

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

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
76 STATION NO. 3645**

**ORDER NO. R4-2002-0030 (Series No. 020)
FILE NO. 914030025**

FACILITY ADDRESS

15410 Ventura Boulevard
Sherman Oaks, CA 91403

FACILITY MAILING ADDRESS

3525 Hyland Avenue
Costa Mesa, CA 92626

PROJECT DESCRIPTION:

On January 1, 2003, Tosco Corporation merged with ConocoPhillips Company and ConocoPhillips Company became the owner and operator of the 76 Station No. 3645 at 15410 Ventura Boulevard, Sherman Oaks, California (Figure 1). In September 1986, dissolved-phase benzene, toluene, ethylbenzene and total xylenes (BTEX) were detected in groundwater underneath the subject site. In May 2002, the responsible party proposed to cleanup the soil and groundwater by periodically inject hydrogen peroxide into selected monitoring wells, concurrent with dual-phase extraction, to enhance the remediation of dissolved-phase hydrocarbons.

Diluted hydrogen peroxide solution will be periodically injected into selected monitoring wells to supplement the dual-phase extraction cleanup system. Hydrogen peroxide solution will be initially added to monitoring wells MW-4, MW-5, and MW-11 (Figure 2). Groundwater will be pumped from monitoring well BC-3 causing the peroxide solution to migrate through the dissolved-phase plume toward BC-3 (Figure 2). During the peroxide injection, groundwater temperature will be monitored at each injection well and at the extraction well. If necessary, peroxide solution may be pressure injected into the injection wells to maximize dispersion into the soil. Groundwater samples will be collected from monitoring wells BC-3, MW-4, MW-5, and MW-11 at least 48 hours following the initial peroxide injection. Subsequent addition of hydrogen peroxide will be based on the results of the initial injection and will occur at least on a monthly basis.

VOLUME AND DESCRIPTION OF DISCHARGE:

Diluted hydrogen peroxide solution at 7% by volume or 70,000 mg/L will be initially added to monitoring wells MW-4, MW-5, and MW-11, in five-gallon increments over a 30-minute period. During the peroxide injection, groundwater temperature will be monitored at each injection well and at the extraction well. Subsequent addition of hydrogen peroxide will occur at least on a monthly basis.

Groundwater samples will be collected from monitoring wells BC-3, MW-4, MW-5, and MW-11 at least 48 hours following the initial peroxide injection located at latitude 34° 09' 15" and longitude 118° 28' 09".