



December 2005

We Want Your Site Profile!

Currently, there are over 100 drycleaning site remedial profiles posted on the SCRDR website. SCRDR is actively soliciting profiles for drycleaning sites where remediation has been implemented. To qualify for posting the site must be a drycleaner or drycleaning wholesale supply site where remedial action has been implemented for a minimum of one year. SCRDR is particularly interested in sites where innovative technologies have been utilized and in sites where innovations have been applied to conventional remedial technologies. Including both **cost data** and “**lessons learned**” in site profiles is important.

If you are interested in posting a drycleaning site profile on the SCRDR website go to <http://www.drycleancoalition.org>, then go to “Submit a Profile”. Follow the instructions on the page.

State Progress on Remediation of Drycleaning Sites Continues

Remediation has been initiated at drycleaning sites at twelve of the thirteen states with drycleaning solvent cleanup programs. As of November 29, 2005, cumulative statistics for the SCRDR member states are as follows:

- 3363** Sites in drycleaning programs
- 1327** Sites where contamination assessment work has been initiated
- 611** Sites where contamination assessment work has been completed
- 327** Sites where remediation has been initiated
- 122** Sites where remediation has been completed
- 241** Sites closed

Remedial technologies that have been utilized at these sites include: excavation/removal, soil vapor extraction, pump & treat, air sparging, dual-phase extraction, multi-phase extraction, recirculating wells, chemical oxidation (including the use of potassium permanganate, sodium permanganate, Fenton’s reagent & ozone), diffusive oxygen emitters, co solvent flushing, oxygen–release compound, biostimulation (utilizing potassium lactate, ethyl lactate, molasses, emulsified soy bean oil, hydrogen release compound, dextrose & emulsified oil substrate, and bioaugmentation.

Project Management Technical Subgroup/Outreach Subgroup

The Project Management Technical Subgroup is currently working on a paper that analyzes and summarizes the data contained in the SCRD site profiles which now contains profiles on over 100 drycleaning sites where remediation has been conducted.

In conjunction with the Outreach Subgroup, the Project Management/Technical Subgroup is developing a “Virtual Tour of a Drycleaning Operation”. The “Tour” will include photographs, figures and diagrams with text to explain the drycleaning process, including equipment used, functions, processes and wastes generated. The “Virtual Tour...” should be posted on the SCRD website in the spring of next year.

The Outreach Subgroup is currently compiling data on “The Newer Drycleaning Solvents”. A table will contain data on the newer drycleaning solvents that have been developed as alternatives to Perchloroethylene. Included in the table will be data on manufacturer/marketers, chemical composition and properties, such as density, flashpoint, etc. The table will be posted on the SCRD website early next year.

Midwestern States Risk Assessment Symposium

The Indiana Department of Environmental Management will host the Midwestern States Risk Assessment Symposium, August 23–25, 2006, in Indianapolis. The topic for the symposium is Chlorinated Solvents. There will be two separate sessions, Trichloroethylene and Drycleaners. SCRD will co-chair the drycleaning session. Although the agendas have not been finalized, some of the topics will likely be: TCE – cancer slope factor, risk management and innovative approaches. Under the drycleaning session likely topics are: state funding mechanisms, vapor intrusion issues and identification and remediation of abandoned sites. Additional information can be obtained from Bill Hayes of the Indiana Department of Environmental Management: bhayes@idem.in.gov.

Peer Review

SCRD recently provided a peer review of a document entitled: *Study of Potential for Groundwater Contamination from Past Dry Cleaner Operations in Santa Clara County*. This document was prepared by Santa Clara Valley Water District.

Presentation

On December 7, SCRD chair Bill Linn made a presentation in Baltimore to the Maryland Department of the Environment on drycleaning operations and assessment and remediation of contaminated drycleaning sites.

New Publications

A draft copy of *California Dry Cleaning Industry Technical Assessment Report* – October 2005, compiled by the California Environmental Protection Agency Air Resource Board has been posted at:

<http://www.arb.ca.gov/toxics/dryclean/draftdrycleantechreport.pdf>. The report contains information on some of the newer drycleaning solvents, emission control technology and fairly comprehensive statistics on the California drycleaning industry.

The Hazardous Materials and Waste Management Division of the Colorado Department of Public Health and Environment has posted a draft copy of *Dry Cleaner Remediation Guidance Document* (October 2005) at

<http://www.cdphe.state.co.us/hm/drycleanerreview.htm>.

SCRD Fact – As of November 29, 2005, there are 347 subscribers to the SCR D Newsletter.

SCRD members are state governments that have established programs to fund remediation of drycleaner sites. Current member states include Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. California, Louisiana, New York, and Virginia, which do not have formal programs but are active in drycleaner remediation under other authorities, also participate in Coalition activities. SCR D provides a forum for states to share programmatic, technical, and environmental information to improve the remediation of drycleaner sites. SCR D was established in 1998 and receives technical, management, and training support from the U.S. EPA Office Superfund Remediation and Technology Innovation (OSRTI) and the National Ground Water Association (NGWA).