

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION**

**STAFF REPORT FOR REGULAR MEETING FEBRUARY 6, 2004**

Revised on January 8, 2004

**ITEM NUMBER: 15**

**SUBJECT: Corrective Action Plan Approval**

**DISCUSSION:**

Templeton Products, 701 Las Tablas Road, Templeton, San Luis Obispo County [Corey Walsh 805/542-4781]

Templeton Products owns the property and operates the Chevron branded service station located near the intersection of Las Tablas Road and Highway 101 in Templeton. A retail gasoline service station has been operated at the subject property since approximately 1970. The station currently has one 12,000-gallon gasoline and one 12,000 gallon split gasoline and diesel underground storage tanks (USTs) located on the northeastern portion of the site.

Vapor extraction wells were first drilled at the site in 1995, and subsequently a soil and groundwater remediation system was installed. The current remediation system includes nine soil vapor extraction (SVE) and six air-sparge (AS) wells located on site. The SVE/AS system has operated almost continuously since 1997, although the system is currently shut down.

In addition, to the SVE/AS system other remedial actions have been taken throughout the site history including: soil excavation, and most recently the use of a mobile high vacuum dual phase extraction (HVDPE) unit to evaluate expansion of remediation activities. The HVDPE system used on-site and off-site monitoring wells MW-2, MW-5, MW-6, MW-10 and MW-12 to remediate the soil and groundwater.

SECOR International, Inc.'s (SECOR), August 12, 2003, *Groundwater Monitoring and Remediation Status Report* for the site indicate maximum concentrations of groundwater collected during the June 2003 monitoring event detected 57,000

micrograms per liter ( $\mu\text{g/L}$ ) total petroleum hydrocarbons as gasoline (TPH-gas), 14,000  $\mu\text{g/L}$  benzene, and 27,000  $\mu\text{g/L}$  methyl-tertiary-butyl ether (MTBE).

This Regional Board's water quality objectives in groundwater for TPH, benzene and MTBE are 1,000  $\mu\text{g/L}$ , 1  $\mu\text{g/L}$  and 5  $\mu\text{g/L}$  respectively.

Based on the extent of off-site groundwater contamination the Regional Board staff has requested an expansion of the remediation system. In response, Templeton Products submitted a proposal prepared by E<sub>2</sub>C, Inc. (E<sub>2</sub>C) dated December 1, 2003, entitled *Work Plan for Interim Remedial Action and Migration Control* for cleanup of petroleum hydrocarbon impacted soil and groundwater under and near the subject site.

Based on its evaluation, E<sub>2</sub>C has proposed a scope of work and conceptual approach for remedial action and migration control of groundwater contamination. The plan describes the continued use of the existing on-site soil vapor extraction and air-sparge system, but will modify select vapor extraction wells to incorporate an on-site groundwater extraction and dewatering function. In addition, E<sub>2</sub>C proposes to install approximately four extraction wells within the core of the off-site plume. The captured groundwater would be pumped back to the site where it would be treated and subsequently re-injected. The excess treated groundwater that cannot be disposed of on site may be discharged to the sanitary sewer (under permit with the local sanitary sewer agency). In

addition, the proposed scope of work includes optional tasks, which are described as follows: update the potential receptors and conduits study to include the area within one-mile of the site and further evaluate off-site ozone injection plan upon installation of the groundwater extraction, treatment, and re-injection system.

Regional Board staff agrees with the proposed corrective action and recommendations, and the Responsible Party has been directed to proceed with implementation of the approved plan. Quarterly status reports will be submitted with the regularly scheduled quarterly groundwater monitoring reports.

**ATTACHMENT:**

1. MTBE concentration contours

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