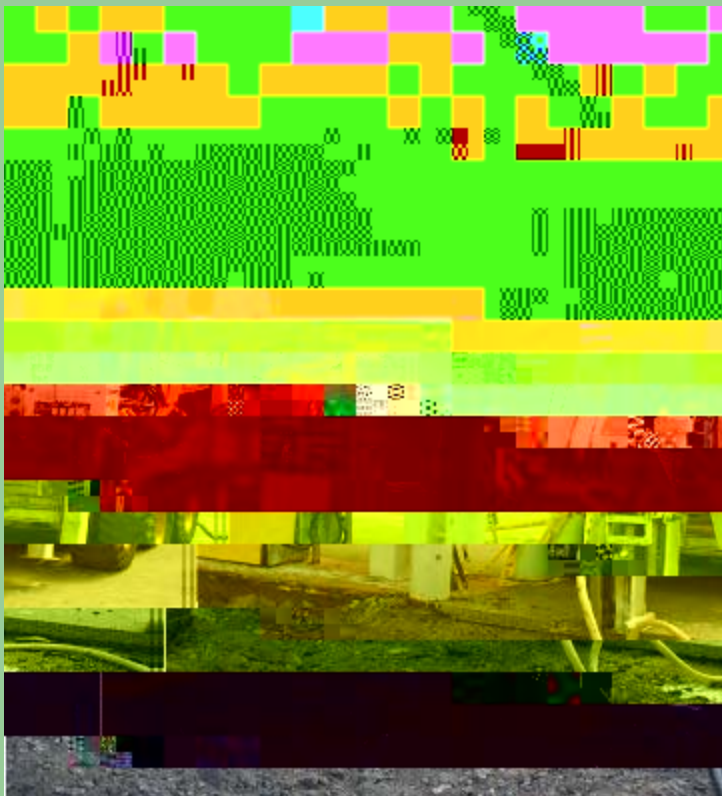
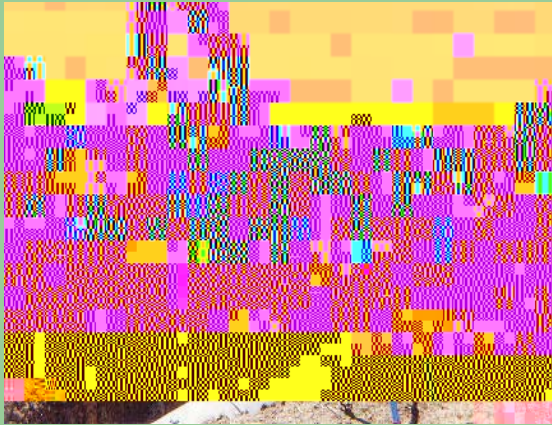




# Leaking Underground Storage Tank Program 2003 Annual Report



Top Left: Groundwater remediation may require the installation of extensive recovery systems.

Top Right: Excavation and disposal of contaminated soil is the traditional method of remediation at leaking underground storage tank sites.

Bottom Left: Active gas stations may utilize alternative technologies, such as chemical injections, to remediate contaminated soil and groundwater in place.



*Renee Cipriano*

## *From the Director*

For the third straight year, the Leaking Underground Storage Tank Program closed more sites than were reported. With this significant accomplishment, 18,498 acres in Illinois have been remediated since 1989 bringing us closer to our federal cleanup goal. In addition, \$69.1 million was reimbursed to tank owners and operators for their corrective action costs in 2003.

The Illinois EPA recently filed new regulations and amendments to the current regulations with the Illinois Pollution Control Board to streamline the program. We believe the proposed new regulations and amendments will expedite underground storage tank cleanups in Illinois and reduce cleanup costs.

Next year will be the 15-year anniversary of the Leaking Underground Storage Tank Program in Illinois and we are proud of the results we have seen over the years. Our goal of assisting tank owners and operators in remediating their sites and obtaining reimbursement has helped Illinois become a leader in timely and efficient environmental revitalization.



## About The Program

Illinois entered into a cooperative agreement with the U.S. EPA in which the Illinois EPA and the Illinois Office of the State Fire Marshal administer a comprehensive Underground Storage Tank Program at the state level. The Illinois EPA administers the remedial investigation, corrective action, and reimbursement portions of the state program, while the Illinois Office of the State Fire Marshal administers the preventative and permitting side of the program and regulates daily operation and maintenance of underground storage tank systems, including oversight for tank removals.

The regulatory authority for the Leaking Underground Storage Tank Program comes from 35 Illinois Administrative Code 731: Underground Storage Tanks; 732: Petrol

Collection of soil samples for site investigation is performed by the IEPA's Office of Site Evaluation.

# Regulated Substances

The Leaking Underground Storage Tank  
Section oversees and reviews remediation  
activities at sites for which releases of  
regulated substances

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## No Further Remediation Letter Restrictions

The decision whether to accept restrictions or remove the remaining contamination in order to qualify to receive a No Further Remediation Letter is made by tank owners and operators. Type of restrictions include:

**Engineered Barrier:** Engineered barriers block the exposure pathway and may include asphalt or concrete pavement, permanent structures (e.g., buildings) or other material approved by the Illinois EPA. An engineered barrier must be properly maintained to prevent exposure to any remaining contamination.

**Environmental Land Use Control:** A document that is recorded on the chain of title of an off-site property that imposes some type of restriction.

**Groundwater Use Ordinance:** A groundwater use ordinance, adopted by local government, prohibits the installation and use of potable water supply wells, either within the entire community or a portion of the community.

**Groundwater Use Restriction:** A groundwater use restriction prohibits the installation and use of potable water supply wells, usually at the site. Restrictions may also include environmental land use controls for other properties that may have been impacted by the site release and would, therefore, prohibit groundwater use off-site in place of a local ordinance.

**Highway Authority Agreement:** A highway authority agreement is between the tank owner or operator and the highway authority and prohibits the use of groundwater and limits access to soil contamination under a highway right-of-way.

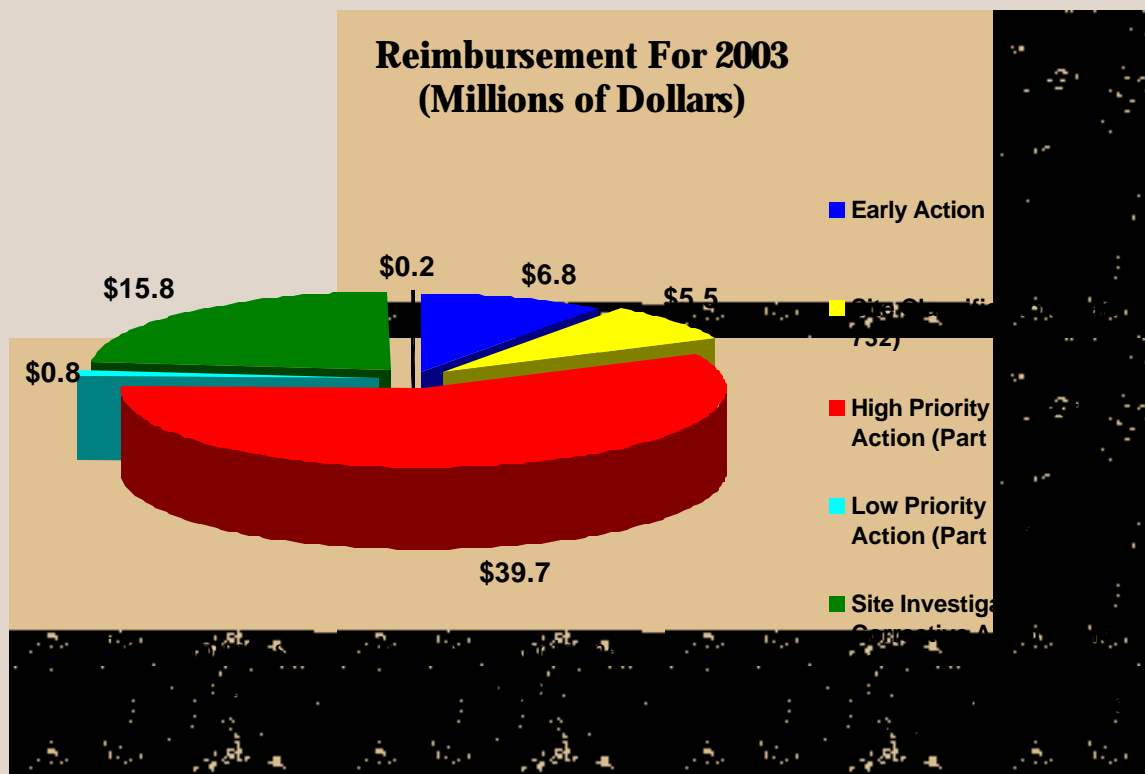
**Industrial/Commercial Restriction:** An industrial/commercial land use restriction prohibits residential use of the site.

## Tiered Approach to Corrective Action Objectives

The primary goal of remediation is to manage contamination to prevent harm to human health and the environment. The Tiered Approach to Corrective Action Objectives regulations in 35 Ill. Adm. Code 742 provide more flexibility to site owners or operators in the development of remediation objectives by allowing the use of a risk-based, site-specific approach. These remediation objectives protect human health while taking into account site conditions and land use scenarios. Site owners or operators decide how to best manage their sites within Tiered Approach to Corrective Action Objectives guidelines, subject to the Illinois EPA review and approval. By exercising these choices, site owners or operators may reduce remediation costs, return more sites to productive use, and hasten property redevelopment, while still remaining in full compliance with environmental laws and regulations.

# Underground Storage Tank Fund

Federal underground storage tank regulations require petroleum underground storage tank owners or operators to demonstrate their financial ability to remediate tank releases and to pay for damages to third parties. Federal underground storage tank regulations allow, but do not require, states to establish publicly



# Who To Contact

<p>Illinois Pollution Control Board                  Phone: 217-524-8500  <a href="http://www.ipcb.state.il.us">www.ipcb.state.il.us</a></p>	<p>To obtain copies of environmental regulations.</p>
<p>Illinois Emergency Management Agency                  Phone: 217-782-7860                  Toll Free: 1-800-782-7860</p>	<p>To report releases from an underground storage tank system.</p>
<p>Office of the State Fire Marshal                  Division of Petroleum and Chemical Safety                  1035 Stevenson Drive                  Springfield, Illinois 62703                  Phone: 217-785-5878  <a href="http://www.state.il.us/osfm">www.state.il.us/osfm</a></p>	<p>For questions regarding:                  Underground storage tank system installation, upgrade or removal                  Leak prevention or detection                  Aboveground storage tanks                  Complaints about suspected underground storage tank system releases                  Financial responsibility requirements                  Underground Storage Tank Fund eligibility and deductible</p>
<p>Illinois EPA Leaking Underground Storage Tank Section                  1021 North Grand Avenue East                  P.O. Box 19276                  Springfield, Illinois 62794-9276                  Phone: 217-782-6762                  Toll Free: 1-888-299-9533                  Fax: 217-524-4193  <a href="http://www.epa.state.il.us/land/lust/index.html">www.epa.state.il.us/land/lust/index.html</a></p>	<p>For questions regarding:                  Reported releases                  Reviews of plans, reports and budgets                  Leaking Underground Storage Tank remediation                  Leaking Underground Storage Tank Program regulatory requirements                  Request for copies of publications and forms (also available on the Web site)</p>
<p>Illinois EPA Leaking Underground Storage Tank Claims Unit                  1021 North Grand Avenue East                  P.O. Box 19276                  Springfield, Illinois 62794-9276                  Phone: 217-782-6762                  Fax: 217-557-1165</p>	<p>For questions regarding reimbursement and claims.</p>
<p>Illinois EPA Freedom of Information Act Unit                  1021 North Grand Avenue East                  P.O. Box 19276                  Springfield, Illinois 62794-0276                  Attn: Jan Ogden, #24                  Phone: 217-782-9878                  Fax: 217-782-9290                  Email: <a href="mailto:FOIA@epa.state.il.us">FOIA@epa.state.il.us</a></p>	<p>To obtain copies of plans, reports and correspondence on leaking underground storage tank sites.</p>
<p>Illinois EPA Field Operations Section                  Phone: 217-785-8604                  Fax: 217-524-1991</p>	<p>To report environmental complaints.</p>