

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
320 West 4<sup>th</sup> Street, Suite 200, Los Angeles, California 90013**

**FACT SHEET  
WASTE DISCHARGE REQUIREMENTS  
FOR  
STAUFFER MANAGEMENT COMPANY**

**ORDER NO. R4-2002-0030 (Series No. 018)  
FILE NO. 02-071**

**FACILITY ADDRESS**

2112 East 223<sup>rd</sup> Street  
Carson, CA 90745

**FACILITY MAILING ADDRESS**

1800 Concord Pike  
Wilmington, DE 19850-5437

**PROJECT DESCRIPTION:**

Stauffer Management Company (SMC) began operation at 2112 East 223<sup>rd</sup> Street in Carson, California, in 1959, as American Chemical Company, a joint venture between Stauffer Chemical Company (a subsidiary of SMC) and ARCO. In 1974, Stauffer Chemical Company purchased ARCO's interest in American Chemical Company and Stauffer Chemical Company continued manufacturing operations from 1974 to 1982. Groundwater underneath the site is impacted by 1,2-dichloroethane (1,2-DCA), trichloroethene (TCE), and vinyl chloride (VC).

In April 2002, SMC proposed two pilot tests for the remediation of the groundwater. One is a passive test and the other is a semi-active test. The passive pilot test will involve the injection of emulsified soybean oil through six temporary injection points arranged in a semi-circle on the upgradient side of monitoring well MW-12B (Figures 3 and 4). It will be conducted near the southwest property boundary of the subject site in Unit B water bearing zone (from 86 to 125 feet below ground surface) for one week. The semi-active pilot test will involve extraction of impacted groundwater from monitoring well MW-9A, addition and mixing of lactate and ethanol with extracted groundwater, and re-injection of the mixture back into the subsurface through re-injection well RIW-1 (Figure 3). It will be conducted near the center of the subject site in Unit A water bearing zone (from 25 to 40 feet below ground surface). The planned duration of the semi-active pilot test is 4 to 6 months.

**VOLUME AND DESCRIPTION OF DISCHARGE:**

The passive pilot test will involve the injection of emulsified soybean oil through six temporary injection points at between 5 and 10 gallons per minute (Figure 4).

The semi-active pilot test will involve the injection of lactate and ethanol at approximately 2 to 3 gallons per minute through re-injection well RIW-1 (Figure 3).

The injection points are located approximately at latitude 33° 49' 30" and longitude 118° 14' 45".