

# Swift Chemical Company, Inc. (Farm Site)

## STATE PRIORITY LIST SITE ROGERS, ARKANSAS 72756



ADEQ  
5301 Northshore Drive  
North Little Rock, Arkansas 72118



EPA RCRA ID No: ARR000011122  
EPA CERCLA ID No: N/A  
AFIN: 04-00342  
County: Benton  
Arkansas Senate District: 8  
Arkansas House District: 96  
US Congressional District: 3

### **Current Status**

The groundwater sampling conducted during October 2006 indicated concentrations of Trichloroethene (TCE) at the Swift Chemical Company, Inc. (Swift Chemical) facility exceeded the maximum contaminant level (MCL) for that chemical in drinking water. In an effort to further characterize the groundwater and contaminant conditions within the Mississippian-age Boone Formation, Swift Chemical sampled and installed three (3) additional “deep” RCRA groundwater monitoring wells at the site. The results obtained from this study were submitted to Arkansas Department of Environmental Quality (ADEQ) in the Amended Plan 1 Sampling and Analysis Report. Plan 1 Report was approved and Swift Chemical submitted the Plan 2 to ADEQ based on the requirements of the Consent Administrative Order (CAO) LIS 03-075. The Plan 2 submitted by the facility included three (3) years semi-annual monitoring of groundwater at the site. In August 2012, ADEQ determined that Swift Chemical has met the requirements of the CAO and a no further action letter was awarded to the facility. However, Swift chemical was required to place a deed restriction on the property to prohibit the use of groundwater. The facility was removed from the State Priority List on June 28, 2013.

### **State Priority List History**

Swift Chemical Company, Inc. has been in business since 1975 manufacturing industrial cleaners and solvents. The 2001 South 1<sup>st</sup> Street location is known as the “farm property” and includes three warehouses and fifteen above ground storage tanks. The site is listed in the Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation No. 30.302. It is stated this site has been designated

as eligible for State funded investigation and necessary remedial actions. Investigations regarding this site were initiated based on the provisions of 2003 CAO LIS 03-075.

## Site Description

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**Location:** The site is approximately located 0.1 miles south of the intersection of State Highway 94 and South 1<sup>st</sup> Street in the northwest corner of Section 19, Township 19 North, Range 29 West in an area of mixed commercial, industrial and residential development.

**Population:** About 38,829 residents live in the City of Rogers.

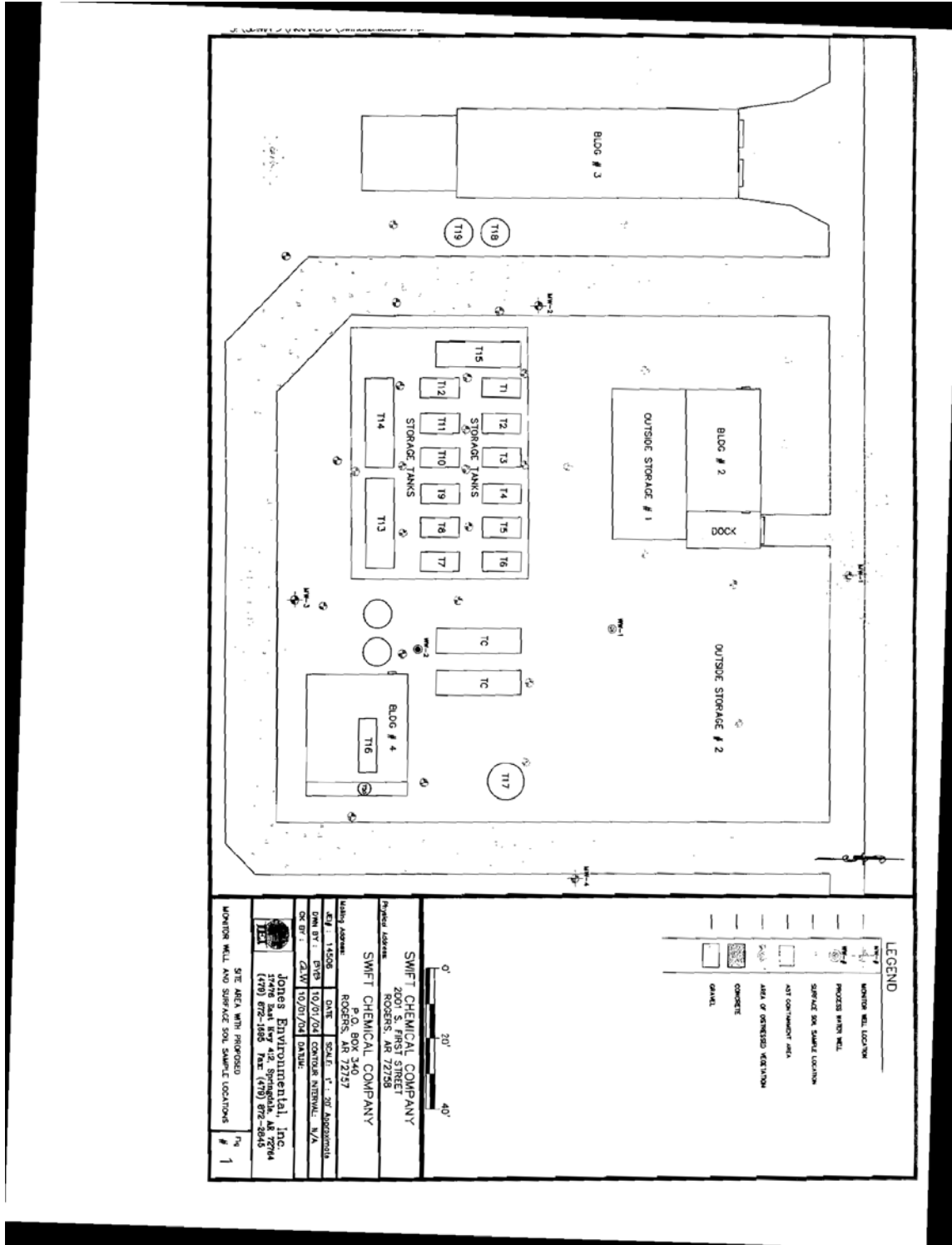
**Setting:** The Swift Chemical Farm Site is situated on approximately 2.75 acres and is located within the southeastern city limits of Rogers, Arkansas and within the southeastern section of Benton County, Arkansas. The facility includes three (3) warehouse buildings and an aboveground storage tank (AST).

**Hydrology:** The primary source of quality groundwater in the region is the siliceous-carbonate strata of the Ordovician Powell and Cotter Formation (Ozark Aquifer). Groundwater flow patterns and local hydraulic properties vary throughout these units due to the non-homogeneity of the aquifers. The topographic gradient and surface drainage of the area and site are toward the north, northeast and northwest, with surface elevations averaging 1,380' NGVD. Annual rainfall totals for the region average 44" per year.

**Aerial Photo:**



Site Diagram:



## **Waste and Volumes**

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No detectable concentrations of any volatile chemicals were found in the soil samples. However, detectable concentrations of certain volatile chemical constituents were present in the groundwater at the site. These components are as follows: Trichloroethene (TCE), 2-Butanone also known as Methyl Ethyl Ketone (MEK), 1, 1 Dichloroethane (DCA) and Acetone. The groundwater at this site was monitored until August 2012.

## **Health Considerations**

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Due to TCE contamination above MCL at the site, ADEQ conducted a Johnson & Ettinger vapor intrusion model in May 2008 to evaluate health considerations utilizing conservative parameters. The results obtained indicated there were no unacceptable risks at the site. The facility has filed a deed restriction for this site and prohibits the use of groundwater. There are no risk to human health and the environment at this site.

## **ADEQ Response Actions**

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The investigation for the remediation of this site was initiated by the terms and provisions of a November 19, 2003 Consent Administrative order (CAO) LIS 03 – 075 entered into by Swift Chemical and ADEQ. The CAO required the facility to submit a Sampling and Analysis Plan designed to determine any hazardous substance present at this site. A total of four (4) monitoring wells were installed in October 2006. The groundwater sampling conducted during October 2006 indicated concentrations of Trichloroethene (TCE) at the Swift Chemical facility exceeded the maximum contaminant level (MCL) for that chemical in drinking water.

ADEQ required the facility to install additional three (3) RCRA deep wells at the site and perform further analysis. Swift Chemical submitted Amended Plan 1 discussing the results obtained. The report was approved on February 13, 2009. Swift Chemical submitted Plan 2 for the remediation of groundwater. Plan 2 initiated a three (3) year semi-annual groundwater monitoring and reporting program. Based on the Plan 2 requirement, Swift submitted Semi-Annual Groundwater Monitoring Reports to ADEQ to provide information pertaining to the groundwater. Ultimately in August 2012, ADEQ determined the task for the monitoring of groundwater has been completed. Swift Chemical was required to file a deed restriction at the site prohibiting the use of groundwater.

## **ADEQ Anticipated Future Activities**

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A no further action letter regarding this site was issued on August 16, 2012. This site was removed from the State Priority List on June 28, 2013.

## **Site Contacts**

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Information Repository:	None Officially Required	