

## Wickham, Jerry, Env. Health

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**From:** Matthew Nelson [mnelson@orionenv.com]  
**Sent:** Wednesday, December 15, 2010 12:38 PM  
**To:** Wickham, Jerry, Env. Health  
**Cc:** Baker, Jeff; Mike Purchase  
**Subject:** Tesoro Livermore - Free Product Notification and MIPs Work Plan

Mr. Wickham,

While performing monitoring activities for the oxygen injection system at the Tesoro Livermore site, Arctos discovered roughly 1 foot of free product in injection well IP-8. Well IP-8 is located just to the west of the USTs in the southwest portion of the site, and is screened from 60 to 65 feet. Water levels at the site are at 33 to 35 feet below ground surface, submerging the screen roughly 25 feet. Arctos bailed the product from the well and checked other wells located around the USTs (IP-1, IP-2, IP-9, and MW-11) for product as well. Product was not detected in any other wells in the area. Well IP-8 has been monitored weekly since discovering the free product, and there has not been more than 0.02 foot of product detected in the well since 25 October 2010. Arctos will continue to monitor the well weekly. Arctos prepared and uploaded a free product notification, per Title 23 of the California Code of Regulations, Section 2655, and a work plan for a membrane interface probe (MIP) investigation to determine the extent of the free product at the site and to also determine if further removal activities will be necessary for your approval. The MIP investigation is scheduled for 3 and 4 January 2011. Please let me know if you have any questions. Thank you.

Matthew Nelson, P.E.  
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