



# Resource Guide for Garment and Textile Care Professionals





## About This Booklet

This booklet is part of a series of U.S. Environmental Protection Agency (EPA) publications on garment and textile care industry issues, alternative technologies, and research initiatives. Covering a wide range of topics and organizations, the printed and electronic information resources listed in this booklet will help garment and textile care professionals and others learn more about issues currently facing the industry.

By staying on top of developments within the industry, garment and textile care professionals can

improve their operations and bottom line, while contributing to a healthy environment and safer workplace. As consumers increasingly choose "green" products and services, garment and textile care professionals who consider the health and environmental impacts of their business decisions are more likely to meet the challenges of today's competitive marketplace.

Although this booklet is not a complete list of resources and organizations, it does offer a starting point for exploring issues regarding the professional garment and textile care industry.

### EPA's Design for the Environment (DfE) Program

The Design for the Environment (DfE) Program harnesses EPA's expertise and leadership to facilitate information exchange and research on risk reduction and pollution prevention efforts. Working with businesses and industries on a voluntary basis, DfE strives to:

- Assist businesses in incorporating environmental concerns into decision-making processes.
- Work with specific industries to evaluate the risks, performance, and costs of alternative chemicals, processes, and technologies.
- Help individual businesses undertake environmental design efforts through the application of specific tools and methods.

DfE partners include representatives from industry, professional institutions and associations, academia, environmental groups, labor groups, public interest groups, and other government agencies.

The DfE Garment and Textile Care Program is a voluntary collaboration between the garment and textile care industry, environmental groups, and U.S. EPA, dedicated to reducing risks and preventing pollution associated with dry cleaning chemicals. Specifically, the program has focused on the risks, costs, and performance of traditional dry cleaning operations in an effort to help garment and textile care professionals incorporate environmental concerns into both their day-to-day and long-term business decisions. Toward this end, EPA is also evaluating alternative technologies such as machine wet cleaning, liquid CO<sub>2</sub>, and ultrasonics.

For more information on the DfE Garment and Textile Care Program, please call the Program Helpline at 888 249-8883, or 703 841-4819 in the Washington, DC metropolitan area.

# Contents

---

<b>EPA Publications</b> .....	<b>3</b>
<b>EPA Internet Resources</b> .....	<b>5</b>
DfE Garment and Textile Care Homepage .....	5
OECA/ORD Network .....	5
<b>Other Government Resources</b> .....	<b>6</b>
<b>Organizational Resources</b> .....	<b>8</b>
National Trade Associations .....	8
Regional Associations .....	9
Public Interest Groups .....	10
Research and Technical Assistance Organizations .....	10
University and College Programs .....	12
Labor Unions .....	12
Other Nongovernment Resources .....	13
<b>Other Internet Resources</b> ..	<b>13</b>
<b>Periodical Publications</b> .....	<b>14</b>
<b>EPA Regional Offices</b> .....	<b>14</b>

# EPA Publications

The following publications focusing on the garment care industry can be obtained, at no charge, from EPA's Pollution Prevention Information Clearinghouse at:

Pollution Prevention  
Information Clearinghouse  
U.S. Environmental Protection Agency  
401 M Street, SW. (7409)  
Washington, DC 20460  
Phone: 202 260-1023  
Fax: 202 260-4659

## Design for the Environment: Garment and Textile Care Program Fact Sheet

*EPA 744-F-93-004, (August '97)*  
2 pages

This fact sheet provides an up-to-date description of EPA's DfE Garment and Textile Care Program and research efforts. Also available in Korean.

## Common Questions About Dry Cleaning

*EPA 744-K-96-003, (December '97)*  
16 pages

This booklet addresses some of the potential health and environmental concerns with perc, and attempts to answer questions that consumers may have about dry cleaning. The booklet also provides information on alternative garment care technologies such as wet cleaning (available late 1997).

## Wet Cleaning

*EPA 744-K-96-002, (May '97)*  
16 Pages

This booklet offers a summary of the alternative technology known as machine wet cleaning, and lists garment care facilities nationwide that offer this service. Also available in Korean.

## Training Curriculum for Alternative Clothes Cleaning

*EPA 744-R-97-004a (Vol. I: Curriculum)*  
115 pages  
*EPA 744-R-97-004b (Vol. II: Instructor's Manual and Presentation Materials)*  
192 pages

This training course teaches garment care professionals and staff about wet cleaning. Developed by the University of Massachusetts Toxics Use Reduction Institute, this course explains how wet cleaning works and how to operate a wet cleaning facility. The course also explains how to convert a dry cleaning facility to a wet cleaning facility.

## Proceedings: Apparel Care and the Environment—Alternative Technologies and Labeling

*EPA 744-R-96-002*  
219 pages

This proceedings document is a record of a conference held in September 1996, between key stakeholders to learn about and discuss developments in alternative technologies and care labeling. These proceedings include transcribed presentations, copies of visual aids presented during the conference, and a summary of discussion sessions.

## Plain English Guide for Perc Dry Cleaners: A Step-by-Step Approach to Understanding Federal Environmental Regulations

*English: EPA 305-B-96-002, Korean: EPA 305-B-97-001*  
64 pages

This document summarizes the national environmental regulations that apply to garment care professionals who use perc, and provides a step-by-step approach to compliance.

## Multimedia Inspection Guidance for Dry Cleaning Facilities

*EPA 305-F-96-001*  
100 pages

This inspection manual was developed to assist field personnel in state, local, and EPA regional offices in conducting multimedia inspections of garment care facilities that use perc.

## **Dry Cleaning Sector Compliance Strategy**

*EPA305-F-96-003*

*80 pages*

This document outlines EPA's strategy to provide compliance assistance to the perc garment care industry. It provides a background of the industry and describes primary compliance issues. This document is meant to help federal, state, and local regulators understand the specific compliance needs and challenges of the garment care industry.

## **Profile of the Dry Cleaning Industry**

*EPA310-R-95-001*

*84 pages*

This document provides information on all aspects of the garment care industry, including general industry information, industrial processes used, pollution prevention techniques, pollutant release data, regulatory requirements, and examples of current EPA initiatives geared toward the garment care industry. This document can also be found on the Web at (<http://es.inel.gov/comply/sector/index.html>).

## **Chemicals in the Environment: Perchloroethylene**

*EPA749-F-94-020*

*2 pages*

This brochure explains what perc is, how it is used, and what happens once it enters the environment.

## **Summary of a Report on Multiprocess Wet Cleaning**

*EPA744-S-94-001*

*10 pages*

This booklet summarizes the results of the initial research comparing multiprocess wet cleaning and dry cleaning presented in the *Report on Multiprocess Wet Cleaning* (EPA744-R-93-004). Also available in Korean.

## **Multiprocess Wet Cleaning: Cost and Performance Comparison of Conventional Dry Cleaning and an Alternative Process**

*EPA744-R-93-004*

*186 pages*

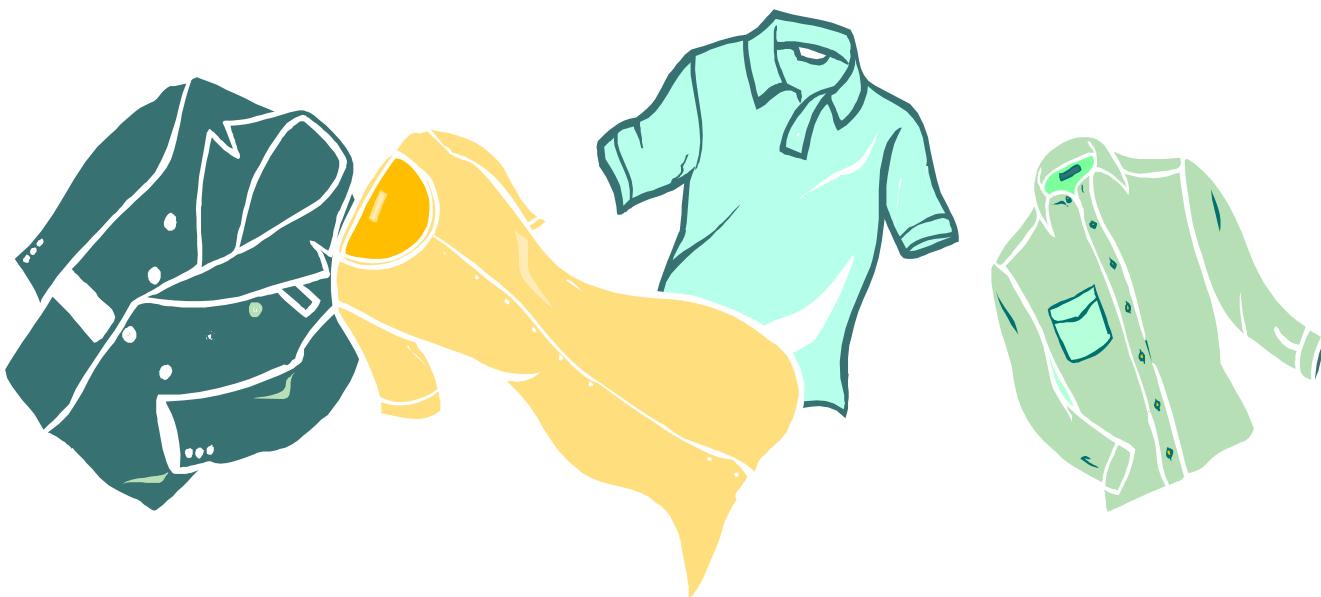
This technical report explains the results of research done in 1993 on the performance and cost of multiprocess wet cleaning vs. dry cleaning. This research was one of the first studies done on alternative cleaning methods.

## **International Roundtable on Pollution Prevention and Control in the Drycleaning Industry**

*EPA774-R-92-002*

*302 pages*

This proceedings document is a record of a conference held May 27-28, 1992, in Falls Church, Virginia, to identify options for reducing exposures to perc in the garment care industry.



# EPA Internet Resources

The Internet is a convenient tool for researching nearly any topic, including garment care. Because homepages are constantly revised, up-to-the-minute information can be accessed soon after it is posted. Garment care professionals who wish to stay informed about developments within their industry may want to consider learning more about the options available on the Internet.

Searching the Internet for information is simple. Topics can be accessed using "keywords." Someone interested in learning more about wet cleaning technologies, for example, can key in *wet cleaning*, and your "browser" software will search the Internet for any site that contains these words. The user then has the option to visit the sites found in the search by selecting the name of the site.

## Design for the Environment Garment and Textile Care Homepage

The DfE Garment and Textile Care Homepage is located at (<http://www.epa.gov/oppintr/dfe/garment/garment.html>). The garment care page contains online versions of most of the EPA publications listed on pages 3 and 4 of this guide, as well as information on upcoming events, project partners, and links to other related sites. EPA's DfE Program helps businesses incorporate environmental considerations into the design and redesign of products, processes, and technical and management systems.

## Office of Enforcement and Compliance Assurance (OECA)/Office of Research and Development (ORD) Network

This network, also known as EnviroSenSe, is an interagency-supported system operated by OECA and ORD. The network allows regulators, the regulated community, technical experts, and the general public to share information regarding pollution prevention and innovative technology; environmental enforcement and compliance assistance; laws, Executive orders, regulations, and policies; points of contact for services and equipment; and other related

topics. The network houses industrial sector notebooks on 18 major industries, including garment care at (<http://es.inel.gov/comply/sector/index.html>). The garment care sector notebook includes:

- A comprehensive environmental profile of the industry.
- Industrial process information.
- Pollution prevention techniques.
- Pollutant release data.
- Regulatory requirements.
- A compliance and enforcement history of the industry.
- Innovative programs.
- Contact names for further information.

Additional information on garment care can be found by contacting the OECA/ORD technical information page at (<http://es.inel.gov/techinfo/techinfo.html>), including:

- *Fact Sheet: Dry Cleaning and Waste Reduction Page* provides tips on better garment care work practices.  
<http://es.inel.gov/techinfo/facts/driclean.html>
- *Dry Cleaning Industry Page* outlines steps that garment care professionals can take to ensure proper perc separation in water separators.  
<http://es.inel.gov/techinfo/facts/checklist.html>
- *Filter Drying Units Studied for Use at Dry Cleaners Page* describes a study measuring the efficiency of carbon adsorption technology.  
<http://es.inel.gov/studies/cs45.html>



# Other Government Resources

- **EPA**, in partnership with the garment care industry and others, is examining alternatives to traditional garment care and providing support to garment care professionals who want to reduce their exposure to perc.

401 M Street, SW.  
Washington, DC 20460

Cindy Stroup, DfE Program  
202 260-3889

George Smith, Emissions Standards Division  
919 541-1549

Joyce Chandler, Office of Enforcement and  
Compliance Assurance  
202 564-7073

Toll-Free Helpline  
888 249-8883  
Helpline E-mail Address: [dfe\\_gtcp@cais.net](mailto:dfe_gtcp@cais.net)

EPA has established a toll-free helpline for garment and textile care professionals to call with questions about compliance, alternative technologies, and other technical issues.

- **National Institute of Occupational Safety and Health (NIOSH)** is charged with researching health and safety aspects of industry and generating information from its findings. In its work with the garment care industry, NIOSH is conducting studies on the machines currently used, potential retrofits, associated work practices, and the effects of perc exposure.

4676 Columbia Parkway  
Cincinnati, OH 45226-1998  
Gary S. Earnest  
513 841-4370 or 800 35-NIOSH (64674)

- **Occupational Safety and Health Administration (OSHA)** is evaluating the industries affected by the reduction of perc permissible exposure limits, one of which is the garment and textile care industry. OSHA's research efforts focus on reducing worker exposure to perc, assessing technologies in terms of exposure levels, and investigating viable substitutes.

200 Constitution Avenue, NW., Room 3718  
Washington, DC 20210

Lyn Penniman, Office of Health Standards  
202 219-7111, Ext. 135

Paul Bolon, Office of Regulatory Analysis  
202 219-7283

- **Environment Canada**, the Canadian equivalent of EPA, has general information about such issues as Canadian environmental assessments, national water research, pollution data, and climate information. It also has published a workbook for garment care professionals called *The Green Team*, which outlines better work practices and pollution prevention ideas that garment care professionals can implement to reduce workers' exposure to perc.

25 Saint Claire Street, East  
Toronto, ON M4T 1M2  
Canada  
Brad Cumming  
416 739-5883  
416 739-4251 fax  
<http://www.ns.doe.ca>

- **Federal Trade Commission (FTC)** is responsible for enforcing the Care Labeling Rule, which informs consumers about proper cleaning methods for garments they buy, and helps consumers and garment care professionals clean products without damaging them. FTC is also considering modification of the Care Labeling Rule to permit the use of garment labels that allow for professional wet cleaning when appropriate. The latest developments on the amendment of the Care Labeling Rule are posted on the FTC's homepage at <http://www.ftc.gov>.

Federal Trade Commission  
601 Pennsylvania Ave., NW., Room 4302 (S)  
Washington, DC 20580  
Stephen Ecklund, Bureau of Consumer  
Protection  
202 326-2841  
202 326-2558 fax  
<http://www.ftc.gov>

■ **U.S. Small Business Administration's Small Business Development Center (SBDC)**

**Program** provides management assistance to current and prospective small business owners. SBDCs offer one-stop assistance to small businesses by providing a wide variety of information and guidance in central and easily accessible branch locations. For a complete list of SBDCs nationwide, call 202 205-6766. The following SBDC contacts specialize in environmental assistance.

Dept. of Commerce and Community Affairs  
620 East Adams  
Springfield, IL 62701  
Mark Enstrom  
217 524-5856

University of Kentucky  
Business and Economics Building, Room 235  
Lexington, KY 40506  
Greg Copley  
606 257-7668

University of Nebraska at Omaha  
1313 Farnam Street, Suite 132  
Omaha, NE 68182  
Rick Yoder  
402 472-1183

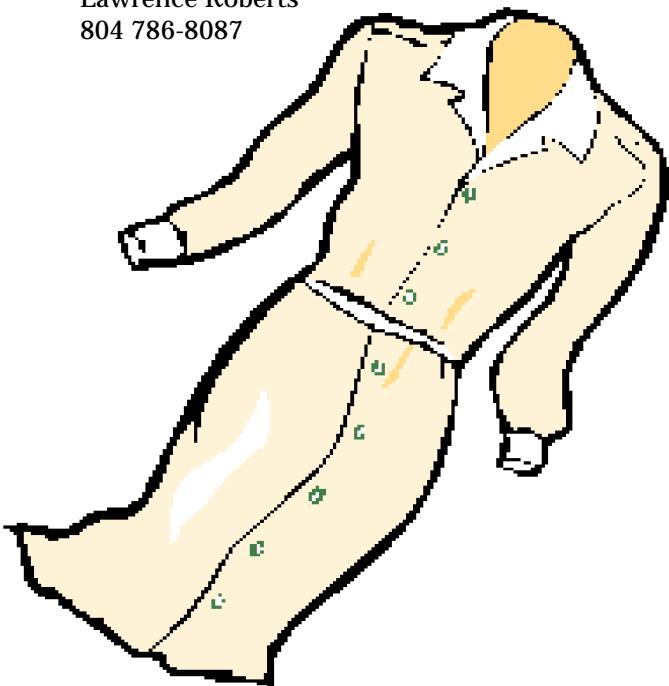
University of Nevada in Reno  
College of Business Administration/032  
Reno, NV 89557-0100  
Kevin Dick  
702 784-1717

University of Pennsylvania  
3733 Spruce Street  
Philadelphia, PA 19104  
Christopher Lynch  
215 898-1219

Dallas County Community College  
1402 Corinth Street, Suite 1520  
Dallas, TX 75215  
Ron Gordon  
214 860-5822

Vermont Technical College  
P.O. Box 422  
Randolph, VT 05060  
Peter Crawford  
802 728-9101

Department of Economic Development  
901 East Byrd Street, Suite 1900  
Richmond, VA 23219-0446  
Lawrence Roberts  
804 786-8087



# Organizational Resources

**M**any nongovernment organizations can provide helpful service for garment care professionals and others interested in garment care issues. These service organizations range from national trade associations to public interest groups. Listings include contact names, phone and fax numbers, and web site addresses where applicable.

## National Trade Associations

### ■ Canadian Cleaners & Launderers Allied Trade Association

299 Mill Road  
Suite 2108  
Etobicoke, ON M9C 4V9  
Canada  
Steve Freeman, President  
416 622-7442

### ■ Canadian Fabricare Association

P.O. Box 24026  
Kitchener, ON N2M 5P1  
Canada  
V.W. (Vic) Vandermolen, Executive Director  
519 576-4500  
519 576-8869 fax

### ■ Canadian Laundry & Linen Institute

P.O. Box 2277, Station A  
London, ON N6A 4E9  
Canada  
519 434-6261  
519 434-6261 fax

### ■ Canadian Research Institute of Launderers and Cleaners

135 Ottawa Street, South  
Kitchener, ON N2G 3T1  
Canada  
Bill Renaud, President  
416 620-1207

### ■ Cleaners and Launderers Association Executives

P.O. Box 924135  
Houston, TX 77292  
Jean Warnke, Secretary  
713 468-1245

### ■ Coin Laundry Association

1315 Butterfield Road, Suite 212  
Downers Grove, IL 60515  
Doug Ewald, Chairman  
630 963-5547  
630 963-5864 fax  
<http://www.coinlaundry.org>

### ■ Federation of Korean Drycleaners Association

54 East Avenue  
New Canaan, CT 06840  
Moon Jong Chung, President  
203 966-8192  
203 966-3609 fax

### ■ International Drycleaners Congress

343 Salem Street  
Wakefield, MA 01880  
William Pulley, Executive Director  
800 442-6848  
617 224-0166 fax

### ■ International Fabricare Institute

12251 Tech Road  
Silver Spring, MD 20904  
William Fisher, Chief Executive Officer  
301 622-1900, Ext. 113  
301 236-9320 fax  
<http://www.ifi.org>

### ■ Korean Dry Cleaners Business Group

4715 Commerce Lane  
Bethesda, MD 20814  
Max Oh, President  
301 654-1500

### ■ National Coalition of Petroleum Dry Cleaners

6000 Executive Boulevard  
Suite 201  
Rockville, MD 20852-3803  
Sam Carraway  
301 468-2550  
301 881-6572 fax

### ■ Neighborhood Cleaners Association-International

252 West 29th Street  
New York, NY 10001  
William Seitz, Executive Director  
212 967-3002  
212 967-2240 fax  
<http://home.sprynet.com/sprynet/ncai>

**■ Non Affiliated Drycleaners Alliance**

7950 Henry Avenue  
Suite 5A  
Philadelphia, PA 19128-3005  
Scott R. Alloway  
215 482-4036  
<http://members.aol.com/nadagroup/Network.html>

**■ Uniform and Textile Service Association**

1300 North 17th Street  
Suite 750  
Arlington, VA 22209  
David Hobson, President  
703 247-2600  
<http://www.utsa.com>

## Regional Associations

**■ California Fabricare Institute**

The Messersmith Group  
1730 I Street  
Suite 240  
Sacramento, CA 95814  
Lee Adler, CAE  
916 443-9023 or 916 443-0986  
916 443-8065 fax  
<http://www.californiafabricare.com>

**■ Mid-America Fabricare Association**

3305 Jamison Avenue  
St. Louis, MO 63139  
Dennis Loomis, Executive Director  
314 644-5583  
314 644-9513 fax  
(Serving Kansas and Missouri)

**■ Mid-Atlantic Cleaners & Launderers Association**

15435 Eagle Tavern Lane  
Centreville, VA 22020  
Don Coleman, President  
703 222-9828  
703 222-1258 fax  
(Serving Maryland, Virginia, West Virginia, and Washington, DC)

**■ Northeast Fabricare Association**

343 Salem Street  
Wakefield, MA 01880  
Charles Anton, President  
800 442-6848  
617 224-0166 fax  
(Serving Massachusetts, Rhode Island, New Jersey, New York, Connecticut, Vermont, New Hampshire, and Maine)  
<http://shore.net/n683nefa.htm>

**■ Northwest Drycleaners Association**

3425 Vernhardson Street  
Gig Harbor, WA 98332  
Deborah Rechnitz, Executive Director  
800 676-9322  
206 851-6327  
253 858-2013 fax  
(Serving Washington, Alaska, and Idaho)

**■ Rocky Mountain Fabricare Association**

2150 West 29th Avenue  
Suite 310  
Denver, CO 80211  
Gary Leeper, Executive Director  
303 433-4446  
303 458-0002 fax  
(Serving Colorado, Utah, and Wyoming)

**■ South Central Fabricare Association**

812 North President Street  
Jackson, MS 39202  
Jim Shepherd, President  
601 352-4291  
(Serving Louisiana and Mississippi)

**■ Southeastern Fabricare Association**

500 Sugar Mill Road  
Suite 200-A  
Atlanta, GA 30350  
Joel Desech, Executive Director  
770 998-9900  
770 998-1441 fax  
(Serving Alabama, Georgia, Florida, and South Carolina)  
<http://www.sefa.org>

- **Southwest Drycleaners Association**

1800 NE. Loop 410, Suite 308  
San Antonio, TX 78210  
Andrew Stanley Jr., CAE, Executive Director  
210 826-4684  
(Serving Arkansas, New Mexico, Oklahoma,  
and Texas)  
<http://207.222.206.166>

213 365-7400, Ext. 144

## Research and Technical Assistance Organizations

### Public Interest Groups

- **Consumers Union**, publisher of *Consumer Reports*, is a nonprofit organization established to provide consumers with information and advice on goods, services, health, and personal finance, and to initiate and cooperate with individual and group efforts to maintain and enhance the quality of life for consumers.

101 Truman Avenue  
Yonkers, NY 10703-1057  
Barbara Warren  
914 378-2000

18554 Haskins Road  
Chagrin Falls, OH 44023  
Joseph Chadbourne  
440 543-7303  
440 543-7160 fax

- **Greenpeace**, a nonprofit research and advocacy organization, will issue a new report on garment care and the role of alternative technologies in the fall of 1997. The report, tentatively titled, *Out of Fashion: Transition to a Toxic-free Fabric Care Industry*, champions wet cleaning and looks ahead to innovations such as liquid carbon dioxide and other nontoxic cleaning methods.

847 West Jackson Boulevard, Seventh Floor  
Chicago, IL 60607  
Dave DeRosa  
312 563-6060  
312 563-6099 fax  
<http://www.greenpeace.org/~usa/campaigns/toxics/wetclean.html>

- **Center for Emissions Control** is a chemical industry-funded clearinghouse that distributes information on technologies for controlling the release of chlorinated solvents (as used by the garment care industry) into the environment. A booklet called *The Safe Handling of Perchloroethylene Drycleaning Solvent* can be ordered free of charge.

2001 L Street, NW.  
Suite 506A  
Washington, DC 20036  
Steve Risotto  
800 835-5520 or 202 785-4374  
202 833-0381 fax  
<http://www.cec-dc.org>

- **Healthy Alternatives to Perc Project** provides Korean-American garment care professionals with accurate and timely information about new alternatives and technologies that could enhance business operations, as well as create healthy environments.

Korean Youth & Community Center  
680 South Wilton Place  
Los Angeles, CA 90005  
Jenni Cho, Program Manager

- **Center for Neighborhood Technology (CNT)**, a nonprofit, educational and technical support organization, is a stakeholder in the DfE Garment and Textile Care Program. CNT has developed a report on a wet cleaning demonstration shop, the Greener Cleaner, that includes financial and performance data. A promotional video on wet cleaning called *Wet Cleaning: the Wave of the Future* is also available.

2125 West North Avenue  
Chicago, IL 60647  
Sylvia Ewing Hoover  
773 278-4800, Ext. 129

773 278-3840 fax  
[http://www.cnt.org/sus\\_man/wet\\_cln.html](http://www.cnt.org/sus_man/wet_cln.html)

- **Cuyahoga Community College FabriCare Technology Center**, opening Fall 1997, will be a comprehensive source of technology transfer, training, and information for the garment care industry. The center will provide services and support in both traditional and emerging technologies. As the center develops, it will provide outreach at both the state and national levels.

The Small Business Environmental Assistance Center  
Cuyahoga Community College  
2415 Woodland Avenue  
Cleveland, OH 44115  
Sharon Fain  
216 987-3060

- **Ecology Action** is a private, nonprofit organization working with businesses and local governments to reduce hazardous and solid waste and conserve material resources. In 1997, the group started the Safer Technologies in Fabric Care Program to assist garment cleaners in exploring new technologies. As part of this program, Ecology Action is hosting seminars covering wet cleaning equipment operation, cleaning techniques, marketing approaches, and financial incentive programs.

P.O. Box 1188  
Santa Cruz, CA 95061  
Mahlon Aldridge  
408 426-5925, Ext. 16  
<http://gate.cruzio.com/~ecoact>

- **Tellus Institute** is a research organization that publishes reports on a variety of environmental issues such as Clean Air Act compliance and environmental cost accounting for businesses. Tellus Institute is a stakeholder in the DfE Garment and Textile Care Project, and has developed a *Pollution Prevention/Waste Minimization* manual for garment care professionals.

11 Arlington Street  
Boston, MA 02116-3411  
Dr. Deborah Savage  
617 266-5400

617 266-8303 fax  
<http://www.tellus.org>

- **Toxics Use Reduction Institute (TURI)**, a research, education, policy, and technical support organization, has developed a curriculum and related workshops to train garment care professionals to reduce their use of solvents. The curriculum focuses on alternative cleaning technologies, particularly wet cleaning, and includes sections on economics, worker health and safety, and liability issues. As part of its Cleaner Technology Demonstration Sites Program, TURI also has developed an in-depth analysis of the technology demonstrated in 1996 at Utopia Cleaners in Arlington, Massachusetts. This report documents Utopia's experience with a small wet cleaning machine, including the challenges faced by the cleaner, and how it overcame them.

University of Massachusetts—Lowell  
1 University Avenue  
Lowell, MA 01854-2851  
Jodie Siegel  
508 934-3275  
508 934-3050 fax  
<http://www.turi.org>

- **Wisconsin Fabricare Institute** developed the Wisconsin Certified Environmental Drycleaners exam. Developed in partnership with the Wisconsin Department of Natural Resources, this program is designed to help cleaners use perc more efficiently, comply with regulations, and pass tests on cleaning and the environment. As part of their 5 Star program, a cleaner must do 30 percent wet cleaning to attain 5 Stars and 25 percent wet cleaning to attain 4 Stars.

9910 West Layton Avenue  
Greenfield, WI 53228  
Joe Phillips  
414 529-4707  
414 529 4722 fax



## University and College Programs

- **Alternatives to Reduce Indoor Air Emissions From Perchloroethylene Dry Cleaning and Dry Cleaned Fabrics** is a cooperative project between North Carolina State University, Texas Woman's University, and Midwest Research Institute to evaluate new garment cleaning technologies with respect to physical, cleaning, and environmental effects. Each technology will be tested against standard perc cleaning, as well as against each other, to determine which methods have the most promising results.

North Carolina State University  
College of Textiles  
Box 8301  
Raleigh, NC 27695-8301  
Dr. Perry Grady, Associate Dean  
919 515-6651  
919 515-3057 fax

- **Cuyahoga Community College FabriCare Technology Center** (see p. 11 for description)

The Small Business Environmental Assistance Center  
Cuyahoga Community College  
2415 Woodland Avenue  
Cleveland, OH 44115  
Sharon Fain  
216 987-3060

- **Texas Research Center for Laundry and Dry Cleaning**, at Texas Woman's University, provides a facility for educational programs, research, and training in laundering and garment care technology. In addition, applied research relating to cleaning technology with consideration for environmental and quality concerns in the laundry and garment care industry is conducted there.

Texas Woman's University  
P.O. Box 425529  
Denton, TX 76204  
Charles Riggs  
817 898-2670

- **Toxics Use Reduction Institute** (see p. 11 for description)

University of Massachusetts—Lowell  
1 University Avenue  
Lowell, MA 01854-2851  
Jodie Siegel  
508 934-3275  
508 934-3050 fax  
<http://www.turi.org>

- **University of California, Los Angeles (UCLA), Pollution Prevention Education and Research Center Wet Cleaning Demonstration Project** is a 12-month evaluation and demonstration of a fully operational, privately owned wet cleaning facility called Cleaner by Nature. The intent of this study is to assess whether wet cleaning can serve as an alternative to dry cleaning based on data gathered at the demonstration site.

Pollution Prevention Education and Research Center  
UCLA  
3250 Public Policy Building  
Los Angeles, CA 90095-1656  
Jessica Goodheart, Project Manager  
310 206-4450  
310 825-1575 fax

## Labor Unions

- **United Needleworkers and Industrial Textile Employees**

275 Seventh Avenue  
Sixth Floor  
New York, NY 10001  
Eric Frumin  
212 691-1691  
212 807-0874 fax

- **Textile Care Allied Trades Association**

200 Broadacres Drive  
Bloomfield, NJ 07003  
David Cotter, Executive Director  
201 338-7700  
201 338-8211 fax

## Other Nongovernment Resources

### ■ Fabricare Legislative and Regulatory

**Education (FLARE)** is a grassroots organization composed of volunteers from within the garment care industry. FLARE's mission is to foster an environment in which the garment care industry can prosper. The organization seeks to accomplish this by providing a communications channel for the industry to facilitate discussion and education among industry members, regulators, legislators, and the general public on issues pertaining to the industry.

P.O. Box 5157  
Naperville, IL 60567-5157  
James Mayberry  
708 416-6221  
708 416-4150 fax

### ■ Professional Wet Cleaning Partnership

is a cooperative partnership dedicated to encouraging the development and demonstration of professional wet cleaning methods, and to helping cleaners survive and prosper in the face of heightened regulatory pressures. Participating organizations include:

- International Fabricare Institute
- Greenpeace
- Neighborhood Cleaners Association-International
- Center for Neighborhood Technology
- Fabricare Legislative and Regulatory Education Council
- Massachusetts Toxics Use Reduction Institute
- Federation of Korean Drycleaning Associations
- Union of Needletrades, Industrial & Textile Employees
- University of California, Los Angeles

c/o Sylvia Ewing Hoover  
Center for Neighborhood Technology  
773 278-4800, Ext. 129 or

William Fisher  
International Fabricare Institute  
301 622-1900

## Other Internet Resources

In addition to EPA information on garment care, the Internet houses information on an abundance of relevant organizations, articles, and fact sheets, including:

### ■ The Center for Neighborhood Technology

a nonprofit educational and technical assistance organization, has a homepage that is an excellent source of news about alternative garment care options, with a focus on wet cleaning. The site also offers a list of resources that can be requested by e-mail.

[http://www.cnt.org/sus\\_man/wet\\_cln.html](http://www.cnt.org/sus_man/wet_cln.html)

### ■ The Corner Cleaner Page

"A World Wide Web Resource for Drycleaners," is an essential site for Web-browsing garment care professionals. This homepage offers a wide range of current resources, such as Clean Air Act rules and other regulatory information, articles on recent developments in the industry, and links to other garment care related sites.

<http://www.pond.com/~hhorning/Cleaners.html>

### ■ Dateline/Calendar Pages

chronicle upcoming events in the garment care industry.

<http://www.pond.com/~hhorning/events/dateline.html>

### ■ The Florida Department of Environmental Protection, Division of Waste Management

has a homepage dealing directly with its Drycleaning Solvent Cleanup Program, which gives information on how to obtain an application form and a site screening form for your garment care facility.

<http://www.dep.state.fl.us/waste/programs/dryclean/index.htm>

### ■ The Ohio State University Extension Page

offers a fact sheet on rayon. This site also gives in-depth information on the qualities, types, and ways to clean rayon.

<http://www.ag.ohio-state.edu/~ohioline/hyg-fact/5000/5538.html>

# Periodical Publications

---

## **American Drycleaner**

500 North Dearborn Street  
Chicago, IL 60610-4901  
Earl V. Fischer, Editor  
312 337-7700

## **Drycleaners News**

70 Edwin Avenue  
P.O. Box 2180  
Waterbury, CT 06722-2180  
Dave Johnston, Editor  
203 755-0158

## **Korean Drycleaners Monthly**

P.O. Box 318  
Fort Lee, NJ 07024  
John Chung, Editor  
201 585-7299

## **Korean Drycleaners Times**

145 Madison Avenue, Sixth Floor  
New York, NY 10016  
J.C. Choe, Publisher  
212 545-1815

## **National Clothesline**

801 Easton Road  
P.O. Box 340  
Willow Grove, PA 19090-0340  
Hal Horning, Editor  
215 830-8467

## **Western Cleaner and Launderer**

100 North Hill Avenue  
Suite C  
Pasadena, CA 91160  
Dorothy Ballard, Liz Church, and Joan Reid,  
Editors  
818 793-2911

## **Wet Cleaning Update**

Center for Neighborhood Technology  
2125 West North Avenue  
Chicago, IL 60647  
Anthony Star, Associate Editor  
312 278-4800, Ext. 299  
[http://www.cnt.org/sus\\_man/wet\\_cln.html](http://www.cnt.org/sus_man/wet_cln.html)

# EPA Regional Offices

---

EPA's 10 regional offices work closely with state and local governments, as well as with EPA headquarters. Listed below are contacts within EPA's regional offices that can answer questions about garment care regulatory compliance, management of garment care solvents, and pollution prevention options (where noted).

## **Region 1 [Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont]**

JFK Federal Building  
1 Congress Street  
Boston, MA 02203-2211

Doug Koopman, Compliance  
617 565-3252  
E-mail: [koopman.doug@epamail.epa.gov](mailto:koopman.doug@epamail.epa.gov)

## **Region 2 [New Jersey, New York, Puerto Rico, Virgin Islands]**

290 Broadway  
New York, NY 10007-1866

Diane Buxbaum, Compliance  
212 637-3919  
E-mail: [buxbaum.diane@epamail.epa.gov](mailto:buxbaum.diane@epamail.epa.gov)

Venkata Rao, Compliance  
212 637-4053  
E-mail: [rao.venkata@epamail.epa.gov](mailto:rao.venkata@epamail.epa.gov)

Edward Linky, Pollution Prevention  
212 637-3764

## **Region 3 [Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia]**

841 Chestnut Building  
Philadelphia, PA 19107

James C. Kenney, Compliance  
215 566-2152  
E-mail: [kenney.james@epamail.epa.gov](mailto:kenney.james@epamail.epa.gov)

David Byro, Pollution Prevention  
800 228-8711 (Business Assistance Center)  
E-mail: [byro.david@epamail.epa.gov](mailto:byro.david@epamail.epa.gov)

**Region 4 [Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee]**

61 Forsyth Street, SW.  
Atlanta, GA 30303-3415

Rosalyn Hughes, Compliance  
404 562-9206  
E-mail: [hughes.rosalyn@epamail.epa.gov](mailto:hughes.rosalyn@epamail.epa.gov)

Dan Ahern, Pollution Prevention  
404 562-9028  
E-mail: [ahern.dan@epamail.epa.gov](mailto:ahern.dan@epamail.epa.gov)

**Region 5 [Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin]**

77 West Jackson Boulevard  
Chicago, IL 60604-3507

John Kelly, Compliance  
312 886-4882  
E-mail: [kelly.johnj@epamail.epa.gov](mailto:kelly.johnj@epamail.epa.gov)

Phil Kaplan, Pollution Prevention  
312 353-4669  
E-mail: [kaplan.phil@epamail.epa.gov](mailto:kaplan.phil@epamail.epa.gov)

**Region 6 [Arkansas, Louisiana, New Mexico, Oklahoma, Texas]**

1445 Ross Avenue  
Dallas, TX 75202-2733

Mary K. Marusak, Compliance  
214 665-7598  
E-mail: [marusak.mary@epamail.epa.gov](mailto:marusak.mary@epamail.epa.gov)

**Region 7 [Iowa, Kansas, Missouri, Nebraska]**

726 Minnesota Avenue  
Kansas City, KS 66101

Alma Moreno-Lahm, Compliance  
913 551-7380  
E-mail: [moreno-lahm.alma@epamail.epa.gov](mailto:moreno-lahm.alma@epamail.epa.gov)

Gary Schlicht, Compliance  
913 551-7097  
E-mail: [schlicht.gary@epamail.epa.gov](mailto:schlicht.gary@epamail.epa.gov)

Ron Stone, Pollution Prevention  
913 551-7158  
E-mail: [stone.ronald@epamail.epa.gov](mailto:stone.ronald@epamail.epa.gov)

**Region 8 [Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming]**

999 18th Street  
Denver Place, Suite 500  
Denver, CO 80202-2045

Scott Whitmore, Compliance  
303 312-6317  
E-mail: [whitmore.scott@epamail.epa.gov](mailto:whitmore.scott@epamail.epa.gov)

Jack Hidinger, Pollution Prevention  
303 312-6387  
E-mail: [hidinger.jack@epamail.epa.gov](mailto:hidinger.jack@epamail.epa.gov)

**Region 9 [Arizona, California, Hawaii, Nevada, American Samoa, Guam]**

75 Hawthorne Street  
San Francisco, CA 94105

Angela Baranco, Compliance  
415 744-1196  
E-mail: [baranco.angela@epamail.epa.gov](mailto:baranco.angela@epamail.epa.gov)

Leif Magnuson, Pollution Prevention  
415 744-2153  
E-mail: [magnuson.leif@epamail.epa.gov](mailto:magnuson.leif@epamail.epa.gov)

**Region 10 [Alaska, Idaho, Oregon, Washington]**

1200 Sixth Avenue  
Seattle, WA 98101

Andrea Longhouse, Compliance  
206 553-8760  
E-mail: [longhouse.andrea@epamail.epa.gov](mailto:longhouse.andrea@epamail.epa.gov)

