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
MWSS - Idle and Plugged wells review. Data submission to CalGEM									
MWSS - CalGEM Review									
MWSS - WaterBoard Review									

Conduit Analysis Status: **On Track**

Current Activities:

April 7th, 2022: Met with Operators and discussed problematic wells that can act as conduits. Awaiting on Operators to provide the final stamped document. Below is the summary of review.

April 29th, 2022:Received stamped document along with conduit analysis documents from Operator. Following data submitted to WB review.

Well Type	Meets Standard	Does not meet Standard, Wells within AOR	Does not meet Standard, wells outside AOR	Sum
Idle	22	0	7	29
P&A	11	6	80	97
Sum	27	6	87	126

May 11th, 2022. Received WB review and feedback. Three (3) additional P&A wells were identified as potential conduits. Eleven (11) idle wells identified as not meeting standard (Pressure tests, Fluid level Etc). Under review at CalGEM.

Anticipated Next Steps:

- Meeting with WB on 18th May 2022 to discuss finding.
- Create a Work plan to address problematic wells and submit to WB for review.

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 - WaterBoard Review											

Conduit Analysis Status: **On Track**

Current Activities:

March 15th, 2022: CalGEM review staff will meet and discuss on 15th March. So far 12 wells are identified for further review. Within the 12 wells , 2 wells (idle) are leased by CRC and 11 wells are owned by Chevron.

April 13th, 2022: Meeting with WB scheduled for the week of 18th April 2022.

Well Type	Meets Standard	Does not meet standard. Wells within AOR	Does not meet standard. wells outside AOR	Sum
Idle	11	3	0	14
PEA	55	9	0	64
Sum	66	12	0	78

April 28th, 2022 . WB identified 4 idle wells could act as conduits to overlying beneficial use aquifers and must be mitigated. Additionally, Water Boards are requesting 8 wells submit current mechanical integrity pressure tests for review. Also identified 12 plugged an abandoned wells that could act as conduits to overlying beneficial use aquifers and must be mitigated.

May 5th, 2022: CRC confirmed two idle wells SEC 13 WD-1 and SEC 13 WD-2 are scheduled to be abandoned in 2024. Chevon to provide work plan for the remaining wells.

Anticipated Next Steps :

Create a Work plan to address problematic wells and submit to WB for review.

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:

containment within the Upper Vedder formation.

Feb 22 ,2022: Received the revised application. Completed initial review and shared with WB on 28th Feb 2022.

March 7th, 2022: Verbally conveyed to the Operator regarding issues with AOR radius of the well Mon 760 (029-73394) being outside the AE boundary and need to cease injection.

April 4th ,2022: Met with Cimarron Oil LLC agent .Communicated our concern of AOR review and migration of injection water outside the approved AE.

April 12th ,2022: Sent operator a letter for signature to voluntary cease injection on to MON 760. Operator expressed unwillingness to sign quoting pending litigation.

April 15th, 2022: Review various options such as current injection and radius of influence.

Anticipated Next Steps:

- Internal meeting with CalGEM operation group, and HQ in implementing measures so that AOR does not expand the current AE boundary.

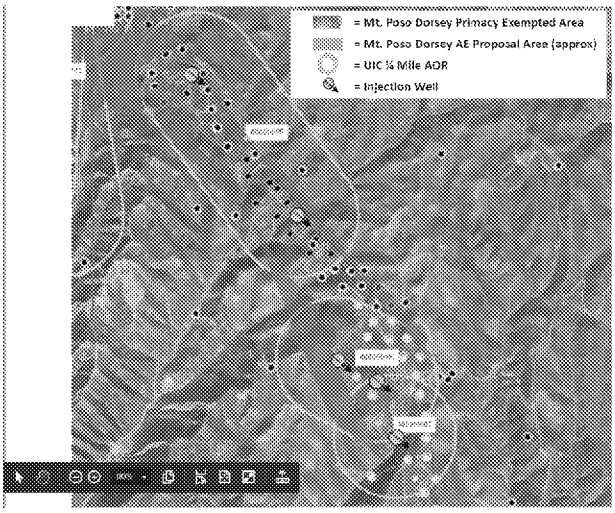
Revised Mt Paso AE area

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

Status: *Complied requested data.*

- Behind Schedule by 4 months

Current Activities:

May 13, 2022: *Additional requested information loaded to Box.com and will be transmitted to SWB May 13.*

Anticipated Next Steps:

With SWB concurrence of documents, Northern District will work with US EPA for submission.

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

Status: *US EPA comments have been shared with the operator.*

- On Track

Current Activities:

May 13, 2022: *Northern District is trying to get one last copy of an original file. The new operator did not generate the AE package.*

Anticipated Next Steps:

Northern District will compile any changes from CalGEM HQ and/or SWB and submit responses to US EPA soon after.

Aquifer Exemption Proposal Status

Lompoc

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

Status: *Public comment period documents created by District.*

- Behind Schedule by 2 months

Current Activities:

May 13, 2022: A total of 7 comments received. 6 written and 1 from the public hearing.

Anticipated Next Steps:

OLRA and Legal will begin grouping like comments and answering non-technical comments. Northern District will work with the operator and SWB to answer any technical comments.

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

Status: *Comments on public comment period documents received from SWB.*

- Behind Schedule by 2 months

Current Activities:

May 13, 2022: A total of 28 comments received. 24 written and 4 from the public hearing.

Anticipated Next Steps:

OLRA and Legal will begin grouping like comments and answering non-technical comments. Northern District will work with the operator and SWB to answer any technical comments.

Oxnard Conduit Analysis

Problem well identification Goals	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
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:

April 15, 2022: CalGEM HQ completed and signed a "Notice to Suspend Injection" letter to CalNRG for the steam injection project in the Oxnard field.

Anticipated Next Steps :

- Northern District has reassigned the engineer working on the Oxnard conduit analysis to the Cat Canyon conduit analysis. CalNRG will continue to work on the conduit analysis documents. Northern District will return to the Oxnard conduit analysis once the Cat Canyon conduit analysis is complete.

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
Cat Canyon - Idle and Plugged wells review. Data submission to CalGEM											
Cat Canyon - CalGEM Review											
Cat Canyon - WaterBoard Review											

Conduit Analysis Status: **Behind 2 months**

Current Activities:

April 18, 2022: Northern District engineers have completed the data review for non-Active operators. We will review the package and send the data to SWB for their analysis.

May 9, 2022: Non-Active operator data was shared with SWB and RWQCB for review. Transitioned one engineer off of conduit analysis back to the Sacramento office to help with backlog of work. The remaining 2 AOGEs will continue with the second review of operator supplied data.

Anticipated Next Steps :

- Conducting second review of operator supplied data.
- Working with remaining to operators to get data submitted. If submission dates begin to slip, Northern District will work with management to send strongly worded letters (violations).