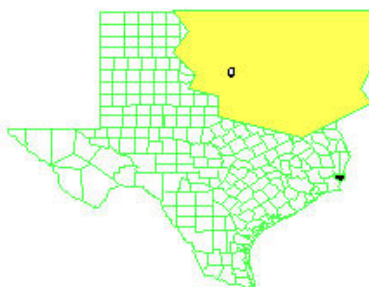


**TRIANGLE  
CHEMICAL CO.  
TEXAS**



**EPA REGION 6  
CONGRESSIONAL DISTRICT 02  
Orange County**

**EPA ID# TXD055143705  
Site ID: 0602026**

**Contact: Ruben Moya  
Updated: November 2008**

**Current Status**

---

**Site will begin annual updates given the final stage(s) of cleanup currently in.**

The exposure threat to residents and nearby Coon Bayou were eliminated by initial actions which secured the site and removed contaminated materials, as well as the completed actions which decontaminated and treated identified contamination areas. Final goals were achieved for the cleanup of the surface contamination. The first Five-Year review report was completed on July 11, 1994 in which the report concluded the remedy was still protective of health and the environment and recommended continuing the ground water monitoring.

The State of Texas is continuing to monitor ground water at the site to ensure that water quality reaches acceptable levels. The Site Close Out Report signed by EPA's Regional Administrator on September 27, 1990, signified the completion of remedial action. The Notice of Deletion of the Triangle Chemical Company from the NPL was signed February 21, 1997. The second Five-Year Review was completed on June 1, 2001, which further established that the Triangle Chemical Company site continues to be protective of human health and the environment. Data reviews obtained from State of Texas (TCEQ's) monitoring lend credence to the presumption, made by the TCEQ and its subcontractor, that the groundwater contamination at the site is not migrating. The third Five Year Review was complete and signed May 15, 2006. EPA has determined by this review that the remedy for the Triangle Chemical Company Superfund Site is protective of the human health and the environment in the short term, and will remain so provided the action items identified in the five-year review are addressed as described within.

**Benefits**

---

53,000 gallons of hazardous liquids, and over 3,000 cubic yards of contaminated sludge waste have been effectively remediated at the Triangle Chemical site, in addition, approximately 1,000 55-gallon drums, 21,000 gallons of tank liquids, and 350 cubic yards of contaminated trash, debris and soil were removed from this site. Further benefits include, the site is currently being monitored by the State of Texas for Remedy effectiveness.

**Site Description**

---

**Location:** The site is located 1/2 mile south of Orange County Airport on Highway 87, Bridge City, Orange County, Texas.  
The site is bounded by Coon Bayou and the highway.

**Population:** The area is moderately populated, with 15 permanent residents and 50 mobile homes within 1/4 mile of the site.

**Setting:** The nearest residence is 200 feet south of the site.  
The facility covers 2.3-acre, with three buildings on-site.  
30 aboveground storage tanks have been removed.

**Hydrology:** A shallow water-bearing zone is found 5-8 feet below surface.  
The drinking water zone is 300-700 feet below surface.

## Wastes and Volumes

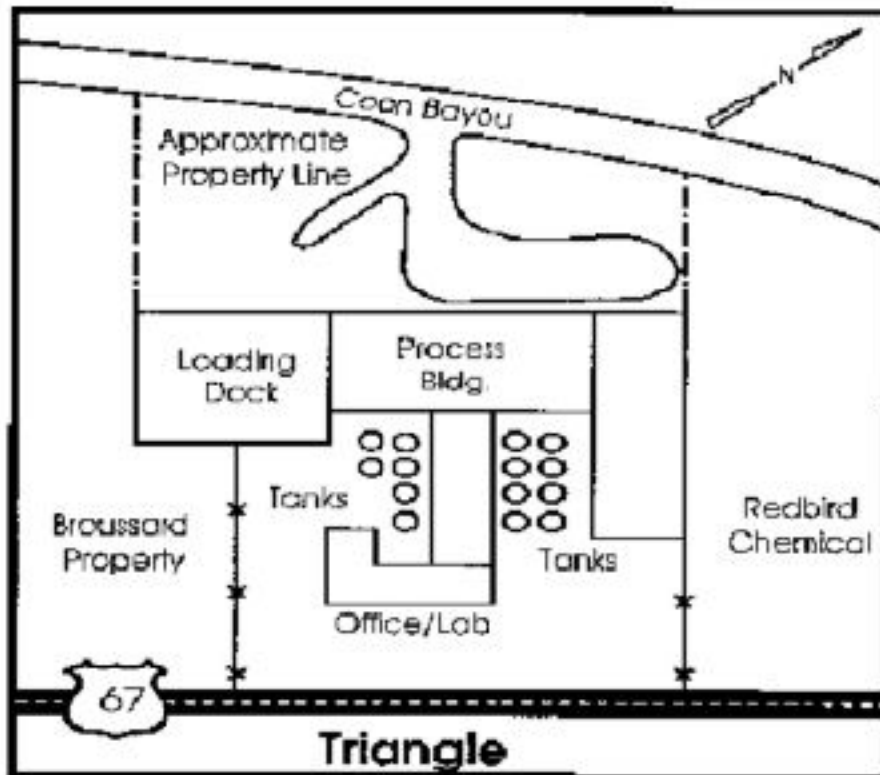
---

! The principal pollutants at the site included ethylbenzene, benzene, chlorobenzene in tanks and soils prior to remediation.

- Site waste volumes were approximately 53,000 gallons of liquid in tanks, and 3,200 cubic yards of and placed in the fortified on-island disposal area.

## Site Map

---



## The Remediation Process

---

Site History:

- The site was abandoned in 1981 and placed in custody of the bankruptcy court.
- During April through August 1982, EPA installed a fence, removed drums, bulked and solidified contaminated soils, then sent soils and equipment to a permitted landfill.
- Approximately 1,000 55-gallon drums, 21,000 gallons of tank liquids, and 350 cubic yards of contaminated trash and soil were removed.
- April 1985, EPA repaired the fence and dug a drainage canal after site was vandalized.
- The Remedial Investigation and Feasibility Study (RI/FS) for the site were completed in 6/85.

Health Considerations:

- The site is located in a moderately populated area.

Other Environmental Risks:

- Surface soil was contaminated with volatile organic compounds (VOCs).

## Site Assessment and Ranking

---

**NPL Listing History**  
**Site HRS Score: 28.75**  
**Proposed Date: 12/30/82**  
**Final Date: 9/08/83**  
**NPL Update: No. 1**

## Record of Decision (ROD)

---

**Signed: June 11, 1985**

The Record of Decision (ROD) for the Triangle Chemical site called for deep-well injection of liquids (53,000 gallons), and mechanical aeration of contaminated soils to release volatile organics to the atmosphere under controlled conditions.

### Other Remedies Considered

1. Off-site landfill of soils
2. On-site landfill
3. Capping site
4. "No action"

### Reason Not Chosen

Cost for double-lined facility too high.  
Cost too high, no available future land use.  
Contaminant leaching into shallow ground water.  
Would not abate threat to health and environment.

## Community Involvement

---

- Community Involvement Plan: Developed 2/84, revised 11/87
- Proposed Plan Fact Sheet and Public Meeting: 5/85
- ROD Fact Sheet: 6/85
- Milestone Fact Sheets: 11/84, 3/85, 12/86, 1/87, 6/90, 8/90, 1/91
- Citizens on site mailing list: 41
- Constituency Interest: Low interest at this time - primarily landowners concerned about fish kills in the past.
- Site Repository: City of Orange Public Library, 220 North Fifth Street, West Orange, TX 77630

## Technical Assistance Grant

---

- Availability Notice: None
- Grant Award: None
- Current Status: Site is closed out

## Site Contacts

---

Remedial Project Manager (EPA):  
State Contact (TCEQ):  
EPA Public Liaison  
Attorney (EPA):  
EPA Toll Free Number

Ruben Moya, 214-665-2755, Mail Code: 6SF-RA  
Mac Vilas (512) 239- 2557  
Donn Walters, (214) 665-6483,  
Unassigned  
1-800-533-3508