



TECHNICAL ADVISORY COMMITTEE MEETING May 16, 2024 MEETING MINUTES

At approximately 1:30 p.m. on May 16, 2024, at the office of the Kaweah Delta Water Conservation District (“District”), Dennis Mills, Chair of the Technical Advisory Committee, called to order a meeting of the Committee Members.

Members	Dennis Mills - <i>Chair</i>	Dennis Keller
Present:	David DeGroot	Larry Dotson
	Aaron Bock	
	Scott Wagner	

Absent:

Staff and Agency consultants presented an agenda packet that followed the agenda. Attached hereto and incorporated by reference is the packet.

PUBLIC COMMENT:

Following calling the meeting to order, Chairman Dennis Mills conducted Committee member roll call (documented above) and then opened the meeting for public comment.

No Public comment was received.

CORRESPONDENCE AND ANNOUNCEMENTS:

General Manager Larsen gave an update on the status of the GSP work within the Subbasin including dates and times of the State Water Resources Control Board Staff tours, probationary workshops, and the Subbasin hearing.

MINUTES:

Chairman Dennis Mills presented the Technical Advisory Committee meeting minutes of April 18, 2024. A motion was made to approve the minutes by Member Dotson and Member Bock and the minutes were unanimously approved.

SUBBASIN TECHNICAL WORK REVIEW:

Don Tucker of 4Creeks presented a presentation put together by the technical consultants at INTERA reviewing the GSP Updates within the Subbasin detailing the deficiency letters with focus on ground water levels and land subsidence.

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Discussion Ensued

Chairman Mills requested information on significant and unreasonable results. The committee recommended that the timing is defined in the GSP in the definition of undesirable results.

Chairman Mills states the fall readings happen two times a year and believes SMCs should be focused on the timeline that is consistent with the readings.

Tomas Harder, of Harder and Company states he has a proposal for new monitoring wells but agrees that the contours are not consistent in the current mapping.

Don Tucker continued the presentation.

The committee recommended that the technical consultants add groundwater elevations to the current mapping. Don Tucker agrees to check the 0 boundary conditions with INTERA.

Don Tucker continued with the presentation focusing on MT Annual Exceedances after 2024.

Thomas Harder of Harder and company provided an update on the model, stating it was calibrated in April 2024 and that the calibration was standard. The presented mapping of exceedances has been modified but the sustainable yield will likely be less than 2024 with the current results.

KAWEAH SUBBASIN AREAS OF CONCERN:

Tom Harder, Principal Harder and Company presented a presentation to the committee reviewing Land Subsidence and Lower Aquifer SMC Process, including the contour mapping in MTs.

Chairman Mills discussed the problem areas and recommended adjusting MTs to avoid the problems. Tom agreed the Lakeside area was 1.5 ft subsidence and that it is protected as is.

Discussion Ensued

Member Keller discussed the exceedance of current rates, pulling water from clays and not impacting GW levels but impacting clays due to rate of extraction. Keller recommends departing from Levels to look at extraction rates as an impact for subsidence. Harder confirms change in hydraulic head can't overcome overburden pressure, this is an established theory. Levels will dictate, related to production, managing subsidence in part based on allowable GW levels.

Thomas Harder confirmed pumping vs production is being evaluated and managed in the lower aquifer.

Discussion Ensued

Thomas Harder continued the presentation.

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The committee recommended creating a policy for individual cases of deep well pumping and adding context for satisfaction of the current GSP that reflects the pursuit of the policy related to. Harder agreed and noted.

Thomas Harder continued the presentation, focusing on Land Subsidence along the Friant Kern Canal and mitigation of any damage to critical infrastructure.

Discussion Ensued

The committee discussed locations of monitoring wells that could benefit the collection of data within the GSA.

FUTURE AGENDA ITEMS AND MEETING DATES:

The next meeting was scheduled for June 20, 2024, at 1:30 p.m.

ADJOURNMENT:

There being no further business to discuss, the meeting was adjourned.

Respectfully Submitted,

Dennis Mills, Committee Chair