



Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526  
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

July 8, 2008

Mr. Jerry Wickham  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway  
Alameda, CA 94502-6577

SUBJECT: OZONE-SPARGING WELL OS-5 REPLACEMENT  
Albany Hill Mini Mart  
800 San Pablo Avenue  
Albany, California

Dear Mr. Wickham:

Aqua Science Engineers, Inc. (ASE) has been performing monthly operation and maintenance of an ozone-sparging remediation system at the subject site since January 2008. During routine visits to the site for operation and maintenance purposes, ASE has observed an ozone leak detected within the well box of ozone-sparging well OS-5. This leak appears to be emanating from the subsurface and is visible through a small hole within the cement seal within the well box. ASE has determined that this minor leak has attributed to the ozone-sparging remediation system to periodically register an internal ozone leak, thus triggering the ozone generator to shut down. This internal ozone leak has occurred numerous times, and has caused the remediation equipment to operate in an “oxygen only” mode for well OS-5 and several other wells. ASE believes the leaked ozone is being carried back to the remediation equipment through the secondary containment piping that is installed between the well box and the manifold box that is directly adjacent to the remediation equipment. The fresh air intake fan on the side of the remediation equipment is likely “sucking in” the leaked ozone that travels from well OS-5 back to the manifold box. ASE has recently removed OS-5 from the computer program on the remediation equipment, and the system has operated more continuously as designed.

In an effort to provide site-wide coverage of ozone injection, ASE recommends repair of OS-5 immediately to bring it back on line. We believe the leak is emanating either from a cracked well casing or a cracked concrete seal. Either way, the only way to repair the situation is to destroy well OS-5 by drill-out, removing all well plumbing and construction materials, and re-installing the well as previously designed and described in the RAP dated March 9, 2007. A permit for the destruction and re-installation of OS-5 will be applied for and obtained prior to field activities.

On behalf of our client and the responsible party of record, Sikand & Sikand, Inc., we respectfully request written authorization to replace ozone-sparging well OS-5. Your written authorization is required for purposes of reimbursement of costs from the USTCF.



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Should you require any additional information, please feel free to call me at (925) 820-9391.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

A handwritten signature in cursive script that reads "David Allen".



David Allen, R.E.A.  
Vice President

A handwritten signature in cursive script that reads "Robert E. Kitay".



Robert Kitay, P.G., R.E.A.  
Senior Geologist