Message

From: Albright, David [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=8C24CAABEA47449C95C94ACB6AC1C49E-DALBRIGH]
Sent: 2/10/2017 11:35:17 PM
To: Dermer, Michele [Dermer.Michele@epa.gov]; Ho, Yenhung [Ho.Yenhung@epa.gov]
CC: Engelman, Alexa [ENGELMAN.ALEXA@EPA.GOV]
Subject: RE: Letter - U.S. EPA - Conclusion of Updates Regarding Water Boards Review of UIC Wells

Sounds good, thanks.

From: Dermer, Michele
Sent: Friday, February 10, 2017 3:25 PM
To: Albright, David <Albright.David@epa.gov>; Ho, Yenhung <Ho.Yenhung@epa.gov>
Cc: Engelman, Alexa <ENGELMAN.ALEXA@EPA.GOV>
Subject: FW: Letter - U.S. EPA - Conclusion of Updates Regarding Water Boards Review of UIC Wells

Hi Team,

I finally had the time to take a look at this note from John B. in reply to the miscellaneous questions we had regarding their drinking water evaluation submittal. At this point, most of our questions were answered and what will be important is to understand the path forward for a particular formation within a field. I would expect this to be covered during our meeting on Monday. As we go through whatever material we are going thru at the meeting, each of these wells/fields should be included in our discussions, and I will try to mention this for each case we go thru on Monday.

Just to give you an idea, Q. 5 was about a well in the Holser field. John's email said that DOGGR needed to determine if the well (which is in the category – "Potentially Impacting Nearby Water Supply Wells") is in the area that is covered under a proposed AE. Something like that we would still like an answer to.

Besides going over the unanswered questions on the fields and formations that are on the AE table for concurrence either before or after feb 15, there is one well in the Water Board table in the Monument Junction field listed as "potentially impacting…" but that field is not listed anywhere on the DOGGR AE table. So what's the story with that well?

In conclusion, we ought to go thru the Water Board responses to our questions while we are going thru the AE package table.

Thanks, Michele

From: Borkovich, John@Waterboards [mailto:John.Borkovich@waterboards.ca.gov]
Sent: Wednesday, January 25, 2017 4:14 PM
To: Dermer, Michele <Dermer.Michele@epa.gov>
Cc: Gillman, Eric@Waterboards <Eric.Gillman@Waterboards.ca.gov>; Morita, Eric@Waterboards <Eric.Morita@waterboards.ca.gov>; Albright, David <Albright.David@epa.gov>; Engelman, Alexa <ENGELMAN.ALEXA@EPA.GOV>; Schlegel, Brandon@Waterboards <Brandon.Schlegel@Waterboards.ca.gov>
Subject: FW: Letter - U.S. EPA - Conclusion of Updates Regarding Water Boards Review of UIC Wells

Hi Michele

Our answers to your follow-up questions are included in the text below. Hope this helps.

John

Q1. **7 wells (CRC) in some combination of the Tejon, Mt Poso, and Kern Front fields- which field(s) are they are in; what is status of these wells, and status of SB concurrence on relevant AE packages and whether that does/does not cover these wells.**

A1. No depth information was available for the water supply wells identified within one-mile of the subject UIC wells. The 7 wells shown as "missing information" refer to Kern Front UIC wells completed in the Santa Margarita Formation (one of the 11 historically treated as exempt). After further review and based on depth information included in CRC's August 2015 technical report, these 7 wells should be considered as "not impacting water supply wells." The deepest water supply well identified within a mile of the UIC wells is 1,600 feet below ground surface (bgs), which is greater than 500 vertical feet from the shallowest UIC well.

Q2. **1 well (Naftex) in the Edison field – which of the two Edison fields is this in, since Edison NE field AE package will not have SB concurred by mid Feb '17**

A2. The Naftex well (API No. 02906388) is located in the Racetrack Area of the Edison Field (not the Northeast Edison Field). We have not received the proposal for exemption, therefore it is unlikely concurrence will take place before February 15.

Q3. **1 well (Griffin) in McKittrick - needs resolution for SB concurrence- status?**

A3. In a 16 November 2015 letter to the Central Valley RWQCB, Griffin Resources LLC argued that the Information Order was issued in error. Griffin Resources LLC states that fluid injected into well API No. 02960351 is confined to an approved zone (the Tulare) and not impacting water suitable for drinking water. DOGGR will need to confirm. A preliminary concurrence in whole or in part letter is currently under review.

Q4. **1 well (Freedom oil) in Rosedale Ranch - as noted, needs shut in – please confirm status**

A4. No water supply well information was included in Freedom Oil's most recent response (their July 2016 work plan); therefore, it is unknown if any water supply wells are potentially impacted by injection activities. DOGGR will need to confirm. We have not received an AE proposal for Rosedale Ranch.

Q5. **1 well (Mirada) in the Holser - status of shut in**

A5. Mirada Petroleum argues that the 2 UIC wells associated with the Information Order are completed in exempt aquifers (within the shaded area). One of the UIC wells appears to be exempt; the other well (API 11120808) is directionally drilled and appears to be completed outside the shaded area. DOGGR will need to confirm. The AE is currently under review and the well (API 11120808) is located within the proposed area.

Q6. **8 wells (Aera) in San Ardo - should already be resolved if SB is concurring, please confirm**

A6. Correct.

Q7. **3 wells (Eagle) in Lynch Canyon - needs resolution for SB concurrence, please confirm**

A7. 2 of the 3 wells (API Nos. 05320795 and 05322018) are completed in the Santa Margarita; the other (API No. 05322162) is completed in the Lanigan Sands. The AE package is currently under review and it is expected to receive concurrence whole or in part. We are waiting on additional data from the operator (Santa Margarita water quality data).

Q8. **2 wells (CRC) in Midway-Sunset - needs resolution for SB concurrence, please confirm**

A8. The AE package is currently under review and it is expected to receive concurrence whole or in part. DOGGR will need to confirm if these wells are within the proposed exempted areas.

Q9. **5 wells (Homes Western) in Midway-Sunset - needs resolution for SB concurrence, please confirm**

A9. The AE package is currently under review and it is expected to receive concurrence whole or in part. DOGGR will need to confirm if these wells are within the proposed exempted areas.

Q10. **1 well (Vaquero) in Cat Canyon - needs resolution for SB concurrence, please confirm**

A10. This well (API No. 08322600) is completed in the Sisquoc Formation. The AE for the Sisquoc is currently under review. This well (API No. 08322600) is located within the proposed AE area. It is anticipated that the SWB will concur in whole or in part.

Q11. **1 well (Mirada) in Ojai - as noted, needs shut in- status?**

A11. The Information Order was issued to Mirada in September 2016. In a letter dated 20 October 2016, Mirada states that the well was abandoned in April 2014. Therefore, this well should have been characterized as "not impacting WSWs".

Q12. **1 well (Valley Water Mgmt) in Monument Junction -as noted, needs shut in- status?**

A12. We have not received an AE package for the Monument Junction Field.

From: Dermer, Michele [mailto:Dermer.Michele@epa.gov]
Sent: Tuesday, January 10, 2017 5:09 PM
To: Borkovich, John@Waterboards
Cc: Albright, David; Ho, Yenhung; Engelman, Alexa
Subject: FW: Letter - U.S. EPA - Conclusion of Updates Regarding Water Boards Review of UIC Wells

Hi John,

Thanks for your time this afternoon and for offering to have Brandon follow up. Below are the wells noted in your letter on which we would appreciate some clarification.

1. 7 wells (CRC) in some combination of the Tejon, Mt Poso, and Kern Front fields- which field(s) are they are in; what is status of these wells, and status of SB concurrence on relevant AE packages and whether that does/does not cover these wells.
2. 1 well (Naftex) in the Edison field – which of the two Edison fields is this in, since Edison NE field AE package will not have SB concurred by mid Feb '17
3. 1 well (Griffin) in McKittrick - needs resolution for SB concurrence- status?
4. 1 well (Freedom oil) in Rosedale Ranch - as noted, needs shut in – please confirm status
5. 1 well (Mirada) in the Holser - status of shut in
6. 8 wells (Aera) in San Ardo - should already be resolved if SB is concurring, please confirm
7. 3 wells (Eagle) in Lynch Canyon - needs resolution for SB concurrence, please confirm
8. 2 wells (CRC) in Midway-Sunset - needs resolution for SB concurrence, please confirm
9. 5 wells (Homes Western) in Midway-Sunset - needs resolution for SB concurrence, please confirm
10. 1 well (Vaquero) in Cat Canyon - needs resolution for SB concurrence, please confirm
11. 1 well (Mirada) in Ojai - as noted, needs shut in- status?
12. 1 well (Valley Water Mgmt) in Monument Junction -as noted, needs shut in- status?

Thanks,
Michele

Michele Dermer
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From: Montgomery, Michael
Sent: Tuesday, January 03, 2017 9:49 AM
To: Albright, David <Albright.David@epa.gov>; Dermer, Michele <Dermer.Michele@epa.gov>; Engelman, Alexa <ENGELMAN.ALEXA@EPA.GOV>; Ho, Yenhung <Ho.Yenhung@epa.gov>
Subject: FW: Letter - U.S. EPA - Conclusion of Updates Regarding Water Boards Review of UIC Wells

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From: Rockwell, Erling@Waterboards [mailto:Erling.Rockwell@Waterboards.ca.gov]
Sent: Friday, December 30, 2016 11:45 AM
To: Montgomery, Michael <Montgomery.Michael@epa.gov>
Cc: Creedon, Pamela@Waterboards <Pamela.Creedon@waterboards.ca.gov>; Unger, Samuel@Waterboards <Samuel.Unger@waterboards.ca.gov>; Robertson, John@Waterboards <John.Robertson@waterboards.ca.gov>; Harris, Ken@DOC <Ken.Harris@conservation.ca.gov>
Subject: Letter - U.S. EPA - Conclusion of Updates Regarding Water Boards Review of UIC Wells

Please see the attached PDF.

Thank you,

Erling Rockwell
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