

**Barr Lake/Milton Reservoir Watershed Association
Public Stakeholder Meeting
Monday, March 19, 2018
Barr Lake State Park Nature Center
9:30 a.m. – 1:00 p.m.**

MINUTES

In attendance:

Shelley Stanley, BDCWA
Steve Lundt, Metro Wastewater
Sarah Reeves, SPCURE
Laurie Rink, FRICO
Michelle Seubert, Barr Lake State Park
Mary Dawson, City of Aurora
Julie Kinsey, EPA
Keith Pass, DIA
Dan DeLaughter, Littleton Englewood POTW
Derek Sowell, Haven Sporting Club/Milton Res.
Juliana Archeleta, Adams County
Linda Chynoweth, City of Aurora
Jill Piatt-Kemper, City of Aurora

Chris Douglass, ECCV
Karmyn Heilmann, Bio-Environment
Samantha McKinny, MSU, Intern
Deb Parker, Littleton Englewood POTW
Al Polonsky, Denver
Kevin Pustalka, South Adams Co. W&S
Donny Roush, Denver
Charlene Seedle, Adams Co. W&S
Jim McQuarrie, Metro
David Mallery, Bluff Lake Nature Center

Guests:

Amy Conklin, BMW Coordinator

Welcome, Sign-In, and Introductions – Amy welcomed everyone to the first BMW Stakeholder meeting in 2018. Everyone briefly introduced themselves.

General Business–

Updates

Board (*Dan DeLaughter*) – Dan reported on the Board’s focus on continuing to implement the TMDL and their work on white papers to help articulate what has been done and what is left to do.

Technical Committee (*Steve Lundt*) – Steve reported that lake monitoring is continuing, and Metro has expanded the effort to include inlets and outlets to the canal systems. He reported that his water quality summaries are being updated and should be available on the website soon. In 2018 the Technical Committee will be working on updating our watershed and in-lake models with data from 2011- 2017. The committee is working with CU – Denver Graduate students to continue research on projects in the BMW watershed. The stormwater monitoring station at the Burlington Canal should be up and



running soon. It has been a mild winter for the lakes. The diatoms are blooming now under the ice and the pH is high. The DO is attaining standards.

Treasurer's Report (Laurie Rink) – Laurie reported that the Board is working on a 5-year budget to determine the resources needed to continue TMDL implementation and preparation for hearings in 2027. While there are funds for some efforts, this year more money will be expended than revenues received. It is likely that membership dues will need to be increased.

Information and Education Committee Report (Steve Lundt) Steve reported that BMW has hired an intern, **Samantha McKinney**, for the summer and fall semesters. We are planning to have her help at many of the upcoming events. There is a stormdrain marking event scheduled for April 6th, the Furry Scurry on May 5th, many water festivals and Lake Appreciation Day on July 14th.

Coordinator - Amy reported that the Urban Cycle Bike Tour with Colorado Stormwater Council would be held **June 5th and 6th, 2018**. The BMW Watershed Tour would be **June 26th** touring North Denver Cornerstone Collaborative projects. More information will be sent out about these upcoming events.

Metro Wastewater Improvements (Jim McQuarrie) – Mr. McQuarrie gave a fascinating presentation on Metro's efforts to reduce nutrient loading from their facilities. He reported that initial steps to remove Phosphorus (P) from the effluent cost around \$56/lb. and got increasingly expensive. Removing the last amounts to achieve 0.1 mg/L of P cost about \$3,000/lb. Metro selected biological treatment to remove P from effluent, as opposed to chemical treatment, because it is more sustainable. In addition to removing P, the improvements to treatment were also removing Nitrogen and some other contaminants of emerging concern such as estrogen. The amount of P loading from the Hite treatment plant has been reduced from 1.3 million lbs. in 2009 to 500,000 lbs. in 2017. Of the 7,000 lbs. of P coming into the plant each day, only 560 lbs. are released in the effluent. The overall approach is to look at the issues holistically, sustainably and to recover as many resources as possible. They have selected the Airprex Technology from Europe for the side stream issues of wastewater treatment with one result being a new product they hope to sell to feed lots.

Tour of Northern Treatment Plant.

Lunch and Open Forum –

1:00 Adjournment

Upcoming Meetings/Events (see www.barr-milton.org for more information):

- BMW Board meeting – **April 24th, 9:00** am to noon, Metro
- BMW I&E Committee – **May 1st, 9:00** am to 11:00, Barr Lake State Park Nature Center
- Graduate Student Presentations – **May 9th, time TBD**, Aurania Campus
- Technical Committee – **May 24th, 9:00** am to 11:00 am, Metro
- Urban Water Cycle Bike Tours – **June 5th and 6th**, along Sand Creek
- Watershed Tour - **June 26th**, tour of North Denver Cornerstone Collaborative projects

