

Kansas Drycleaning Program



Fiscal Year 2003 Semi-Annual Newsletter

Spring 2003

Program Management

The Kansas Drycleaning Program is managed by the Kansas Department of Health & Environment's (KDHE) Bureau of Environmental Remediation. The Program addresses registration of current drycleaning facilities, compliance with regards to pollution prevention measures, and cleanup of contaminated soil and groundwater from former and current drycleaning facilities.

Solvent Fees Have Reached Their Limit

Fees for drycleaning solvents have been increasing each year since the inception of the Drycleaning Environmental Response Act (DERA) by \$0.50 per gallon for chlorinated solvent and \$0.05 per gallon for non-chlorinated solvents. The 2003 fee structure is the final increase based on the current laws. The current solvent fees are as follows:

- Chlorinated solvents: \$5.50 per gallon
- Non-chlorinated solvents: \$0.55 per gallon

Environmental Surcharge

The environmental surcharge remains a 2.5% fee on all services provided at a drycleaning facility.

The solvent fee and environmental surcharge are applied to the entire drycleaning industry. The type of solvent does not affect the requirement for collection of the monies. The list of solvents includes, but is not limited to: perc, petroleum, CO₂, Green EarthSM, Rynex, and DF-2000.

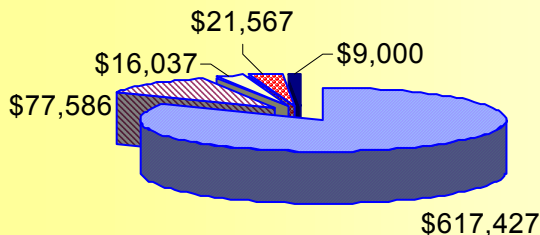


Receipts and Expenditures

Receipts for the Kansas Drycleaning Program include a 2.5% environmental surcharge, solvent fees, drycleaning facility registrations, deductibles for sites in the drycleaning trust fund, and interest earned by the trust fund. The receipts for the first six months of Fiscal Year 2003 (July 1 through December 31, 2002) are shown on the chart below. The total of \$741,616 is consistent with previous years receipts.

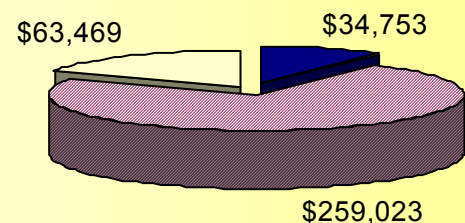
Expenses are also documented in a table below. The total expenses of \$357,245 are below normal spending. Contracting has since risen dramatically in the first 3 months of 2003. Approximately \$900,000 of expenses has been incurred through March 28, 2003.

**Partial Fiscal Year 2003 Receipts
July - December 2002 (\$741,616)**



- Environ. Surcharge
- DC Registration Fee
- Deductible Pmts.
- Interest
- Solvent Fee

**Partial Fiscal Year 2003 Expenses
July - December 2002 (\$357,245)**



- Administrative
- Facility Cleanups
- Salary & Wages

Fishing Wits

- Game Warden: Fishing? Man without license: Nope, drowning worms.
- Stranger: Catch any fish? Fisherman: Did I? I caught 30 this morning! Stranger: Do you know who I am? I'm the game warden. Fisherman: Do you know who I am? I'm the biggest liar in the county.

Meet the Staff

The Kansas Drycleaning Program is managed and administered by a team of environmental geologists, scientists, and technicians; an accountant; and an administrative assistant. In addition to their responsibilities in the Kansas Drycleaning Program, these staff also receive partial funding from other state programs and have duties associated with closed and contaminated landfills, emergency spill response, and meth lab cleanup. This column will introduce you to the KDHE staff over the next several issues of this newsletter.

Bob Jurgens, Unit Chief

Bob has been the Unit Chief for the Landfill Remediation Unit since 1998. His duties include managing KDHE's Landfill Remediation Program and Kansas Drycleaning Program, as well as project management on specific sites. Bob has a AAS in Natural Resources Management and BS from the University of Nebraska, specializing in groundwater hydrology. His experience includes 4 years of construction inspection/surveying, 6 years with environmental consulting firms in the Midwest, and 5 years with KDHE. Please feel free to contact Bob at (785) 291-3250 if you have any questions regarding the Kansas Drycleaning Program.



Rick Avila, Research Analyst

Rick oversees the annual registration of drycleaning facilities. He also has general accounting responsibilities for various programs, including the Kansas Drycleaning Facility Release Trust Fund Program. Rick has a BBA in Accounting from Washburn University and has experience working for KDHE, Kansas Department of Revenue and private accounting companies. Rick can be reached at (785) 291-3121.

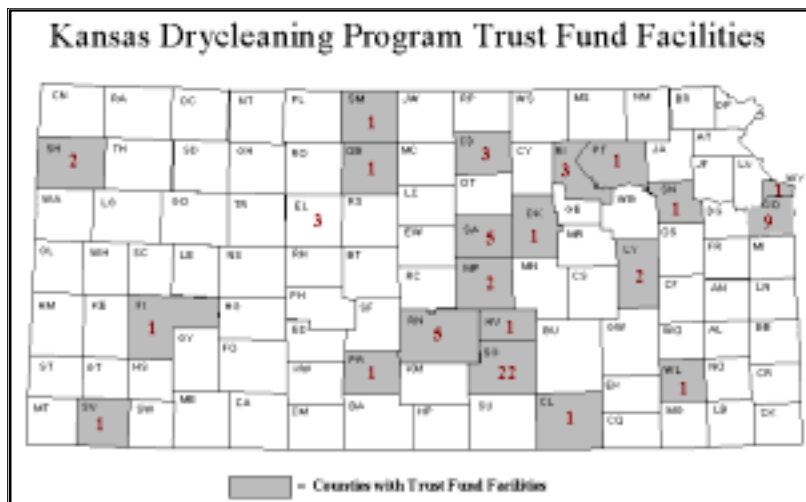


Kansas Drycleaning Facility Release Trust Fund

The Kansas Drycleaning Facility Release Trust Fund is managed by the Kansas Drycleaning Program. The trust fund was created in 1995 to assist drycleaners with the cost of cleanup for soil and groundwater contamination from drycleaning facilities. The cost of cleanup at some of the sites can often exceed several million dollars. The financial benefit for drycleaners is clearly evident. If a drycleaning facility has been contaminated with drycleaning solvents, the facility owner,

facility operator, real property owner, or local municipality may apply to the trust fund. The applicant must meet the minimum requirements for acceptance into the trust fund. Once a facility is accepted into the trust fund the site is prioritized based on the actual or potential risk to human health

and the environment. Sites with a higher priority typically have contaminated groundwater and the groundwater is being used for drinking water. As of February 1, 2003, KDHE had 70 sites accepted into the trust fund program. The inset map illustrates where the sites are located.



Quips & Quotes

- "It's not me who can't keep a secret - it's the people I tell that can't." Abe Lincoln
- "Choose a job you love and you will never have to work a day in your life." Confucius
- "If you want your children to keep their feet on the ground, put some responsibility on their shoulders." Abigail Van Buren

What you need to know if you have a contaminated site:

Application: An application for acceptance into the trust fund is located on the Kansas Drycleaning Program's web page at www.kdhe.state.ks.us/dryclean or call KDHE at (785) 296-6370. The application must be completed and sent to KDHE for review. Once a site is accepted into the trust fund program, the site is prioritized to receive funding based on its impact to human health and the environment. Higher ranking sites may receive funding immediately, whereas lower ranked sites may not receive funding for several years. A \$5,000 deductible by the applicant is due when KDHE begins the site assessment.

Applicant requirements: The applicant shall provide access to the site for assessment and cleanup efforts. The applicant is also required to sign special waste disposal forms and manifests for any waste derived from the assessment and cleanup efforts. This signature is required from the generator and the applicant is considered the generator in these situations.

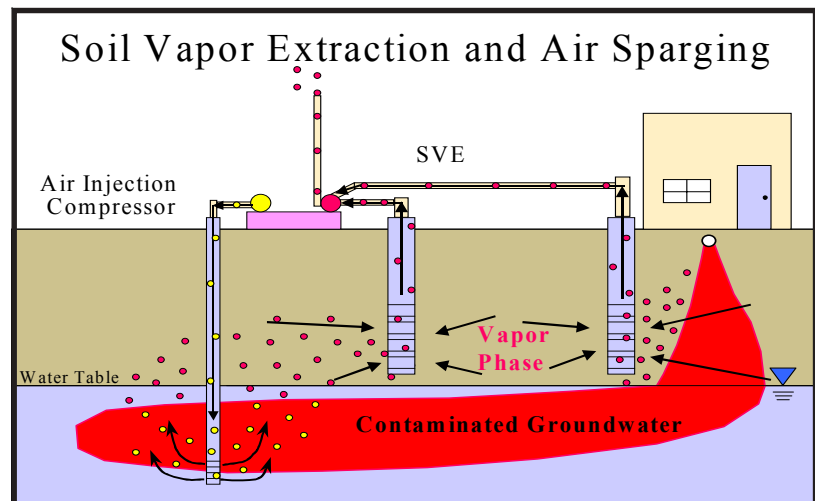
Site Profile: Garden City Laundry

Garden City Laundry in Garden City was accepted into the trust fund in 1996. KDHE completed an assessment of the site in 1997 for a cost of \$45,000. The former drycleaning facility had been torn down and the site is now a parking lot owned by the City of Garden City.

Tetrachloroethylene, also known as perc or PCE, was the main contaminant of concern. The assessment identified a contaminant plume extending approximately 1/4 mile from the site. KDHE installed an ozone sparging system in 1998 to contain the groundwater contaminant plume. Ozone oxidizes (destroys) the contaminants which creates harmless carbon dioxide and water. The system operated for four years and was shut down because the groundwater concentrations were below cleanup levels.

The ozone sparging system was treating the plume, however it was not reducing the source area near the former drycleaner. In 2000, a soil vapor extraction (SVE)/air sparge (AS) system was installed to clean up the source area. Three SVE wells and six AS wells were installed at the source area to clean up contaminants in the soil and groundwater. The SVE/AS cleanup system was designed to inject air into the groundwater. The air strips the contaminants out of the groundwater and rises to the top of the water table. The SVE system places a vacuum on wells installed above the groundwater table.

As the rising bubbles break through the water table the contaminated air is pulled through the soil toward the vacuum well and vented into the atmosphere. The figure below depicts air being injected into the AS injection well and pulled out of the ground through the SVE wells.



Remediation System Costs

- Ozone Injection System - \$116,000
(\$60,000 install & \$56,000 operation)
- SVE/AAS System- \$152,000
(\$130,000 install & \$22,000 operation)

The site remediation has been very successful and the remediation systems have been shut down. Laboratory results indicate the ground water is consistently under the cleanup levels set for groundwater. KDHE will continue to monitor the site for 1 to 2 years. The Garden City Laundry site appears to have been cleaned up and is in long term monitoring.

One good thing about being young is that you are not experienced enough to know you cannot possibly do the things you are doing. - Gene Brown

Frequently Asked Questions

How is Green EarthSM solvent classified with regards to solvent fees? Green EarthSM solvent is considered a non-chlorinated solvent therefore a solvent fee of \$0.55 per gallon is paid by the distributor to the Kansas Dept. of Revenue.

What are the benefits of placing my contaminated site in the trust fund program? The Drycleaning Facility Release Trust Fund Program limits your liability with respect to paying to clean up your site's contamination. The clean up will still occur but, your liability is a \$5,000 deductible and anything over \$5,000,000. The trust fund covers most of the cost for cleanup. Most sites should be cleaned up for much less than \$5,000,000. Owners that do not apply to the trust fund will be responsible for those costs through different state or federal cleanup programs. Many banks have allowed property transactions when the site is in the trust fund.

How True it is!

- *No matter how busy people are, they are never too busy to stop and talk about how busy they are.*
- *Life's briefest moment is the time between reading the sign on the highway and realizing you missed your exit.*

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