

## Wickham, Jerry, Env. Health

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**From:** Green, James [JGreen@haleyaldrich.com]  
**Sent:** Thursday, October 24, 2013 2:02 PM  
**To:** Rigter, John  
**Cc:** Schwartz, James; Wickham, Jerry, Env. Health  
**Subject:** RE: Ust Removal - Hanson Site, Adjacent to (or in) Maintenance Shop

John,  
Glad we're on the same page. We'll use metal for the vent pipe.

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**From:** Rigter, John [mailto:jrigter@lpfire.org]  
**Sent:** Thursday, October 24, 2013 1:58 PM  
**To:** Green, James  
**Cc:** jerry.wickham@acgov.org  
**Subject:** RE: Ust Removal - Hanson Site, Adjacent to (or in) Maintenance Shop

Jim,

Yes, I got your email;

- They were replacing my laptop and making system adjustments this AM, sorry for any problems....
- "We are on a page"; please use metal instead of PVC pipe for the vent pipe
- Let's include Jerry Wickham from ALCO in the email/correspondence ()

*John*

925-454-2333 (Office)

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**From:** Green, James [mailto:JGreen@haleyaldrich.com]  
**Sent:** Thursday, October 24, 2013 1:18 PM  
**To:** Rigter, John  
**Subject:** Ust Pull

John,

I've been having some problems with your email address. Here's one more try:

It was good to speak with you yesterday. Here are our modified comments regarding the UST closure/removal procedures:

- What was the tank contents analyzed for?  
*TPH-d, TPH-mo, TPH-O&G and flash point. As we discussed yesterday, we are also analyzing for VOCs by 8260 and SVOCs by 8270. We will forward those results to you as soon as they are available.*
- And what were the results? Please provide copies. We need to know prior to excavating further.  
*We don't have them yet, but will send them over as soon as they are available. We concur that results are needed prior to any further action with the exception of daylighting the top of the UST as we discussed in the field last Wednesday. Available results are attached: VOC and SVOC will be forwarded when available.*

- Where is this tank actually located in relation to the Maintenance Shop, and the exterior concrete drive/pad? Please provide a map indicating such. (The same map will be needed in the UST Closure Plan also).  
*We are working on a map and will provide it with the analytical results. We will send you a map later today.*
- Exposing the tank top, will help determine how the solids (pea gravel?), and related tank cleaning will be accomplished (ports, man-ways, etc.). Yes, the plan can be amended to address this part, just include a note to this affect in the initial submittal...  
*We would like to daylight the top of the UST (and get back the analytical data), then prepare a Closure Plan. I was under the impression this was the recommended order of events from our conversation in the field. Please advise if you think we should prepare a Closure Plan first, then amend it after we daylight the top of the UST. We will include a note in the initial submittal that the plan may be amended to provide more specific details about removal of pea gravel, tank cleaning, etc. after the tank top is exposed.*
- When the tank top is fully exposed (to the sun); consider how it will be shaded in the interim (prior to removal).  
*We are proposing to place fencing around the east, west and south sides of the UST excavation and put material on the fences to shade it. We are concerned that placing a tarp or other cover directly over the excavation itself will actually cause the trapped air above the UST to heat up. Please advise if you concur with our proposal. In addition to shading on the fencing: After exposing the tank (if there is an available port to accomplish this) we would install a piece of 2" PVC into that available port to provide a vent. We would then plug all other open ports and temporarily replace soil on the tank until it is removed.*
- How will you keep the liquid in the tank from expanding further, and pushing its way out of the open fitting? Consider lowering the liquid level, and covering the tank to help abate this. Don't plug the fitting until the tank liquid level is lowered, and the tank is properly vented (required now).  
*Rather than attempt to lower the liquid level, we propose to maintain absorbent material around the hole in the top of the tank and any other fittings revealed by daylighting the top until the UST is removed. Please advise if this approach is acceptable. We will lower the liquid level using a peristaltic pump. A small diameter hose will be inserted into the one available port to accomplish this. The evacuated liquid will be placed in a Hazmat drum and properly labeled pending disposal*
- This UST, and other recent finds at the site are leading me to wonder about other unknown/undiscovered tanks, piping and/or structures below grade. How could this be reasonably addressed?  
*We would like to discuss this issue at the 10/31 meeting. We plan to survey the surrounding area i.e. the entire vicinity of the former maintenance shop with ground penetrating radar.*

We will submit the Closure Plan in the next few days. Please contact me with any additional comments.

**Jim Green**

Senior Project Manager

**HALEY & ALDRICH**

2033 North Main Street, Suite 309

Walnut Creek, CA 94596

Office: 925.949.1016

Cell: 707.373.4913

[jgreen@HaleyAldrich.com](mailto:jgreen@HaleyAldrich.com)

[www.HaleyAldrich.com](http://www.HaleyAldrich.com)

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