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# TRICORE ENVIRONMENTAL, LLC

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

Fact Sheet No. 2

January 5, 2009

**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.

**Recent Activities  
(updated)**

On December 27, 2008, gasoline vapors were reported in a residential home adjacent to the site.

On December 29, 2008, TriCore Environmental, LLC (TriCore) visited the site and the home which reported the vapors. A slight hydrocarbon odor was observed within the home at the time of TriCore's visit, but no odor was detected in the basement. Additionally, TriCore inspected several monitoring wells and underground storage tank (UST) sumps adjacent to the USTs. No evidence that the vapors observed in the adjacent home were the result of a new release of gasoline at that time.

On December 31, 2008, TriCore returned to the site to meet Mr. Brian Bauer, Project Manager with the Illinois Environmental Protection Agency Leaking Underground Storage Tank Section, and Ms. Jacqueline D. Soccorso, Director of Environmental Quality with the Village of Wauconda. Several of the homes adjacent to the site, including the home which reported the gasoline vapors on December 27, 2008, were inspected for vapors. No gasoline vapors were observed within the two homes inspected. Additionally, several monitoring wells and UST sumps adjacent to the USTs were gauged. Gasoline was present in the sumps and one of the monitoring wells. North Branch Environmental was then contacted to remove the gasoline from the sumps and the well. Accurate Tank was also contacted to inspect the UST system. Upon inspection of the UST system, Accurate Tank discovered a leak at one of the dispensers. Accurate Tank then shut of the dispenser so that the leak would not continue and to schedule repairs. Based on the discovery of the leak at one of the dispensers a new release was reported to the Illinois Emergency Management Agency.

**Chemical  
Information**

Gasoline consists of approximately 150 chemicals. Part of the characteristic chemical makeup of gasoline is benzene, toluene, ethylbenzene, and total xylenes (BTEX) and until recently, methyl tertiary-butyl ether (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 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? (updated)** TriCore is in the process of coordinating and scheduling soil and groundwater investigation activities to reevaluate the extent of the soil and groundwater contamination as a result of the new release. The soil investigation activities will consist of performing soil borings around the UST system. The groundwater investigation activities will consist of sampling all of the groundwater monitoring wells. Once the sampling results have been received, they will be evaluated to determine if the extent of the soil and groundwater contamination has been defined. If the extent has not been defined, then additional investigation activities may be required. This information will be provided to the Illinois EPA in a corrective action plan (CAP) to address the new and old releases.

**When will these activities happen? (updated)** The following is an approximate schedule of the activities described above.

<u>Date</u>	<u>Activity</u>
01/09	Coordinate, schedule, and complete the soil and groundwater investigation activities.
01/09 - 02/09	Obtain and evaluate the soil and groundwater results.
03/09	Complete and submit a CAP to the Illinois EPA.
03/09 – 07/09	Illinois EPA reviews and approves or rejects the CAP.

**How will I know that these activities have been completed? (updated)** Once the CAP has been reviewed by the Illinois EPA, TriCore will send out an updated fact sheet summarizing the next steps to remediate the soil and groundwater contamination. In the interim, periodic updates will be posted on TriCore's website at <http://www.tricoreweb.com>.

**Who are the site  
representatives  
and contacts?**

Site Owner  
Shivam Energy Inc.  
399 West Liberty Street  
Wauconda, Illinois 60084

Site Consultant  
Shawn Rodeck, P.E.  
TriCore Environmental, LLC  
1800 West Hawthorne Lane, Suite P  
West Chicago, Illinois 60185  
Phone: (630) 520-9973  
Fax: (630) 520-9976  
Cell: (847) 533-4399  
Email: [sarodeck@aol.com](mailto:sarodeck@aol.com)

**Who are the  
contacts 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

Ms. Jacqueline D. Soccorso  
Director of Environmental Quality  
Village of Wauconda  
109 West Bangs Street  
Wauconda, Illinois 60084  
Phone: (847) 487-3575

**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

**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](mailto:Mara.McGinnis@illinois.gov)

Brian P. Bauer  
Project Manager  
Leaking Underground Storage Tank Section  
Illinois Environmental Protection Agency

1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
Phone: (217) 782-3335  
Email: [Brian.Bauer@illinois.gov](mailto:Brian.Bauer@illinois.gov)

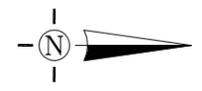
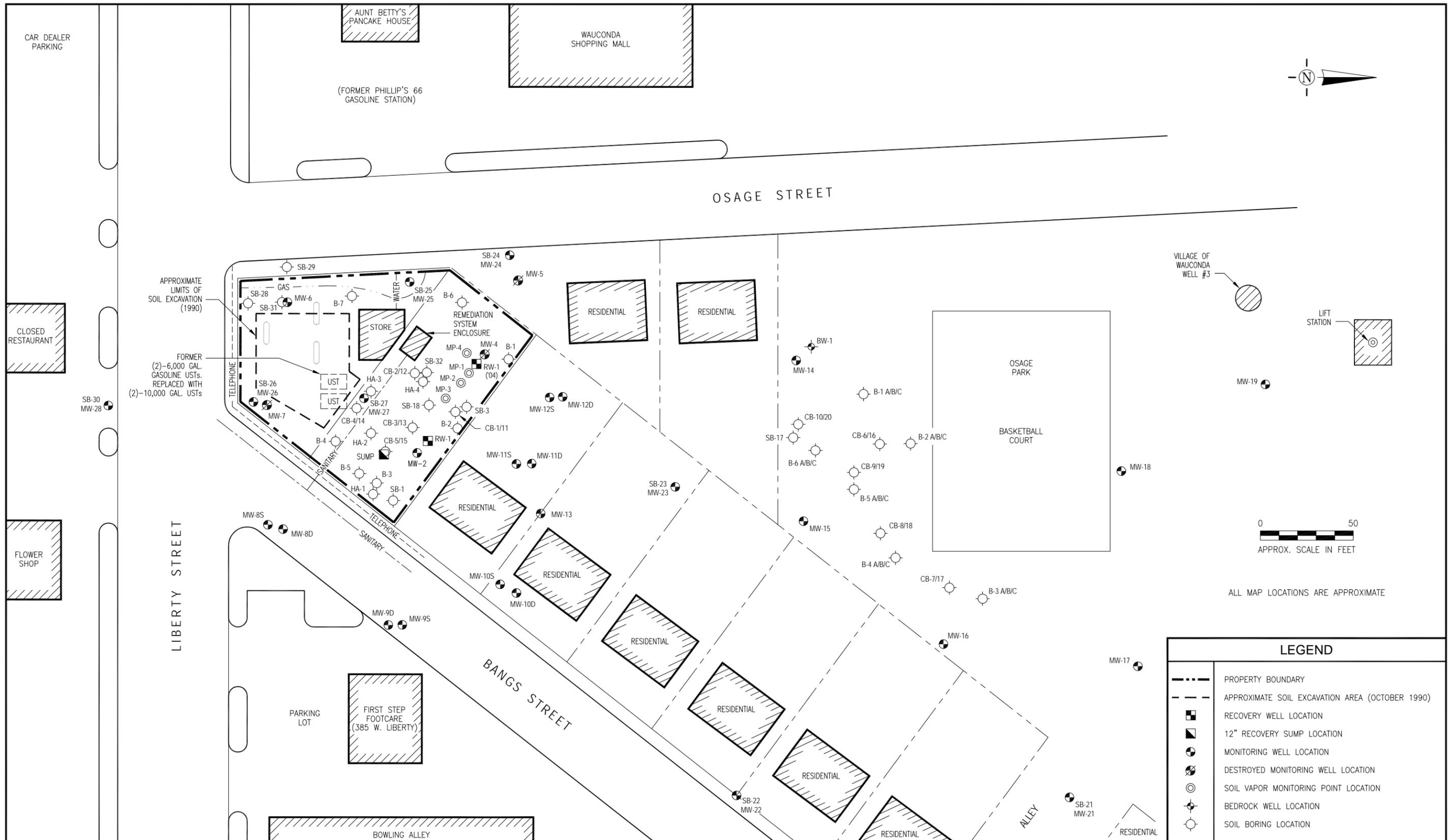
**Where can I get  
additional  
information?**

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.

Jan Ogden  
Freedom of Information Act Coordinator  
Illinois Environmental Protection Agency  
Bureau of Land #24  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9276  
Phone: (217) 782-9878  
Fax: (217) 782-9290

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

## **FIGURES**



ALL MAP LOCATIONS ARE APPROXIMATE

LEGEND	
	PROPERTY BOUNDARY
	APPROXIMATE SOIL EXCAVATION AREA (OCTOBER 1990)
	RECOVERY WELL LOCATION
	12" RECOVERY SUMP LOCATION
	MONITORING WELL LOCATION
	DESTROYED MONITORING WELL LOCATION
	SOIL VAPOR MONITORING POINT LOCATION
	BEDROCK WELL LOCATION
	SOIL BORING LOCATION

**TriCore Environmental, LLC**  
 1800 West Hawthorne Lane, Suite P  
 West Chicago, Illinois 60185  
 (630) 520-9973

**Shivam Energy, Inc.**  
 399 West Liberty Street  
 Wauconda, Illinois 60084

**SITE MAP**  
 FORMER CLARK RETAIL STATION #646  
 399 WEST LIBERTY STREET  
 WAUCONDA, LAKE COUNTY, ILLINOIS

DRAWN BY:	MWS
APPROVED BY:	SAR
SCALE:	1" = 50'
DATE:	1/23/07
DRAWING FILE:	0401SM1B

**FIGURE**  
**1**