



# GETTLER-RYAN INC.

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May 9, 1997

Mr. Bob Cochran  
Chevron Products Company  
P.O. Box 6004  
San Ramon, California 94583

Subject: Response to Alameda County Health Care Services Letter (dated February 21, 1997) for RMC Lonestar Facility, 333 23rd Avenue, Oakland, California.

Mr. Cochran:

At the request of Chevron Products Company (Chevron), Gettler-Ryan (GR) is responding to the letter (dated February 21, 1997) issued to Chevron by the Alameda County Health Care Service (ACHCS). The ACHCS's letter was in response to the Fourth Quarter 1996 Groundwater and Sampling Report (dated January 20, 1997) prepared by GR. We are responding to each comment/request point by point as outlined in the ACHCS letter.

1. As requested well MW-4 which is currently inaccessible will be located prior to the next scheduled semi-annual monitoring and sampling event. This well will be included in the June 1997 sampling event.
2. The oxygen releasing compound (ORC) manufactured by REGENESIS was installed in wells MW-1, MW-7, MW-9, and MW-10 by Geraghty & Miller, Inc. (GM) in March 1996. The Site Closure Plan (dated August 30, 1996) prepared by GM proposed semi-annual monitoring and sampling of wells MW-1, MW-4, and MW-11. This plan was approved by ACHCS in a letter dated December 3, 1996 with the condition that well MW-8 be included in the semi-annual monitoring and sampling events. The semi-annual monitoring and sampling of wells MW-1, MW-4, MW-8, and MW-11 was initiated in December 1996.

According to REGENESIS, the timeframe for oxygen release from the filter socks into the aquifer is approximately 6 months. During that timeframe samples collected from a well with ORC may not be representative of hydrocarbon impact in the aquifer. In addition, REGENESIS recommends that wells containing ORC should not be purged for a minimum of six months. Any purging will remove the dissolved oxygen enhanced groundwater from the aquifer. The sample collected from well MW-1 in December 1996 was approximately 9 months after the installation of the ORC. Whether this concentration is indicative of true aquifer conditions may depend on the June 1997 sampling event. This well will be purged during the June 1997 event and analytical results from this event can be compared with the results from the December 1996 sampling event. The comparison will give us a better understanding as to whether the analytical data is representative of aquifer conditions in the area and not in the well only.

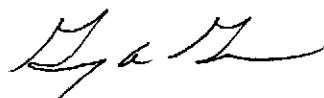
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3. In the Fourth Quarter 1996 Groundwater Monitoring and Sampling Report, GR reported well MW-11 as having a sheen present. This is an error, a sheen was not present and will be corrected in the table issued with the Third Quarter 1997 Groundwater Monitoring and Sampling Report.
4. Upon review of the historical groundwater monitoring and sampling data, the groundwater flow direction has been to the west-southwest with the exception of the December 1996 event. The groundwater flow direction during this event was to the southeast. This most recent flow direction may be a result of only monitoring three wells. The flow direction will be confirmed upon locating and monitoring well MW-4 during the third quarter 1997 event.

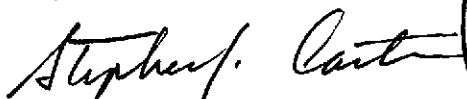
ACHCS requested well MW-9 be included in the semi-annual monitoring program due to the northwesterly flow direction of groundwater and the elevated TPHd concentration in well MW-1. As stated earlier, the December 1996 monitoring event indicated the groundwater flow direction was to the southeast making MW-9 an upgradient well. Historically, well MW-9 has not contained detectable concentrations of TPHg or benzene. Concentrations of TPHd have not been detected above the reporting limits in this well during six of the nine sampling events. When this well did contain concentrations of TPHd, the results were relatively low when compared to the TPHd concentrations in wells MW-1 and MW-8. Well MW-1 has always contained high concentrations of TPHd. Based on this data we recommend sampling and monitoring wells MW-1, MW-4, MW-8, and MW-11 as agreed upon by ACHCS. After performing the third quarter 1997 monitoring and sampling event, the data will be evaluated as to whether additional wells should be monitored or sampled.

If you should have any questions regarding this letter, please call our Sacramento office at (916) 631-1300.

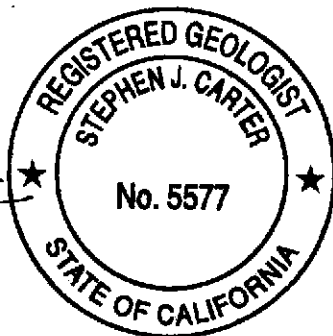
Sincerely  
Gettler-Ryan Inc.



Greg A. Gurss  
Project Manager



Stephen J. Carter  
Senior Geologist, R.G. 5577



Attachment: ACHCS Letter (dated February 21, 1997)

ALAMEDA COUNTY  
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Post-it\* Fax Note

7671

To	Deanna Hawkins	Date	2/26/97	# of pages	1
Co./Dept.	CR	From	Bob Cochran		
Phone #	551-7555	Co.			
Fax #	551-7888	Phone #	842-9655		
		Fax #	510-322-2010		

February 21, 1997  
StID # 3633Mr. Bob Cochran  
Chevron Products Co.  
6001 Bollinger Canyon Rd.  
San Ramon, CA 94583-0804

GREG

ENVIRONMENTAL HEALTH SERVICES  
ENVIRONMENTAL PROTECTION (LOP)  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335Re: Groundwater Investigation at Lonestar Facility, 333 23rd  
Ave., Oakland CA 94606

Dear Mr. Cochran:

Our office has received and reviewed the January 20, 1997 Fourth Quarter Groundwater Monitoring & Sampling Report as prepared by Gettler-Ryan Inc. I have the following comments/requests regarding this site and report:

1. Please locate, repair if necessary and sample groundwater monitoring well MW-4. This is necessary since this well is one of the compliance wells proposed by your consultant, Geraghty & Miller.
2. Oxygen Releasing Compound (ORC) was proposed to be installed in wells MW-1, -7, -9 and -10 and groundwater is sampled from MW-1. Please comment on how sampling results from this well is representative of "true" groundwater conditions, particularly if this well is not purged prior to sampling.
3. The analytical results for MW-11 from the 12/96 sampling event were ND for all constituents, however, a sheen was noted on the water. Please explain how this is possible.
4. Please add MW-9 to your semi-annual monitoring program. Notice the northwesterly gradient of the December 1996 event and the elevated TPHd found in MW-1.

Please submit an additional \$500.00 check payable to Alameda County to replenish the oversight fee balance which is currently depleted. Please note the site's address on the check. You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan  
Hazardous Materials Specialistc: Mr. A. O'Brien, Geraghty & Miller, 1050 Marina Way South,  
Richmond, CA 94804

B. Chan, files 3-333-23rd