

Wickham, Jerry, Env. Health

From: Wickham, Jerry, Env. Health
Sent: Thursday, June 23, 2011 2:10 PM
To: 'Hull, Ian'
Cc: Kambin , Roya [EMC]; Project Email Hold
Subject: RE: RO436 1771 First St. Livermore: Metals Reduction ~COR-060719-2011.3~

Ian,

Discontinuing metals analyses in the wells proposed below is acceptable.

Collecting samples for CSIA from the proposed wells listed below is also acceptable. However, a sample must also be collected for CSIA analysis from well U-10.

Regards,
Jerry Wickham
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From: Hull, Ian [<mailto:ihull@croworld.com>]
Sent: Tuesday, June 21, 2011 11:38 AM
To: Wickham, Jerry, Env. Health
Cc: Kambin , Roya [EMC]; Project Email Hold
Subject: RO436 1771 First St. Livermore: Metals Reduction ~COR-060719-2011.3~

Jerry,

Per your email approval on January 25, 2011 to James Barnard of Antea Group, the previous consultant, we propose reducing metals analysis in select wells for this site. Metals were previously analyzed in all site wells to assess results of the May 2010 Magnesium Sulfate Injection Pilot Test. In some wells metals concentrations have returned to background levels or were never affected by the injection. Therefore, we propose discontinuing all metals analyses for the following wells: U-3, U-5, U-6, U-7, U-12, and U-14.

We also propose altering the CSIA sampling plan proposed by Delta and approved by ACEH in a March 28, 2011 letter. Based on a thorough review of site data, we propose collecting CSIA samples from wells U-3, U-5, U-6, U-9, and U-11. Samples will be analyzed for carbon and hydrogen of MTBE and TBA (unless the sample doesn't contain enough MTBE or TBA to perform the isotope analysis). This sampling plan will allow for a cross-sectional comparison of isotope data through the plume.

The above changes, with your approval, will be implemented during this quarter's sampling event which is planned to occur later this month.

Thank you,

Ian Hull
Conestoga-Rovers & Associates (CRA)

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