

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

STAFF REPORT FOR REGULAR MEETING OF DECEMBER 1-2, 2005

Prepared on November 2, 2005

ITEM NUMBER: 15

SUBJECT: Approval of Corrective Action Plan

**Gallo Station No. 102, 200 Five Cities Drive,
Pismo Beach, San Luis Obispo County
[Corey Walsh 805/ 542-4781]**

The responsible party's consultant submitted a Corrective Action Plan (CAP), dated September 26, 2005, for cleanup of petroleum hydrocarbon affected soil and groundwater beneath the subject site. The CAP was requested by Water Board staff in order to select an appropriate remedial alternative for site cleanup.

The CAP evaluated several remedial cleanup alternatives including, no action, soil excavation and off-site disposal, groundwater pump and treatment with off-site disposal, and in-situ treatment of soil and groundwater. After evaluating a feasibility study the consultant concluded that in-situ treatment would be the most cost-effective. The CAP describes

installation of a bio-barrier trench system for the placement of microbes to enhance biodegradation of petroleum hydrocarbons in soil and groundwater. In addition, groundwater would be pumped from selected monitoring wells and re-infiltrated up-gradient of the bio-barrier trench to increase the volume of groundwater in contact with the microbes for treatment. Groundwater would be pumped from existing monitoring wells to a holding tank before re-infiltration to the trench.

The CAP was approved in an October 14, 2005 letter. A CAP Implementation Report will be submitted after completion of the fieldwork and remedial progress will be reported with regular groundwater monitoring reports.

W:\UST\Regulated Sites\San Luis Obispo Co\Pismo Beach\200 Five Cities\Final EO report -cap.doc