From: Rob Rau
To: Yen-Vy Van
Bcc: Rob Rau
Subject: RE: Former Smitty Conoco #140 (EPA ID 4260087) - DRAFT Oct 2012 Quarterly Report
Date: 01/03/2013 08:25 AM

Hi Yen-Vy. The quarterly report looks good. Thank you! During future events it will be interesting to see what the VOCs trends are. One question - on page 3 you note electron acceptors such as nitrate, sulfate and chloride will be monitored for in future events. Not sure about chloride, is that more of a metabolic by product (mostly for chlorinated VOCs) rather than an electron acceptor. For a petroleum site, what useful geochemical information can be gleamed from looking at chloride trends?

Cheers

Rob
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Rob Rau
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R10 Dive Unit: http://www.epa.gov/region10/dive

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▼ Yen-Vy Van ---12/28/2012 04:09:03 PM---Thank you Rob. Have fun bringing in 2013. Happy New Year! From: Rau.Rob@epamail.epa.gov [mailto:Rau

From: Yen-Vy Van <Yvan@aegwa.com>
To: Rob Rau/R10/USEPA/US@EPA
Date: 12/28/2012 04:09 PM
Subject: RE: Former Smitty Conoco #140 (EPA ID 4260087) - DRAFT Oct 2012 Quarterly Report

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Thank you Rob. Have fun bringing in 2013. Happy New Year!

From: Rau.Rob@epamail.epa.gov [mailto:Rau.Rob@epamail.epa.gov]
Sent: Thursday, December 27, 2012 2:33 PM
To: Yen-Vy Van
Subject: Re: Former Smitty Conoco #140 (EPA ID 4260087) - DRAFT Oct 2012 Quarterly Report

Thanks Yen-Vy. I'll have a look and get back you if I have any comments.

Rob
****

Rob Rau
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yv+LAH8AAAAAAAAASW5hY3RpdmUgaGlkZSBkZXRhaWxzIGZvciBZZW4tVnkgVmFuIC0tLTEyLzI2LzIwMTIgMTE6NDQ6MDkgQU0tLS1IaSBSb2IgSSBob3BlIHlvdSBoYWQgYSBuaWNlIENocmlzdG1hcy4gIFBsZWFzZSBmaW5kIGF0dGFjaGVkIA== Yen-Vy Van ---12/26/2012 11:44:09 AM---Hi Rob I hope you had a nice Christmas. Please find attached for your review the DRAFT report for t

From: Yen-Vy Van <Yvan@aegwa.com>
To: Rob Rau/R10/USEPA/US@EPA
Date: 12/26/2012 11:44 AM
Subject: Former Smitty Conoco #140 (EPA ID 4260087) - DRAFT Oct 2012 Quarterly Report

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Hi Rob

I hope you had a nice Christmas. Please find attached for your review the DRAFT report for the October 2012 Quarterly Groundwater Event for the former Smitty Conoco #140 at Toppenish, WA.

I didn't prepare graphs to show trend for the benzene or other VOC as the data is not as clear as the TPH-G in terms of showing steady biodegradation (refer to Figure 2). Additional water quality parameters (nitrate, sulfate, and chloride) will be collected during the January 2013 quarterly event – we'll be comparing those results with the July 2012 results for assessment of overall biodegradation four to nine months after completion of the 2nd Phase IRA – Bioremediation work.

Please let me know if you've any questions. Thank you.

Sincerely,
Yen-Vy

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[attachment "Smitty Conoco Oct 2012 GW Event Report DRAFT 122612.pdf" deleted by Rob Rau/R10/USEPA/US]