

Barr Lake/Milton Reservoir Watershed Association

Technical Committee Meeting

Thursday, November 17th, 2011 (9:00am – 11:00pm)

Metro Wastewater Reclamation District, Denver

MINUTES

Technical Committee Meeting – 11/17/11

In attendance:

Steve Lundt – Metro Wastewater
Al Baker - Centennial
Linda Boyle - Aurora
Laurie Rink –FRICO
Michelle Rhyerson – Metro
Amy Woodis – Metro
Shelley Stanley - Northglenn
Al Polonsky – Denver

Guests:

Marcia Greenblatt – Integral
Ken Wagner - WRS
Amy Conklin – BMW

Meeting Minutes

Meeting minutes from the September 22nd, 2011 Technical Committee meeting were approved by acclamation.

1. Updating BMW WQ Modeling in 2012

a. Ken Wagner and Marcia Greenblatt Plan of Action

Steve gave a background report on the status of the TMDL. Ken reviewed the Action Plan which includes calibrating and updating the existing model; not creating anything new. The group remarked that the flow data we have for 2003-2010 should be much better than the data used to create the model. Amy Conklin asked if compiling the data in separate spreadsheets would be sufficient for their work on the model and it will be. We anticipate that the modeling effort would begin in spring of 2012 and take about 6 months of effort.

Laurie Rink expressed her hope that the model would help us evaluate the linkages between total phosphorus and chlorophyll a, and chlorophyll a and pH. The group also discussed modeling different lake management scenarios, such as the Northern Treatment plant coming online. BMW will need to better define what inputs to use for the different scenarios. It would also be nice to be able to model in-lake treatment scenarios, if possible. It would be particularly useful to determine the impacts of internal loading.

Ken Wagner and Marcia Greenblatt will work together to submit a more detailed Scope of Work that will include contracting options and timelines and send it to Steve Lundt. The BMW Board will discuss the modeling effort at their meeting on Tuesday, November 22nd.

The Technical Committee reviewed the status of the data requested. So far the only entities that haven't replied about when they will submit data are; Hudson, Lochbuie, Ft. Lupton and Xcel. The group discussed different options for obtaining the needed data and concluded with the concept of assuming inputs and letting the entities respond to the assumptions we propose for the model. As the modeling effort progresses, it is likely we will discover other data needed for the model.

2. What to Do in 2012?

- a. Alum use and Limnocorrals. Steve Lundt reported that the limnocorrals need some repair work but they can be reused. We probably are not going to use them next summer unless we get the alum permit. Steve will contact Karl Hermann at EPA to see if he can suggest potential solutions. Jar testing may be somewhat useful but it will be hard to simulate lake conditions in the lab. **Laurie Rink** will talk to John Stednick about using the limnocorrals for an academic study. **Laurie** will also talk to Andrew Newhart, a permit writer to determine who he is assigning the limnocorral alum permit to. We can suggest writing the permit for them, based on the only other alum permit issued.

3. In-canal Treatment Option(s)

- a. Richard Archer – Richard was unavailable to make a report.

4. TMDL Implementation (On Going Updates as Needed)

- a. Canal Treatment (Richard Archer/FRICO)
- b. Stormwater Options (Al Polonsky) Al Polonsky brought a hand out he will be using for Best Management Practices for stormwater controls.
- c. NPS/Ag. (Linda Boyle)
- d. WWTP upgrades (Amy Woodis)
- e. Internal Loading Treatments (Richard Archer, Steve Lundt, FRICO)
- f. Other (Burlington Pumps Update – Kelly DiNatale)

Laurie Rink reported that the BMW Board would be discussing the studies identified in the Implementation Plan that is part of the TMDL. Some of the studies may be adequately addressed as part of other efforts. The group discussed movement towards phosphorus restrictions in Colorado. Restrictions in other states may have trickled down to industries that produce products that typically contain phosphorus such as lawn fertilizers and dishwashing detergents. Since so many states are imposing restrictions on phosphorus in products, industry is responding by removing phosphorus as a standard practice. As a practical matter, it is becoming increasingly more difficult to find products that contain phosphorus.

The Implementation Plan also calls for in-lake treatment but that effort will need to be delayed until we can do more analysis using the limnocorrals, which requires an alum permit.

The group also discussed the increasing importance of Information and Education as part of the work products for MS4s and others. It may be worthwhile to check with the Stormwater Council, the Utility Council and others to see if there are opportunities to partner with our watershed information and education efforts.

5. Other BMW Topics and Discussion

Contained Animal Feeding Operations (CAFOs) will be a future topic of discussion. **Amy Conklin** will bring contact information for the Family Farm Alliance.

6. Next Meeting

- a. Tech. Committee: January 26, 2012, 9am at Metro
- b. BMW Board Meeting: November 22, 9am to Noon at Metro