



Board Minutes – October 19, 2021

Attendees:

1. Jessie Olson
2. Eric Smith (left at 3:20)
3. Barbara Luneau
4. Yana Sorokin
5. Kathy Peterson
6. Gabe Tuerk
7. Joe Ryan
8. Sean Cronin
9. Monica Bortolini
10. Mark Schueneman
11. Chris Smith
12. Sue Schauffler
13. Chuck Oppermann
14. Ken Lenarcic
15. Deb Hummel
16. Julie Trumpler
17. Crystal Kotowski-Edmunds (left after presentation)
18. Mary Boardman (left after presentation)
19. Joy Jenkins (left after presentation)

Welcome and Introductions

- Chris S called the meeting to order at 2:03pm and went through introductions.

Captain Jack Remediation Update

- Mary presented update about work at the Captain Jack Superfund Site (see presentation)
 - Described treatment process and current status, noted adaptive process for in-tunnel treatment.
 - Described in-tunnel treatment to reduce acidity and metals concentrations and monitoring process.
 - Showed diagram of remedy features.
 - Currently they are implementing a treatability study to determine if innovation remedy can achieve remedial actions for the site. MineWater is the operations contractor for treatability study. Goal is not to exacerbate existing conditions in the creek as the remedy is being implemented and modified.
 - Shared objective of treatability study and discussed initial results graphs (see slides).
 - Discussed performance relative to goals based on water quality. Noted iron and sulfate are higher than they have been though this might be expected that iron is being released from yellow boy.
 - Discussed recent activities to understand source water to the mine workings. Conducted a tracer study on Dew Drop creek and found that water from the creek enters the mine. Considering creek-bed lining as a method of reducing source water for the mine.
 - Discussed next steps to adapt and adjust the in-tunnel system to optimize performance.

- Gabe asked about back to back adding of reagents. Mary noted it was to try to get a large quantity distributed at more locations. Want to have the treatment zone as large as possible.
- Sean asked for clarification about lining of Dew Drop Creek. Mary explained that small section was lined small section where the creek goes over the tunnel. No environmental permits are required because it's a response action.
- Joe asked if there was a path that was circumventing treatment for when the mine water pool elevation is high. Mary noted that they do not have conclusive results yet.
- Deb asked how much of the data are monitored real-time vs. delayed for processing. Mary noted metals have 2-3-week turnaround time. Deb followed up to ask if there is a monitoring metric that would trigger a shutoff in real time. Mary noted that a water treatment plant still operating to maintain a set point of pH which would show an increase in lime-demand that would indicate an issue. They also monitor additional instantaneous parameters.
- Joe asked if in-tunnel treatment is deemed effective, what would this look like as a long-term operation and how would power outage issues be solved. Mary responded that the long-term operation would be more cost-effective than an active treatment facility.
- Joe followed up asking about the maintenance and upkeep of the system- seems like the recirculation system would fail and consistent power outages would occur. Mary said the current intent is to keep the recirculation system off and generator is needed for power outage issues and what additional investments are needed for backup battery capacity.
- Jessie asked about plan in the face of wildfire. Mary responded that they have response measures in place and that they are not storing explosive substances on site (e.g. methanol).

Approval of Minutes

- Barbara moved, Monica seconded, to approve the minutes from the August 17, 2021 meeting; the motion carried unanimously

Budget & Insurance Update

- Jessie gave update on timing for 2021 budget and noted that the health insurance policy may change for 2023.

Adaptive Management Program Update

- Yana shared new cycle diagram and discussed how this will be used.

Other Projects Update

- Jessie shared map of potential priority areas and BOD members discussed specific areas where there may be opportunities and challenges.
- Dec meeting is moving to Dec 14.

- Chris noted that Personnel Committee will review red lines related to policies, and will send to the whole board.
- Sue asked Joe about Mary's presentation and next steps. Joe noted that the contractor is moving forward with additions but there's not a clear cause and effect. Contractor's contract goes till June 2022 and Joe suggested that we should get clarity from EPA and CDPHE about if this is successful or if we need to consider something else. Joe noted a concern about what should be getting done day-to-day to make sure that what to make sure another fish kill doesn't happen and why there's not a standard for fish above Licksillet. Joe also noted that the outflow should be checked regularly using copper test kits because copper is a more sensitive indicator of potential issues. Sue is going to meet with local landowner to learn more about his perspective and will include Deb and Joe.
- Sue asked about how significant changes to current forest ecosystems with forest thinning are being considered. Jessie noted that these changes are being considered in the context of tradeoffs with wildfire and restoration, and assumption that fire is part of the natural process and conditions are currently unnatural. All agreed to discuss further at the site visit.
- Monica asked for update about office space. Jessie noted that fire district and SVLHWCD offices are the two options and we are currently in a holding pattern because fire district is being built and Sean has tenants. Sue will get back to Jessie about number of offices and price for fire district this fall.

Adjournment

The meeting was adjourned at 4:15 pm.