

## Wickham, Jerry, Env. Health

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**From:** Wickham, Jerry, Env. Health  
**Sent:** Tuesday, January 25, 2011 3:01 PM  
**To:** 'Joe Mangine'  
**Cc:** James Allen  
**Subject:** RE: 160 Holmes St, Livermore, CA

Hi Joe,

I did read your December status report and concurred with stopping interim groundwater extraction. Please proceed with submitting the proposed Work Plan.

Regards,  
Jerry Wickham  
Alameda County Environmental Health  
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Alameda, CA 94502-6577  
phone: 510-567-6791  
[jerry.wickham@acgov.org](mailto:jerry.wickham@acgov.org)

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**From:** Joe Mangine [<mailto:joe@allterraenv.com>]  
**Sent:** Tuesday, January 25, 2011 10:31 AM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** James Allen  
**Subject:** 160 Holmes St, Livermore, CA

Hi Jerry,

In Allterra's Interim Remedial Action Status Report dated December 10, 2010, we recommended discontinuing operation of interim groundwater extraction equipment at the subject site due to a minimal rate of contaminant mass recovery. Based on these site observations, interim extraction activities have not been conducted at the site since November 2010. We also recommended the preparation of a work plan to implement in-situ soil and groundwater remediation in the source area onsite. We have currently completed this work plan utilizing chemical oxidation and enhanced bioremediation products to immediately reduce contaminant mass, stabilize and reduce the size of the contaminant plume, and ultimately attain the proposed cleanup goals (ESLs) for the site. This work plan will likely be submitted to the ACEHS within the next day or two. We just wanted to let you know this document was coming and give you a chance to communicate any questions or concerns regarding our prior recommendations and proposed next steps. Thanks!

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Joe Mangine, PG  
Environmental Division Manager  
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831.425.2608