



Chevron U.S.A. Inc.

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91 JUN 14 11:06

Marketing Department

June 13, 1991

Mr. Ravi Arulananthum
Alameda County Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Re: Chevron S.S. #9-5542
7007 San Ramon Valley Blvd., Dublin, CA 94568

Dear Mr. Arulananthum:

Enclosed is a work plan dated June 12, 1991 which was prepared by Chevron's consultant, Sierra Environmental Services (SES), to describe the proposed schedule of groundwater monitoring through 1992 at the site referenced above.

The previously existing wells MW-1, MW-2, MW-3, and MW-4 were sampled on June 4, while the recently installed wells will be sampled on June 20. You may expect a report of the groundwater monitoring by July 22, 1991.

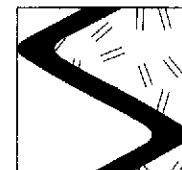
If you have any questions or comments, you may contact me at (415) 842-8658.

Sincerely,

Clint B. Rogers
Environmental Engineer

Enclosure

cc: Richard Hiatt, San Francisco Bay RWQCB, Oakland, CA
Mary Diamond, See's Candy, 3423 S. La Cienega Blvd., Los Angeles, CA 90016-4401
Real Estate Dept., See's Candy, 210 El Camino Real, South San Francisco, CA 94080
Sharon Halper, Sierra Environmental, Martinez, CA (w/o enclosures)



June 12, 1991

Ravi Arulananthum
Alameda County Health Department
80 Swan Way, Suite 120
Oakland, California 94621

Re: Chevron S.S. #9-5542
7007 San Ramon Valley Blvd.
Dublin, California
SES Project #1-214-00

Dear Mr. Arulananthum:

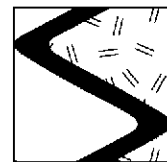
Sierra Environmental Services (SES) submits the following work plan for quarterly ground water sampling at the above-referenced site.

Chevron intends to initiate quarterly ground water sampling of existing and planned monitoring wells associated with the site.

The wells will be sampled on or about the 20th of each sampling month. Water level data will be included in the quarterly report. Pending your approval of this proposal, the following schedule will be used:

Approximate Field Date	Action	Reporting Date
June 4 and June 20, 1991	Water sampling	July 22, 1991
September 20, 1991	Water sampling	October 18, 1991
December 18, 1991	Water Sampling	January 20, 1992
March 20, 1992	Water Sampling	April 20, 1992
June 22, 1992	Water Sampling	July 20, 1992
September 21, 1992	Water Sampling	Oct. 20, 1992
December 21, 1992	Water Sampling	January 20, 1993

The wells will be sampled in accordance with the SES Standard Operating Procedure - Ground Water Sampling (Attachment A). The water samples will be analyzed for gasoline and diesel by EPA Method 8015, for benzene, toluene, ethylbenzene and xylenes by EPA Method 8020 and other volatile organic compounds by EPA Method 8010. All quality assurance/quality control data will be included with the quarterly report.



SIERRA

Ravi Arulananthum
June 12, 1991
SES Project #1-214-00

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Monitoring well purge water will be stored on-site in Department of Transportation 17-H 55-gallon drums pending removal to a Chevron-designated facility. All drums will be sealed and labeled.

A ground water elevation contour map will be prepared and included in the quarterly report. The top-of-casing elevations of all site wells will be surveyed to mean sea level using a USGS benchmark. Product and water level measurements will be collected using an MMC flexi-dip interface probe and reported to the nearest 1/100th of a foot.

Please call if you have any questions regarding the proposed work or schedule.

Sincerely,
Sierra Environmental Services

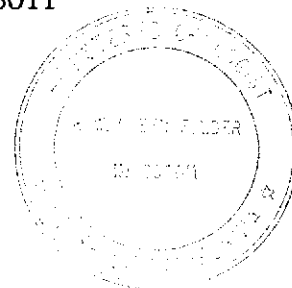
Sharon Halper
Senior Project Geologist

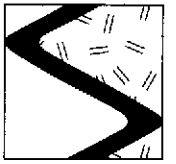
Roger Greensfelder
Registered Geologist #003011

SLH/RWG:ly
21400L1.JN1

Attachment A: Standard Operating Procedure - Ground Water Sampling

cc: Clint Rogers, Chevron USA
Regional Water Quality Control Board - San Francisco Bay Region





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ATTACHMENT A
STANDARD OPERATING PROCEDURE



STANDARD OPERATING PROCEDURE

GROUND WATER SAMPLING

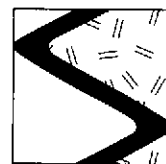
The following describes sampling procedures used by SES field personnel to collect and handle ground water samples. Before samples are collected, careful consideration is given to the type of analysis to be performed so that precautions are taken to prevent loss of volatile components or contamination of the sample, and to preserve the sample for subsequent analysis. Wells will be sampled no less than 24 hours after well development. Collection methods specific to ground water sampling are presented below.

Prior to sampling, each well is checked for the presence of free-phase hydrocarbons using an MMC flexi-dip interface probe. Product thickness (measured to the nearest 0.01 ft) is noted on the sampling form. Water level measurements are also made using either a water level meter or the interface probe. The water level measurements are also noted on the sampling form.

Prior to sampling, each well is purged of a minimum of four well casing volumes of water using a steam-cleaned PVC bailer, or a pre-cleaned pump. Temperature, pH and electrical conductivity are measured at least three times during purging. Purging is continued until these parameters have stabilized (i.e., changes in temperature, pH or conductivity do not exceed $\pm 0.5^{\circ}\text{F}$, 0.1 or 5%, respectively).

The purge water is stored temporarily on-site in 55-gallon Department of Transportation-approved drums pending analytic results. The drums are labeled with the date, contents, the SES field personnel initials and SES phone number.

Ground water samples are collected from the wells with steam-cleaned Teflon bailers. The water samples are decanted into the appropriate container for the analysis to be performed. Pre-preserved sample containers may be used or the analytic laboratory may add preservative to the sample upon arrival. Duplicate samples are collected from each well as a back-up sample and/or to provide quality control. The samples are labeled to include the project number, sample ID, date, preservative, and the field person's initials. The samples are placed in polyethylene bags and in an ice chest (maintained at 4°C with blue ice or ice) for transport under chain-of-custody to the laboratory.



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The chain-of-custody form includes the project number, analysis requested, sample ID, date analysis and the SES field person's name. The form is signed and dated (with the transfer time) by each person who yields or receives the samples beginning with the field personnel and ending with the laboratory personnel.

A trip blank and bailer blank accompanies each sampling set, or 5% trip blanks and 5% bailer blanks are included for sets of greater than 20 samples. The bailer blank is prepared by pouring previously boiled water into a steam-cleaned Teflon bailer prior to sampling a well. The trip and bailer blanks are analyzed for some or all of the same compounds as the ground water samples.

GWTRSAMP.SOP