AL 36362

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USAL/ED-OL Armstrong Laboratory Envionics Directorate	(904) 283-6111 Major John Gee	Minimizing Hazardous Wastes from Air Force operations, electroplating and industrial processes, Modification of Transport mechanisms and process.	
CSS - Coastal Systems Station, Dahlgren Division	(904) 234-4472 fax 234-4155 Dr. Delbert Summey	Electromagnetic, acoustic, and electro-optic sensors, Diving and life support.	
ERL - USEPA Environmental Research Lab	(904) 934-9200 Dr. Robert E. Menzer	Impact of toxic chemicals and pesticides on marine environment.	1 Sabine Island Dr. Gulf Breeze, FL 32561
FSU Florida State University	(904) 644-5260 fax 644-1464 Michael Devine		FSU Tallahassee, FL 32306
FAMU Florida Agricultural & Mechanical University	(904) 599-3531 fax 599-3952 Dr. Franklin D. Hamilton		FAMU 404 Foote-Hilyer Adminstration Bldg. Tallahassee, FL 32307
NHMFL - National High Magnetic Field Lab	(904) 644-0311 Dr. Jack Crow		
NAMRL Naval Aerospace Medical Research Lab	(904) 452-3287 Captain Jerry Pates		51 Hovey Road Pensacola, FL 32508
OWCC Okaloosa-Walton Community College	(904) 729-5360 Dr. James R. Richburg		100 College Blvd. Niceville, FL 32578
STAC - Southern Technical Applications Center	(904) 462-3913		P.O. Box 24 Alachua, FL 32615
UF - University of Florida, College of Engineering	(904) 392-6000		P.O. Box 116550 Gainesville, FL 32611
UWF University of West Florida	(904) 863-6566 Dr. Diane Barlar		UWF Pensacola, FL 32514

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USAF/ABSB Wright Laboratory - Air Base Sys Branch	(904) 283-3705 fax 283-3722 Ed Alexander		USAF Tyndall AFB, FL 32403
USAF/WLAD Wright Lab Armament Directory	(904) 882-8591		WLAD 101 W. Elgin Blvd. Suite 143 Elgin AFB, FL 32542
MATRIS - Manpower, Training, Performance, Human Factors	(619) 553-7000 ----- (691) 553-7031 Ms. E. Byars Vicino	Technology Transfer, Technical Report Citations, Retrieval/Search, Research Summaries	DTIC, MATRIS Office San Diego, CA 92152
<u>DOT</u> <u>Federal Highway</u> <u>Administration</u>	(202) 366-2219 John McCracken	Office of Technology Applications Technical Support. Deployment of state-of-the-art and advanced highway-transportation technologies. The Center for Transportation Analysis in the Energy Division of the Oak Ridge National Laboratory will serve as the technical resource.	USDOT/FHWA
<u>NASA SBIR</u> <u>Small Business</u> <u>Innovation Research</u>	(800) 547-1811 (202) 488-2939 fax 488-7838	Info and announcement on: Aircraft Mfg., Automotive Sys. & Mfg., Communication & Computers, Mfg. Processes, Medical Equipment.	NASA SBIR Prog. Code CR Washington, DC 20546-0001
<u>NASA Technology</u> <u>Transfer Network</u> ----- <u>NASA Field Centers</u>		Tech Transfer Offices coordinate and manage a full range of technology transfer activities for each of the nine NASA Field Centers, including new technology reporting, technical assistance, cooperative projects, and industrial outreach.	
TAP-IN Technology Access for Product Innovation	(800) 472-6785	Network of technology and business service organizations focus on small business. Structured to deliver services at local level.	NASA/FLC
Ames Research Center	(415) 604-4044 fax 604-3869 Geoffrey S. Lee	Office of Commercial and Community Programs	Mail Stop 223-3 Moffet Field, CA 94035-1000

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Goddard Space Flight Center	(301) 286-5810 fax 286-4653 George E. Alcorn	Office of Commercial Programs, Technology Transfer Office	Mail Code 702 Greenbelt, MD 20771
Jet Propulsion Laboratory	(818) 354-4862 fax 354-6051 Arif Husain	NASA Resident Office	Mail Stop 180-801 Pasadena, CA 91109
Johnson Space Center	(713) 483-3809 fax 244-8452	Technology Transfer Office	Mail Code IC4 Houston, TX 77059
Kennedy Space Flight Center	(407) 867-3017 fax 867-2050 James A. Alberti	Technology Transfer Office	Mail Code PT-PAT-A, Kennedy Space Center, FL 32899
Langely Research Center	(804) 864-2484 fax 864-8314 Joe J. Mathis	Technology Transfer & Applications Office	Mail Stop 200 Hampton, VA 23665
Lewis Research Center	(216) 433-5568 fax 433-3344 Anthony Ratajczak	Technology Transfer Office	Mail Stop 7/3 Cleveland, OH 44135
Marshall Space Flight Center	(205) 544-2223 fax 544-3151	Technology Transfer Office	Mail Code AT01 MSFC, AL 35812
Stennis Space Center	(601) 688-1929 fax 688-2408	Technology Transfer Office	Mail Code MA00 SSC, MS 39529
<u>Regional Technology Transfer Centers (RTTC)</u>	(800) 472-6785	RTTC's provide services to U.S. firms and industry within their designated regions, assisting clients to locate, assess and commercialize technologies from throughout NASA and the Federal R&D base.	
Far West RTTC: CA, NV, AZ, WA, OR, ID	(213) 743-6132 fax 746-9043 Robert L. Stark	RTTC - University of Southern California	3716 S. Hope St. Suite 100, Los Angeles, CA 90007
Mid-Continent RTTC: UT, TX, NM, CO, KS, WY, MT, ND, NE, SD, MO, IA, AR, OK	(409) 845-8762 fax 845-4851 Gary Sera	RTTC - The Texas A&M University System	301 Tarrow College Station, TX 77843
Mid-West RTTC (GLITeC): MN, WI, MI, IL, OH, IN	(800) 472-6785 (216) 734-0094 fax 734-0686 Joseph W. Ray	RTTC - Great Lakes Industrial Technology Center (GLITeC) Battelle Memorial Institute	25000 Great North Cor Center Cleveland, OH 44070

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Mid-Atlantic RTTC: PA, VA, DC, WV, MD, DE	(412) 648-7000 fax 648-7003 Lani S. Hummel	RTTC - Applications Center, University of Pittsburgh	823 William Pitt Union Pittsburgh, PA 15260
Northeast RTTC: ME, NH, VT, NY, MA, CT, RI, NJ	(508) 870-0042 fax 366-0101 William Gasko	RTTC - Center for Technology Commercialization, Massachusetts Technology Park. Comprised of seven Satellite Technology Transfer Centers that maintain an understanding of industrial market needs and capabilities, business and technology experts and opportunity contacts: CT (203) 676-8442; ME (207) 941-9855; NH/VT (603) 598-8800; RI (401) 294-4400; NJ (609) 243-2650; NY (716) 277- 1601	100 North Drive Westborough, MA 01581
Southeast RTTC: AL, FL, GA, KY, LA, MS, NC, SC, TN	(904) 462-3913 fax 462-3898 J. Ronald Thornton	RTTC - Southern Technology Applications Center, University of Florida	One Progress Blvd. Box 24 Alachua, FL 32615