

Barr Lake/Milton Reservoir Watershed Association
Public Stakeholder Meeting
Tuesday, February 24, 2014
Wes Brown Water Treatment Plant
9:30 a.m. – 11:30 p.m.

MINUTES

In attendance:

Linda Chynoweth, City of Aurora
Shelley Stanley, BDCWA
Bridget Sullivan, Barr Lake State Park
James Boswell, City of Thornton
Steve Lundt, Metro Wastewater Rec. District
Jill Piatt-Kemper, City of Aurora
Sarah Reeves, SPCURE
Laurie Rink, FRICO
Michelle Seubert, Barr Lake State Park
Mary Dawson, City of Aurora
Ed Burke, Brighton
Rachel Hansgen, Groundwork Denver
John Stednick, CSU/FRICO
Julie Kinsey, EPA
Keith Pass, DIA
Barbara Biggs, CDM Smith

Bill Vassilogambros, Tri-County Health Dept.
Hope Dalton, Tri-County Health Dept.
Margaret Herzog, Water Action Network
Kelly Cline, Westminster
Ben Tyler, River Watch
Willam Battadin, USGS
Rachel Hansgen, Groundwork Denver
Devon Buckels, Urban Waters Partnership
Gary Vanderslice, Lytle Water Solutions
John Ennis, S. Adams County Water & San.
Blair Corning, S. Adams Water & San
Jon Novick – Denver Environmental Health

Guests:

Amy Conklin, BMW Coordinator
Susan Thornton, BMW Coordinator

Welcome, Sign-In, and Introductions – Amy welcomed everyone to the first BMW Stakeholder meeting in 2015. Everyone briefly introduced themselves.

General Business:

- Updates
 - **Board (*Laurie Rink*)** – Laurie reported that the Board has been working on implementing the TMDL. She described the Board committees and invited anyone to participate who is interested. The latest effort is to update the Watershed Plan. Anyone interested in participating in a BMW committee should contact Amy.
 - **Technical Committee (*Steve Lundt*)** – Steve reported that the Technical Committee meets on the fourth Thursday of the month at Metro at 9 am. Everyone is welcome to attend. The Technical Committee is working on a report of the results of the limnocorral experiments and will be focusing on Milton reservoir in 2015. The committee will also be working on another carp harvest.
 - **Treasurer's Report (*Blair Corning*)** Blair reported that membership dues invoices will be coming in the next few months.

- **Information and Education Committee** – Steve reported that the I&E Committee was coordinating with Michelle Seubert and her many activities at Barr Lake State Park. They had a budget of \$8,000. Michelle reported on the expansion of the Nature Center at Barr Lake. She also updated the group on some of the activities going on at the park that everyone is welcome to attend and volunteer for.
- **Coordinator** - Amy reported that the BMW Watershed Tour/Bike Tour with Colorado Foundation for Water Education would be **June 2nd and 4th, 2015** Amy reported that this year for the Watershed Tour, we are again partnering with the CFWE to arrange for bike tours of the Platte from Chatfield Reservoir to the Littleton/Englewood wastewater treatment plant. The June 2nd tour is being organized as the next Stakeholder meeting and watershed tour. We will be sending information about the tour.

Presentation of In-Canal Treatment Feasibility Study (Steve Lundt)- BMW contracted with Harvey Harper of Environmental Research and Design, to conduct a feasibility evaluation of potential options for reducing phosphorus loadings discharging into Barr Lake through the Burlington Canal. Steve Lundt made an excellent presentation with trivia questions. Many participants won fabulous prizes. The summary table of the costs of the In-Canal options is shown below.

TABLE 5-1

**SUMMARY OF CONSTRUCTION, O&M, AND
TOTAL PHOSPHORUS MASS REMOVAL COSTS FOR
THE ALUM INFLOW TREATMENT OPTIONS**

OPTION	CONSTRUCTION COST (\$)	ANNUAL O&M COST (\$)	MASS TP REMOVAL COST ¹ (\$/kg)
1. <u>2,500 kg TP/year</u>			
a. Floc Discharge to Lake	1,161,456	133,618	59.50
b. Full Floc Capture	1,776,474	148,428	75.90
c. Partial Floc Capture	1,538,005	144,923	70.20
2. <u>14,500 kg TP/year</u>			
a. Floc Discharge to Lake	1,211,256	428,392	24.30
b. Full Floc Capture	5,198,258	476,953	40.30
c. Partial Floc Capture	3,369,980	456,572	33.00
3. <u>53,250 kg TP/year</u>			
a. Floc Discharge to Lake	1,334,856	1,270,611	17.50
b. Full Floc Capture	12,085,361	1,372,101	28.90
c. Partial Floc Capture	7,022,987	1,321,356	23.50
4. <u>68,160 kg TP/year</u>			
a. Floc Discharge to Lake	1,334,856	1,513,519	16.10
b. Full Floc Capture	14,205,839	1,615,009	26.50
c. Partial Floc Capture	8,097,689	1,564,264	21.50

1. 20-year present worth cost, i = 4%

Urban Waters Partnership Water Quality Assessment (*Rachel Hangen, Groundworks Denver*)-

The Urban Waters Partnership has been working to put together a water quality assessment whose boundaries are the Denver metro area. Rachel Hansgen and her team presented the template they are proposing for the water quality assessment tool. The audience is the general public. They are working on funding to keep the project sustainable. Anyone with any comments is encouraged to contact Rachel.

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

- BMW I&E Committee – **March 3, 9:00** am to 11:00, Barr Lake State Park Nature Center
- BMW Board meeting – **March 24 , 9:00** am to noon, Metro
- Technical Committee – **March 26, 9:00** am to 11:00 am, Metro
- Watershed Tour - **June 2nd** (in the am, targeting BMW) and **June 4th** (in the pm, targeting the public), beginning at Chatfield State Park and ending at the Littleton/Englewood WWTP