



VAC

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July 7, 1997

Hugh Murphy  
City of Hayward, Fire Department  
25151 Clawiter Road  
Hayward, CA 94545-2759

RECEIVED BY  
FIRE PREVENTION OFFICE  
JUL 09 1997  
HAYWARD FIRE DEPARTMENT

Subject: Interim Remediation Work Plan, 21995 Foothill Blvd.  
Response to your letter of June 23, 1997

Dear Mr. Murphy:

Thank you for meeting with us last Wednesday to discuss the proposed remediation work at the above site. As I said then, this letter is intended to document both our understanding of the meeting's outcome and a response to your letter regarding your review of the work plan.

At the meeting we supplied you with a map showing the expected influence of the remediation system, as you requested. As we discussed, even the conservative distances for influence used, show effectiveness beneath the neighbor's property and across Rex Road. Operating characteristics of those wells in Rex Road will be evaluated to determine if other residuals may be present where the old Standard station had been.

My understanding is that you have accepted the interim work plan, with its risk-based interim goals as stated, but a final work plan relying on natural attenuation once risk-based goals are achieved, would require approval from Alameda County. Based on Weiss' soil vapor survey, we believe that there is no current health risk onsite or downgradient. Evaluation of interim remediation operations, and groundwater monitoring, will be utilized to determine details of the final work plan and if system augmentation is necessary. We will speak with Madhulla Logan at Alameda County Health Care Services to determine if this overall approach is acceptable.

Regarding your bullet items:

a) The current quarterly monitoring report suggests that the detectable quantities of hydrocarbons found the previous quarter at MW-17, across the creek, was an anomaly



as now detection limits are not exceeded. Since the groundwater gradient flows toward the creek, it is more likely that contaminants found there would be from another source. In addition, the concrete lined creek acts as an aquitard with a depth of about 20 feet, versus depth to water of around 10 feet, eliminating the chance of impacted groundwater moving across the creek and upgradient.

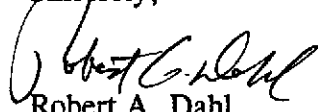
b) Operation of the remediation system will enhance biodegradation in the non-source area by increasing available oxygen at the periphery of the site. It is expected that removal of the source area contamination will begin to reduce downgradient concentrations, and continued groundwater monitoring will verify ongoing reductions through natural attenuation. The final remediation plan, tentatively scheduled in the interim plan as being prepared in February-March 1998, will outline these details.

c) Details of the full remediation plan are dependent upon evaluation of the effectiveness of the interim plan. If the interim plan follows the proposed schedule, and natural attenuation appears to be an acceptable means of eventually achieving non-detect goals, implementation of the final plan would begin at the end of the second quarter of 1998.

d&e) The San Lorenzo Creek is lined with concrete, effectively retarding possible seepage of impacted groundwater. The creek currently appears to be dry, further evidence that no seepage is occurring. There is no control as to what enters the creek upstream: runoff from the streets is directed there, likely eliminating the usefulness of analytical samples. Based on those observations, the lack of access and no realistic technological means of remediating groundwater in the area, there does not appear to be good justification, at this time, for attempting to ascertain impact to the creek.

If you have any questions, or if I have misstated anything from what we covered at the meeting, please call me at (510) 351-8900.

Sincerely,

  
Robert A. Dahl  
Project Manager

cc: Phil Briggs, Chevron  
30-0236.10

