Midway Sunset II (Tulare) Conduit Analysis

Problem well Identification Goals	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Meeting with Operators											
MWSS - Idle and Plugged wells review. Data submission to CalGEM											
MWSS - CalGEM Review											
MWSS - WaterBoard Review											

Conduit Analysis Status: **On Track**

Current Activities:

January 4, 2022: CalGEM received first batch of 31 wells from operators.

January 28, 2022: CalGEM shares preliminary data with WB.

February 2, 2022: CalGEM met with WB to discuss the beneficial use water identification and it was determined that all formation above the Amnicola Clay to be identified as beneficial water.

February 9, 2022: CalGEM review of 31 wells conduit analysis completed and feedback provided to Operators regarding the identification of the depth of beneficial water and documentation supporting idle well management plan and testing plan.

February 15, 2022: Operator responded to request of the beneficial water depth.

February 16, 2022: CalGEM received second batch of remaining 85 wells.

Anticipated Next Steps :

- CalGEM to review the remaining 85 wells for conduit analysis by March 31, 2022.
- CalGEM to submit 116 wells to WB for review by beginning of April 2022.

Kern River Conduit Analysis

Problem well Identification Goals	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Meeting with Operators											
Kern River - Idle and Plugged wells review. Data submission to CalGEM											
Kern River - CalGEM Review											
Kern River - Water Board Review											

Conduit Analysis Status: **On Track**

Current Activities:

November 23, 2021: WB defined the approximate extent of the beneficial use aquifers overlying the proposed aquifer exemption area at Kern River. This estimate is based on information shown on the cross-sections provided by Chevron as part of the aquifer exemption proposal.

January 27, 2022: Operator submitted draft copy of the 81 well conduit analysis for CalGEM input.

February 2, 2022: CalGEM met with WB to discuss the beneficial use water identification and it was determined that all formation above the C slit to be identified as beneficial use water. Provided the feedback to the operator.

February 10, 2022 : Received final copy of data for the 81 wells from Operator. Shared preliminary data with WB.

February 16, 2022 : CalGEM completed review of 21 wells. Chevron is using "Base of Overlying USDW" to note the bottom of the aquifer above the AE interval. Nomenclature shared with WB and will review and respond.

Anticipated Next Steps **:**

- CalGEM to complete review of remaining 60 wells by March 31, 2022.
- CalGEM to submit data to WB by beginning of April 2022.

Mt Poso Dorsey Conduit Analysis

California Department of Conservation

Problem well Identification Goals	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Meeting with Operators											
Mount Poso - Idle and Plugged wells review. Data submission to CalGEM											
Mount Poso - CalGEM Review											
Mount Poso - WaterBoard Review											

Conduit Analysis Status: **Complete- CalGEM and WB concur on results. 5 of 6 wells identified as problematic. 1 well meets standards.**

Current Activities:

December 20 2021: CalGEM received comments from WB on Mt Poso Dorsey application. Feedback shared with Operators.

January 20, 2022: Operators have approached CalGEM with a series of modifications would like to make to the Mount Poso Dorsey Aquifer Exemption application. The map from Operator showing a modified proposal area which has been reduced from ~ 260 acres to ~ 144 acres. Additionally, Operators committed to providing a written plan for future waterflood development which they suggest will enhance oil recovery in this part of the field. Operator has been in communication with Kern Groundwater Authority and its impacts to the sustainability of the Kern Subbasin under SGMA.

February 1, 2022: Discussion with WB on the revised areas proposed by Operator.

February 7, 2022: Provided feedback to Operator on requirements for project conversion from Water disposal to Water Flood, data supporting fault confinement and fluid containment within the Upper Vedder formation.

Anticipated Next Steps :

- CalGEM and WB are discussing next steps for remediation/monitoring for 5 identified wells from conduit analysis.
- Operator to submit revised application on 18th Feb 2022. CalGEM to review and forward to WB.
- Due to the operators' desire to modify the application at this stage, the application review and WB preliminary concurrence will likely take additional time. As a result, the state is evaluating possible alternative solutions including looking at the UIC application and potentially adjusting the injection volume or moving the wells to eliminate injection into the non-exempt aquifer.

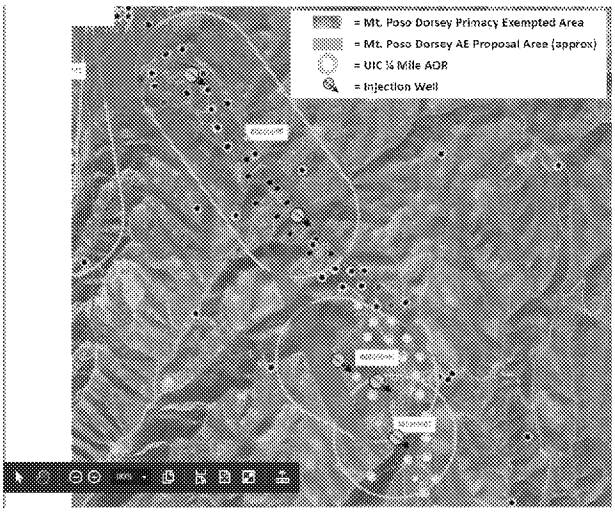
Revised Mt Paso AE area

Modified proposal area which has been reduced from ~ 260 acres to ~ 144 acres.

AOR of the injection wells falls outside the current AE boundary.

The proposal is to convert from WD to WF.

No change to Conduit analysis.



Aquifer Exemption Proposal Status

Lynch Canyon

AE Application	EPA reviews technical information and supporting data. EPA makes a ruling in the aquifer exemption status
Lynch Canyon - Lanigan	Dec-21

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Complete set of responses and draft "Uduak"

Aquifer Exemption Proposal Status

Sespe

AE Application	CalGEM send AE application package to EPA	EPA reviews technical information and supporting data. EPA makes a ruling in the aquifer exemption status
Sespe		Apr-22

Aquifer Exemption Proposal Status

Lompoc

AE Application	EPA preliminary review	Public review and comment on the Aquifer exemption proposal
Lompoc	Dec-21	Feb-22

March. Public hearing scheduled for April 12 (5:30 –

Aquifer Exemption Proposal Status

Holser

AE Application	Public review and comment on the Aquifer exemption proposal	State agencies review and address comments and concerns illuminated through public scrutiny
Holser	Feb-22	Aug-22

end of February. Public hearing set for March 29 (5:30 --

Oxnard Conduit Analysis

California Department of Conservation

Problem well Identification Goals	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Meeting with Operators											
Oxnard - Operator's Idle and Plugged wells review. Data submission to CalGEM											
Oxnard - CalGEM Review											
Oxnard - WaterBoard Review											

Conduit Analysis Status: **Behind Schedule 2 months**

Current Activities:

December 1, 2022: CalGEM met with operators to discuss the Conduit Analysis

January 2022: Northern District dedicates a Sacramento office AOGE to review the Conduit Analysis.

February 2022: Northern District AOGE is looking at the wells not associated with active operator.

Anticipated Next Steps :

- New operator to Oxnard field to provide well data by end of March. They are currently abandoning all wells in the field.
- Northern District to create the data for a random 10% selection of the wells not associated with the current operator.
- After discussion with the operator, CalGEM will adjust the schedule two months forward.

Cat Canyon Conduit Analysis

California Department of Conservation

Problem well Identification Goals	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
Meeting with Operators											
Cat Canyon - Idle and Plugged wells review. Data submission to CalGEM											
Cat Canyon - CalGEM Review											
Cat Canyon - WaterBoard Review											

Conduit Analysis Status: **On Track**

Current Activities:

January 2022: CalGEM began to receive operator created data.

January 2022: Northern District dedicated two Orcutt office AOGEs to review the Conduit Analysis data. The "deep dive" data analysis has begun.

February 11, 2022: Over 50% of the operator supplied data has been submitted. Only Cat Canyon Resources has data left to supply.

Anticipated Next Steps :

- Northern District staff will continue to perform the deep dive data analysis and work with operators to correct any errors.
- In addition to the data review of the operator supplied data, Northern District staff will be developing the data for a random 10% selection of the wells not associated with the current operator.
- As the data is reviewed and verified, Northern District will share the information with SWB in batches as opposed to waiting to submit one entire package.