

**Oregon Consolidated Application and Permitting Process – Chemical Process Mine
Calico Resources USA**

TECHNICAL REVIEW TEAM – Water Resources Subcommittee Meeting Notes

Date: May 25, 2022; 2:00 PM – 4:00 PM PT

Location: Zoom teleconference, with public access by phone or online

Purpose: Water Resources Subcommittee to reach a consensus recommendation on completeness of the December 2021 revised Groundwater Baseline Data Report (BDR) and prepare a recommendation for the full Technical Review Team as to whether to approve the BDR.

<i>Attendees</i>	<i>Agency or Affiliation</i>
Sarah Lewis	Oregon Department of Geology and Mineral Industries (DOGAMI)
Ruarri Day-Stirrat	DOGAMI
Karl Wozniak	DOGAMI
Bob Brinkmann	DOGAMI
Alex Lopez	DOGAMI
Becky Johnson	DOGAMI
Ron Doughten	Oregon Department of Environmental Quality (DEQ)
Randy Jones	DEQ
Vanessa Rose	DEQ
Pat Heins	DEQ
Bill Goss	Oregon Health Authority (OHA)
Phil Marcy	Oregon Water Resources Department (WRD)
Jacqueline Cupples	United States Fish and Wildlife Service (USFWS)
T Mbabali	United States Environmental Protection Agency (EPA)
Senator Lynn Findley	Oregon State Senator
Tom Vialpando	Mayor of City of Vale
Peggy Lynch	Independent Lobbyist
Adam Bonin	Cardno now Stantec
Cameron Curtis	Cardno now Stantec
Unidentified participant	Paramount Gold
Heather Bartlett	SLR International Corp
Tom Patterson	SLR International Corp
Scott Miller	SLR International Corp
Brendan Keenan	Yakima Nation
Kris Kyper	EM Strategies
Vicki Thill	EM Strategies

Agenda:

Time	Agenda Topic
2:00 pm	Welcome and Introductions
2:15 pm	Changes and Revisions to the Agenda
2:30 pm	Summarize Review Findings of Groundwater Baseline Data Report (BDR) Submitted December 2021
3:00 pm	BDR Completeness Discussion
3:45 pm	Next Steps and Schedule
3:55 pm	Meeting Conclusion and Final Remarks
4:00 pm	A D J O U R N

Notes:

1. Introduction

- Meeting introduction by Alex Lopez, DOGAMI
- Call in details provided if attendees lose online connection, notice given that meeting was being recorded.
- Project overview provided by Karl Wozniak, DOGAMI, stating the purpose of the meeting was to allow a discussion of the TRT Subcommittee’s review of the Groundwater BDR. Members of the subcommittee, TRT, and Project Coordinating Committee (PCC) also introduced themselves. Discussion of the report during the meeting will be by TRT members only.
- The written public comment period for the Groundwater BDR was from May 11 to May 25, 2022. No public comments were received.

2. Agenda

- Reviewed by committee members; no changes or additions requested.

3. Summary of Review Findings of the Groundwater BDR – Karl Wozniak

- Update on the project since the Consolidated Permit Application (CPA) and previous Groundwater BDR were reviewed by the TRT in 2020.
- Discussion noting that the approval of the BDRs is required for a complete CPA.

- A revised Groundwater BDR was submitted on September 1, 2021, with a revised version received on December 9, 2021. The revised report, including geographic information system (GIS) files, was shared with the subcommittee on April 9, 2022.
- The goal of the meeting is to reach consensus on the completeness of the revised BDR and to recommend a motion to the full TRT to accept the report as complete, or incomplete and in need of additional information.

4. Collective Review Discussion – All Agencies

- DEQ – Randy Jones
 - Affirmed that the BDR does comply with the 2007 Work Plan requirements and contains data that appears to be accurate.
 - All previous DEQ comments have been adequately addressed in the revised BDR. There are no substantial changes to the report that were not previously reviewed.
 - Expressed concerns that models show slow groundwater flow, which is a concern for long-term sustainability. Recommends that a plan for managing groundwater during construction and operations be developed during the permitting phase.
- DOGAMI – Bob Brinkmann
 - Affirmed that the BDR is accurate and, by and large, all deficiencies have been resolved.
 - Recommended consistency regarding maximum drawdown in production wells and timespan in Sections 5 and 6, and in units for describing the hydraulic conductivity (cm/sec).
 - These edits are minor and do not preclude DOGAMI’s approval of the BDR.
- WRD – Phil Marcy
 - Affirmed that the BDR meets the workplan and is accurate. Ultimately, the comment response is adequate.
 - Identified several factors where the report or information could be improved:
 - Artesian flowing well represents a missed opportunity, as the elevation and flow rate could both have been measured. Well should potentially be shut in, measured, then allowed to flow afterwards.
 - Although a cross referenced table of well nomenclature was included, parenthetical reference of WRD well log IDs in the BDR text would be helpful in the future.
 - Inconsistent in referencing geology as both aquitard vs aquifer unit based on location.
 - Randy/DEQ asked whether the well log nomenclature issue would prevent permitting, and Phil responded that it would not.

5. Summary of Review Findings

- DEQ concerns include the following:
 - Is there enough room to store excess water?
 - Is there enough process water?
 - Is there enough groundwater?
- WRD concerns include the following:
 - Artesian well data being missing is disappointing, but it is not something that would cause a denial of the BDR. It would have been beneficial to have well data going all the way back to the beginning of this project for this specific well (for consistency).
- DOGAMI concerns include the following:
 - Suggest the addition/edit in narrative regarding drawdown in spring (10,000 days).
- The two remaining issues identified are the well nomenclature and DOGAMI’s suggested BDR text edit. The subcommittee was asked whether these issues are significant enough to deny approval of the BDR, or if the subcommittee recommended approving with the requested edits noted.

6. Recommendation

- DEQ – Randy indicated that the issues are not significant enough to delay approval. A motion was then brought forward to approve the Groundwater BDR.
- *Motion presented:* The Water Resources Subcommittee agrees that the December 2021 revised Groundwater Baseline Data Report is complete, accurate and conforms to the 2017 work plan, and should be approved by the full TRT.
 - No objections, unanimous consent to adopt motion.
 - Although there was unanimous consent, it was brought up that any issues in the Groundwater BDR may be addressed in the CPA.

7. Next Steps and Updates

- Motion will be presented at the next TRT meeting, to be scheduled.
- Karl provided a high-level overview of project updates that will be further discussed during the next TRT meeting.
 - A revised Geochemistry BDR was recently received and shared with the Geochemistry Subcommittee. Planning for a subcommittee meeting has begun.
 - A revised CPA and additional documents supporting land use requirements have been submitted. A review of the CPA will be scheduled in the near future.
 - DOGAMI and the Bureau of Land Management are working on a joint-bonding memorandum of understanding that will outline the bonding requirements and responsibilities of both agencies.

8. Final Remarks

- Karl and Sarah thanked the meeting participants for attending the meeting and for the subcommittee's time and preparation.
- The motion adopted by the subcommittee will be forwarded to the full TRT at the next TRT meeting.
- DOGAMI will be preparing notes, and the meeting summary and recording are to be posted on the project website.
- The meeting was adjourned at ~3:30 p.m.