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Modesto, CA 95351  
209.522.4119  
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April 27, 2012

Project No.: 1262.2  
Project Name: Sullins (L St.)

Jerry Wickham  
Hazardous Materials Specialist  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**RECEIVED**

**4:51 pm, May 02, 2012**

Alameda County  
Environmental Health

RE: Arrow Rentals Service  
187 North L Street  
Livermore, CA 94550

Dear Mr. Wickham:

The purpose of this correspondence is to respectfully inform you that the dual phase extraction (DPE) system was restarted on February 24<sup>th</sup>, 2012 and is currently performing remediation. On February 17<sup>th</sup>, 2012, the change order submitted to the Underground Storage Tank Cleanup Fund (USTCF) was approved and further funding was allocated to the project for further remediation. During the period of shut down from February 1<sup>st</sup> to February 24<sup>th</sup>, 2012, the DPE system was modified to operate in catalytic oxidizer mode, reducing the systems propane use by 61%.

The DPE system has performed remediation for a total of 2,662 hours between the system start-up on November 15<sup>th</sup>, 2011 and April 27<sup>th</sup>, 2012. Since the DPE system was restarted on February 24<sup>th</sup>, 2012, the system has performed remediation for 1,514 hours. Routine sampling of the DPE system has continued since the restart of the DPE system. Numerous drawdown and radius-of-influence tests have been performed.

As outlined in the Final Corrective Action Plan dated August 1<sup>st</sup> 2007, an air sparging system was installed to enhance the remediation of the DPE system. On March 21<sup>st</sup>, 2012, an air compressor was installed on-site and an air sparge stinger was installed into monitoring/remediation well W-A. The air sparging system has been operating since it was started up on March 21<sup>st</sup>, 2012.

The site has been experiencing a historically low groundwater elevation, ranging from 18 to 10 feet below the historical high groundwater elevation, allowing for extensive remediation of the vadose zone throughout the entire operation of the DPE system. PID data from the system's vapor stream have ranged from <1,000 to 6,800 ppm, with laboratory data ranging from 2,380 to 3,360 mg/m<sup>3</sup> of TPH-g. Laboratory data of the groundwater removed during remediation has ranged from 190 to 6,400 µg/L of TPH-g.



# Geological Technics Inc.

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The following is a tentative schedule for the operation of the DPE system through the remainder of the fiscal year:

- |   |  |
|---|--|
| <b>May 16, 2012 –</b>                   | Shut down the DPE and air sparging systems 2 weeks prior to the groundwater monitoring event                             |
| <b>May 29 &amp; 30, 2012 –</b>          | 1 <sup>st</sup> Semi-Annual (2 <sup>nd</sup> Quarter) 2012 groundwater monitoring event                                  |
| <b>May 31, 2012 –</b>                   | GTI to evaluate the remedial effectiveness of the DPE system and restart the remedial systems with an efficient approach |
| <b>By August 1<sup>st</sup>, 2012 –</b> | 1 <sup>st</sup> Semi-Annual 2012 Groundwater Monitoring & Remedial Effectiveness report to be submitted                  |

GTI will inform you by email if there are any changes made to the tentative schedule above. Please contact me at (209) 522-4119 should you have any questions or need more information.

Thank you,



Raynold Kablanow II, Ph.D.

cc. Tony & Rita Sullins

