Message

From: Davis, Eva [Davis.Eva@epa.gov]
Sent: 1/21/2016 5:58:20 PM
To: d'Almeida, Carolyn K. [dAlmeida.Carolyn@epa.gov]; Dan Pope [DPope@css-dynamac.com]
CC: Wayne Miller [Miller.Wayne@azdeq.gov]; steve [steve@uxopro.com]
Subject: RE: for ST-12 discussion today

See slide 38 for which wells they propose to continue operating for steam injection, doesn't say anything about extraction wells but I would expect them to continue in operation -

From: d'Almeida, Carolyn K.
Sent: Thursday, January 21, 2016 11:57 AM
To: Davis, Eva <Davis.Eva@epa.gov>; Dan Pope <DPope@css-dynamac.com>
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>; steve <steve@uxopro.com>
Subject: RE: for ST-12 discussion today

Shutting down perimeter extraction wells? Not sure that's a good idea while steam injection continues

From: Davis, Eva
Sent: Thursday, January 21, 2016 9:45 AM
To: d'Almeida, Carolyn K. <dAlmeida.Carolyn@epa.gov>; Dan Pope <DPope@css-dynamac.com>
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>; steve <steve@uxopro.com>
Subject: RE: for ST-12 discussion today

Slide 37 from the deck states that shutting down the perimeter wells in the LSZ is already part of their plan going forward, but they plan on continuing to inject in the interior LSZ wells to facilitate heating in the UWBZ. That's fine, except that UWBZ extraction wells outside of what is supposed to be the UWBZ TTZ, are still extracting LNAPL, and it is likely that the heat coming up from the LSZ is helping to migrate that LNAPL to extraction wells, since there are no perimeter injection wells in the UWBZ. But I agree that the LSZ TTZ is looking like it has been treated well -

From: d'Almeida, Carolyn K.
Sent: Thursday, January 21, 2016 11:18 AM
To: Davis, Eva <Davis.Eva@epa.gov>; Dan Pope <DPope@css-dynamac.com>
Cc: Wayne Miller <Miller.Wayne@azdeq.gov>; steve <steve@uxopro.com>
Subject: for ST-12 discussion today

I'm going through Amecs responses to our comments regarding steam shut down; I'm glad to hear they plan to continue steam injection through February. A thought we might consider for negotiating longer steam injection: Given that the LSZ is cleaning up and looking pretty good, perhaps we could shut down injection to the LSZ sooner in exchange for more time on the UWBZ and CZ? What do you think?

Carolyn d'Almeida
Remedial Project Manager
Federal Facilites Branch (SFD 8-1)
US EPA Region 9
(415) 972-3150

"Because a waste is a terrible thing to mind..."