
TRICORE ENVIRONMENTAL, LLC

Clark Retail Station #646
399 West Liberty Street
Illinois EPA Site ID No. LPC 0971855024
Lake County
Wauconda, Illinois 60084

Fact Sheet No. 1

March 6, 2007

**Site Location
and Description**

The site is located at 399 West Liberty Street, Wauconda, Lake County, Illinois (Figure 1). The site has historically operated, and is currently operating, as a retail gasoline station.

Background

On December 27, 1989, a release of gasoline was reported from the underground storage tank (UST) system located at the site. As a result, Illinois Emergency Management Agency (IEMA) incident number 892744 was assigned to the release. In October and November 1990, two USTs were removed from the site. After the USTs were removed, the soil and groundwater within the former UST area exhibited indications of a release. Therefore, on October 30, 1990, another release of gasoline was reported to IEMA and incident number 903199 was assigned to the release. Grossly contaminated soil in the excavation was removed once the leaking USTs were removed; however, the releases have affected the soil and groundwater on and near the site. Additionally, gasoline vapors have historically been reported in a home adjacent to the site as a result of the releases.

The indicator chemicals for gasoline are benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE). To date, soil borings and groundwater monitoring wells have been installed on and near the site to determine the levels and extent of the BTEX and MTBE above the state's cleanup objectives for residential properties, also known as the Tiered Approach to Corrective Action Objectives, Tier 1 remediation objectives set forth by the Illinois Environmental Protection Agency (Illinois EPA). Based on the analytical data collected by TriCore Environmental, LLC (TriCore) on behalf of the current owner, the BTEX and MTBE in the soil and groundwater have been defined on site to the south and west and off site to the north and east (Figures 2 and 3). Groundwater flow direction is to the north.

Chemical Information

Gasoline consists of approximately 150 chemicals. Part of the characteristic chemical makeup of gasoline is BTEX and until recently, MTBE. They are indicators of gasoline contamination and consequently are the chemicals for which soil and groundwater samples are analyzed when gasoline contamination is suspected.

The ways which a person can be exposed to these chemicals from a historical UST release are 1) soil ingestion; 2) groundwater ingestion; and 3) vapor inhalation from contaminated soil and/or groundwater.

Many of the harmful effects of gasoline are due to the individual chemicals in gasoline, mainly BTEX and MTBE, which are present in small quantities. Breathing in small amounts of gasoline vapors can lead to nose and throat irritation, headaches, dizziness, nausea, confusion, and breathing difficulties. Symptoms from swallowing small amounts of gasoline include mouth, throat, and stomach irritation, nausea, vomiting, dizziness, and headaches. Some effects of skin contact with gasoline include rashes, redness, and swelling.

Should I test my water?

If you receive your water from the public water supply of the Village of Wauconda, it is not necessary to have your water tested for BTEX and MTBE. The Illinois EPA has sent a letter to the Village of Wauconda informing them about this issue and will recommend that the Village sample Community Well #3 on a quarterly basis for volatile organic compounds (VOCs), including BTEX and MTBE. According to the Village of Wauconda, Community Well #3 has been and will continue to be tested for VOCs on a quarterly basis.

For additional information on Community Well #3 and the testing plan, please contact Bob Devery, Engineer for the Village of Wauconda. Contact information for Mr. Devery is provided below.

Can vapors enter into my home?

It is unlikely that a home built on an unbroken, uncracked concrete slab and completely above the ground surface will experience vapor intrusion into the home.

Vapor intrusion is more likely if your home has a basement or some portion of your home is below ground surface, the concentrations of VOCs in the soil or groundwater are high, and your home is very near the source.

How do I know if I have vapors in my home?

Periodically inspect the areas of your home that are below ground surface (i.e. the crawlspace, basement, or lower level of a split-level or tri-level home). If you notice any odors that smell like gasoline, the vapors may

potentially be a result of the low level BTEX and MTBE concentrations in the groundwater. Even if you do not smell gasoline odors, you may have vapor intrusion. The only way to be certain is to have your home checked using appropriately sensitive equipment.

What should I do if vapors are in my home?

If you think you have identified gasoline vapors in your home or suspect you may have a problem as a result of the low level BTEX and MTBE concentrations in the groundwater, please contact TriCore Environmental, LLC (TriCore) and we will be glad to come and quantitatively screen your home. Contact information for TriCore is provided on Page 4 of this fact sheet.

What steps are being taken to clean up the gasoline contamination?

In addition to the original excavation of grossly contaminated soil at the site, on November 3, 2006, an Amended Corrective Action Plan (CAP) and Budget was approved by the Illinois EPA. The Amended CAP proposed the next steps in evaluating a method of remediation to address the soil and groundwater contamination. Currently, TriCore is in the process of coordinating and scheduling the soil and groundwater sampling activities that were proposed in the first Amended CAP. The activities are necessary to determine the correct method of remediation for the soil and groundwater contamination. Once the sampling results have been received and evaluated, a method of remediation will be proposed and submitted to the Illinois EPA for review as a further Amended CAP. Once the remediation has been approved by the Illinois EPA, it can be implemented.

When will these activities happen?

The following is an approximate schedule of the activities described above.

<u>Date</u>	<u>Activity</u>
01/07	Coordinate, schedule, and complete the soil and groundwater sampling activities.
01/07 – 02/07	Obtain and evaluate the soil and groundwater results.
03/07	Complete and submit a remediation plan in an Amended CAP to the Illinois EPA.
03/07 – 07/07	Illinois EPA reviews and approves or rejects the remediation plan.
08/07	Coordinate and initiate method of remediation or revise and resubmit remediation proposal for approval.

How will I know that these activities have been completed? Once the proposed Amended CAP described above has been reviewed by the Illinois EPA, TriCore will send out an updated fact sheet summarizing the proposed method of remediation selected and providing a more detailed schedule for implementation of the remediation. In the interim, periodic updates will be posted on TriCore's website at <http://www.tricoreweb.com>.

Who are the site representatives and contacts?	<u>Site Owner</u>	<u>Site Consultant</u>
	Shivam Energy Inc. 399 West Liberty Street Wauconda, Illinois 60084	Shawn Rodeck, P.E. TriCore Environmental, LLC 1800 West Hawthorne Lane, Suite P West Chicago, Illinois 60185 Phone: (630) 520-9973 Email: sarodeck@aol.com

Who is the contact at the Village of Wauconda?	Bob Devery Engineer for the Village of Wauconda Devery Engineering, Inc. 145 Commerce Drive, Suite B Grayslake, Illinois 60030-7834 Phone: (847) 548-8153
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Who is the contact at the Lake County Health Department?	Larry Mackey Lake County Health Department 3010 Grand Avenue Waukegan, Illinois 60085 Phone: (847) 356-6222
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Who are the contacts at the Illinois EPA?	Mara McGinnis Community Relations Coordinator Office of Community Relations Illinois Environmental Protection Agency 1021 North Grand Avenue East P.O. Box 19276 Springfield, Illinois 62794-9276 Phone: (217) 524-3288 Email: Mara.McGinnis@illinois.gov
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**Where can I get
additional
information?**

Site related documents and additional information are available through the Illinois EPA's Bureau of Land Freedom of Information Act office. To obtain more information about this site, please file a request for site specific information to the address listed below or submit a request through the Illinois EPA's website <http://www.epa.state.il.us/foia/contacts.html>. In your requests, please reference the site name, Former Clark Retail Station #646, and the Bureau of Land's identification number, LPC No. 0971855024.

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Illinois Environmental Protection Agency
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Additional information may also be obtained from TriCore's website <http://www.tricoreweb.com>.

FIGURES