

# BCWA Board Meeting Summary

February 10, 2016

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**Members and Participants Present** Pat O’Connell, Jefferson County; Mike Towner and Alan Searcy, Lakewood; Bert Weaver, Charlotte Hampson and Tom Hayden, Clear Creek County; Dave Lighthart, Evergreen; Chris Schauder, West Jefferson Metro District; Tony Langowski, Kittredge Water and Sanitation District; Simon Farrell (Morrison, The Fort, Aspen Park); Kim Brogan and Tony Doukas, Jeffco Schools; Becky Hammer, Conifer Sanitation Association; Cindy Brady, Denver Water; Will Raatz, Forest Hills Metro District; Russell Clayshulte, Manager

**Call To Order** – Chris Schauder called meeting to order at 9:05 a.m., a quorum was present. The meeting held at the Evergreen Metro District Offices. .

## **Board Action Items**

1. **January 2016 Meeting Summary** –A motion was made by Pat O’Connell and seconded by Tony Langowski to accept the meeting summary as presented. The motion passed.
2. **Billings** - A motion was made by Dave Lighthart and seconded by Chris Schauder to pay the bills as presented. The motion passed.
3. **TRS Recommendations**  
BCWA Sample Plan Version 2016.01 – After some discussion on the sample plan and changes made in the 2016 program, a motion was made by Alan Searcy and seconded by Dave Lighthart to accept the sample plan as presented and discussed. The motion passed.
4. **Other Action Items** – The manager presented and reviewed the following documents for BCWA review and action.
  - Regulation 85 2015 Data Summary - A motion was made by Dave Lighthart and seconded by Alan Searcy to accept the 2015 Regulation #85 data as presented. The motion passed.
  - 2015 Bear Creek Master (Working Final) - A motion was made by Chris Schauder and seconded by Bert Weaver to accept the 2015 Bear Creek Master as presented, with the recognition that the spreadsheet is a working file. The motion passed.
  - BCWA WQSD01 Troublesome (Updated with Fall Data) and BCWA WQSD02 Upper Bear (Updated with Fall Data) - A motion was made by Tony Langowski and seconded by Alan Searcy to accept the WQSD01 and WQSD02 as presented and discussed. The motion passed.
  - A motion was made by Bert Weaver and seconded by Tony Langowski to accept the following list of 2015 technical memorandums as presented. The motion passed.
    - i. BCWA TM2015.02 UBCW Summary
    - ii. BCWA TM2015.03 Kerr Swede 2015 Complete
    - iii. BCWA TM2015.04 Coyote Gulch
    - iv. BCWA TM2015.05 BCR 2015 Summary
    - v. BCWA TM2015.06 MBCW 2015 Nutrient Summary
    - vi. BCWA TM2015.07 2015 P1 Summary
    - vii. BCWA TM2015.08 Barr Milton TMDL Summary
    - viii. BCWA TM2015.10 BCR Phytoplankton Summary

- ix. BCWA TM2015.09 EGL Summary
- x. BCWA TM 2015.12 Macroinvertebrates

### **Board Discussion Items**

Conifer Metro District Permit Amendment Request for TDS Variance. Adam Sommers, P.E. |AquaWorks DBO, Inc. presented a site application amendment for a total dissolved solids (TDS) variance for the wastewater treatment plant. The Conifer Metropolitan District is addressing a violation of their TDS standard. The District was issued a Compliance Advisory on May 13, 2014 for multiple exceedances of the 400 mg/L TDS limit contained in the discharge permit. The district conducted one year's worth of analytical sampling as called for in the monitoring plan. The district is requesting an indefinite alternate TDS discharge permit limit of 1,737 mg/L. This value is 125% of the highest recorded data point of 1,390 mg/L measured during the sampling period between June 16, 2014, and July 7, 2015. The District contends that meeting the existing limit is not technologically or financially feasible for the following two reasons: High levels of TDS present in the ambient groundwater; and the use of water softeners by others within the District service area. Adam reported that the average amount of TDS sampled in Well #4 during the sampling period was 785 mg/L. The average amount of TDS in the wastewater effluent for that period was 883 mg/L. The wastewater treatment system is not designed for the removal of TDS. As such, TDS is passed through the wastewater treatment system and discharged with the effluent into the infiltration gallery, and ends up in the water table. Ultimately, some of the TDS gets picked back up in the ambient water at Well #4, creating a cyclical loop. The privately owned softeners in the district have an unavoidable secondary effect of contributing to the TDS violations at the District's wastewater treatment plant. The softeners use a medium that must be periodically regenerated by backwashing with a brine solution (sodium chloride). The liquid produced by backwashing, which consists of the dissolved solids in the filters, is discharged into the sewer system. The elevated influent TDS is then discharged with the wastewater effluent. The BCWA discussed the variance request and concerns were raised by both the CSA and Jefferson County Schools. The Association requested a statement be included with the site application addressing the influence of elevated TDS in the CSA discharge and in North Turkey Creek. Is TDS a surface water concern? There was a question about the TDS concentrations in up-gradient and surrounding wells. This data wasn't available. Adam will investigate the TDS in up-gradient and surrounding wells and report back to the BCWA. Since up-gradient TDS is generally the basis for a variance, it wasn't clear if the requested variance value was the correct limit. The BCWA recommended the additional data be presented and discussed before signing off on the variance request.

Closure of Singing River Ranch WWTF, Site Application Todd Amen (Site Application Forwarded to Selected Members). Todd reviewed the SRR treatment facility history and action taken over the last few years. The BCWA discussed the closure process and site application. The BCWA noted several concerns about the process. The manager reviewed *BCWA Policy 35 Membership Entity Termination and Permit Closure* with Todd and explained how the change to the Control Regulation could be done later by the Association. Simon offered to work with Todd to correct the site application closure request and make sure the necessary actions are taken. The site application request was tabled for further review.

### **Membership Updates and Issues Forum**

- Evergreen** –Provided an update on the rebid of the dredge project. Updates were made on the WARSSS and CREAT projects that underway and involve the EMD and Association.
- Jefferson County** – No update.

**Jefferson County Health Department** –No update.

**Clear Creek County** - No update.

**Lakewood** - Provided an update on BCR conditions and rapid ice melt.

**Denver Water** - No update.

**Wastewater Dischargers** - Simon noted construction status of the Outdoor Lab new plant and the Fort Resturant.

**Corps of Engineers** – No update.

**Jeffco Schools** – Construction near completion for new Mt. Evan School treatment works, completion expected in March 2016.

**The Fort** – Permit submitted to Jeffco Health for new OWTS, issues resolved with WQCD. Expected to opt out in 2016 with new system in place by summer 2016.

**Administrative Items** – No discussions.

**Adjournment** – The meeting adjourned at 11:55 p.m. (Motion by Kim Brogan and seconded by Simon Farrell).