

Barr Lake/Milton Reservoir Watershed Association
BMW Board Retreat
July 28th, 2020 9:00 am – 11:00 am
Microsoft Teams

Minutes

Board Attendance:

Steve Lundt – Metro
Dan DeLaughter – South Platte Renew
Sarah Reeves -SPCURE
Michelle Seubert – CPW
Erin Jenkins – S. P. Renew
Chris Douglass – ECCV
Curt Bauers – FRICO
Jennie Fleurant – BMW Intern
Brad Cox – Denver
Michelle Seubert, CPW
Julie Tinetti, Centennial

JM Genbenc – South Adams County
Katie Koplitz – Metro
James Boswell - Thornton

Public Attendance:

Amy Conklin – BMW Coordinator
Jeff Shoemaker – The Greenway Foundation
Devon Buckels - The Greenway Foundation
Christopher Tippie – Frog Creek Partners
Brian Duerloo – Frog Creek Partner
Charlie Tinetti, so cute!
Hairless cat kitten, adorable

Dan worked his magic and got the virtual meeting started.

Introductions and Burrito eating – Sadly, no burritos, but its staying as an agenda item. Dan went through introductions with everyone on the call.

Rock the River – Jeff Shoemaker thanked BMW for all the hard work and for our support of Rock the River. Rock the River will be a virtual event on Thursday, September 10th with former Mayors and local musicians. It will be about an hour of fun that BMW, as a supporter, can attend.

Gutter Bin Presentation – The Greenway Foundation (TGF) has been installing gutter bins around Denver. To date TGF has installed 12 gutter bins that collect over 99% of solid and about 50% of chemical pollutants in the waterways. TGF is implementing programs that remove trash from our waterways.

Brian Derloo shared his presentation on Frog Creek Partners Gutter Bin products. As a pilot project in 2018 gutter bins were put in civic center park before a festival. He discussed trash and sediment pollution and its negative effects on the environment. He shared some terrifying statistics about what pollution is doing to our waterways. He also shared some good news about what people are doing all around the world to control pollution. He showed different gutter bin designs. There are currently 18 gutter bins in Denver but 22,000 stormwater inlets. Some of the reports from the gutter bins' performance were also shared. The

What solutions are out there to solve the problem?

- Stormwater enterprise fund/utility
- More frequent vac truck cleaning
- End of pipe separators
- Street sweeping
- Ocean Cleanup Project
- Storm drain filters



City of Denver is taking over maintenance of gutter bins. They can use vac trucks to clean them out. Frog Creek Partners is trying to save the world one gutter bin at a time.

The time period between services is about 5 to 6 weeks for busy locations. Some of the gutter bins can hold up to 600 pounds of trash. Quarterly cleanings are OK for some sites. Gutter bins have also been used in industrial applications. They work with ports on the west coast. They use a carbon capture product in some of the facilities in the ports. They seem very effective in that application. They use a media that will remove some of the dissolved pollutants as well as different sized filters. Some of the gutter bins can handle as much as 600 gallons per minute. If there's an overflow a bypass is used to keep water off the street.

Brian, Chris, Jeff and Devon left the meeting.

Implementation Plan (IP) Update – The IP Committee has met several times and Erin presented the latest draft of the IP. They're meeting once every two weeks and they plan to send the latest draft to individuals for their edits. They added a regulatory section on Regulations 31 and 85 and its relationship to the IP.

Steve is engaging the Technical Committee to help brainstorm next steps in the IP. One goal is to make the new IP more visual. Anyone can weigh in to help make the plan more visual. Julie was reading the CSC comments on the non-standard permit and they said that the IP doesn't address MS4s. The timing on including updates to the MS4 permits is not good to get them in this draft of the IP. The document hopes to capture what will go into the MS4 permits but finalizing the permits is taking more time than we have to complete the IP. BMW's intent is to get on the same page with the MS4 permit and BMW's IP. Future monitoring should probably be included in the IP

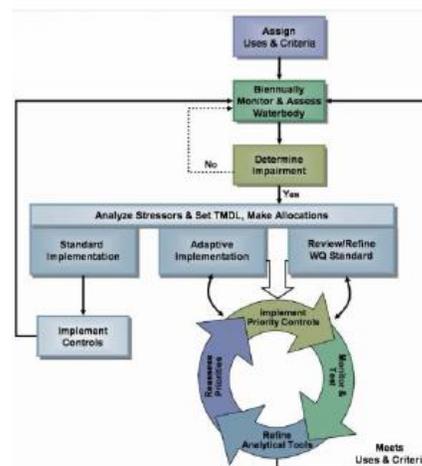


Figure 5-1. The Adaptive Implementation Process.

The Technical Committee (TC) will be looking at monitoring in the watershed, including stormwater. It might be useful to look at results from Denver's monitoring to guide future monitoring. Monthly monitoring has been discussed. EPA's stormwater guidance is to collect quantifiable water quality data. We want to know we're meeting the stormwater reductions described in the TMDL Wasteload Allocations.

Dan asked the group if the IP was moving in the right direction. There was agreement that it is. Steve shared that his intent is to use the IP for guidance on how to implement the TMDL rather than using it as a regulatory instrument. He also reminded the group that ours is a phased TMDL.

Non Standard MS4 Permit comments –On July 1st, Amy and Dan participated in a meeting with CDPHE and Forrest Dykstra, Highlands Ranch Metro District and CSC Non Standard MS4 permittee representative, regarding conflicts between CSC and BMW comments on the Non Standard MS4 Permit. CDPHE extended the responsive comment period until August 10th. Dan updated the group on the meeting. The CSC has until August 10th to provide responsive comments. We have until August 21st to rebut their comments. We are hoping to meet with Forrest next week. Our plan is to talk about ways we could be more flexible regarding levels of monitoring.

Dan thinks we should at least clarify their comments on BMW, where they assert that they are not part of the TMDL. Some amount of monitoring is appropriate and we just want to work through the specifics. **Dan** has authority to negotiate and should continue to be our spokesperson. We just need to keep communicating, telling them what we need and to be supportive. **Dan** is hoping to get something on the calendar. BMW is willing to help them show that the stormwater loads are being reduced.

Brad suggested non-structural BMPs might be helpful to them. Small, non-standard permittees can negotiate with the standard MS4 permittees to handle the permit requirements. However, if MOUs are required, that can be a burden for the standard permittees. Even understanding land areas involved should help in understanding the scope of the issues. Brad was having an intern start looking at some of the P outfall data. Using the data gap analysis report it may be possible to do some high level analyses. **Brad** will talk with the TC about that possibility. **Steve** will put it on the agenda for next month.

We need to get into the habit of talking about the benefits we're providing the MS4 community. We could consider using the Chesapeake Bay as a model. We would like to keep it as fun as possible and get people engaged with protecting stormwater. We want to keep helping the stormwater community. Maybe we buy them a gutter bin? **Brad** will continue to look for ways for BMW and CSC to engage in a productive fun way.

Electronic Payment Policy – Amy and Chris have been working on changes to the BMW Financial Policies to accommodate electronic payment of invoices. Chris talked about the impacts of Covid on our check processing policy. There are 2 components, deposits and check writing. Deposits can be made through the bank's app. As long as our membership dues amount doesn't go above \$15,000, we should be ok. Using the App would save time going to the bank. **Chris** will find out if there is a daily upper limit.

If we go to a corporate account, it is easier to accept other forms of payment and we could go with a wire transfer. What we have in our small business account is that we can set up payments and require a separate approval. In our policy we want dual approvals for checks for more than \$5,000, but there are more fees for the account type where we can have dual approvals. We may have enough credits to offset the fees for dual approvals. When our account balance goes down, we may need to pay for the dual approval.

Currently there shouldn't be a cost to BMW for electronic payments. Chris's recommendation is to go to the corporate account, at least for now. We are being cautious with checks and balances

with how payments are made to protect transparency. It would be good to know what the total fees would be in the short term and what the cut off is for initiating fees. **Chris** will continue looking into the Corporate account and make a recommendation at the next meeting. This will also explore what's involved in going back to being a small business account?

There was a Thumbs up approval to proceed reviewing the corporate account. **Chris** will bring the item back next month.

2020/2021 BMW Budget – Chris reviewed the current BMW budget status. We are currently coming in under budget. Membership dues collected this year are the most we've ever collected. Dan asked about members ability to keep paying dues in light of impacts from Covid – 19. The group concluded that we will continue to consider each case separately and won't change anything at this point. We have cash reserves of about \$259,000 so we can be patient and flexible. Financially, BMW is in a good position. In the new budget, things are mostly kept the same with a few adjustments. The stormwater monitoring budget was increased. The coordinator's budget was kept the same and included the bike tour grant and payments.

James Boswell moved to approve the budget as presented, Dan DeLaughter seconded. There was a unanimous thumbs up approval.

Review of Coordinator Scope of Work – Amy left the meeting at this point so can't record the conversation but the outcome is that the Coordinator's Contract has been approved with a Thumbs up vote. THANK YOU!!

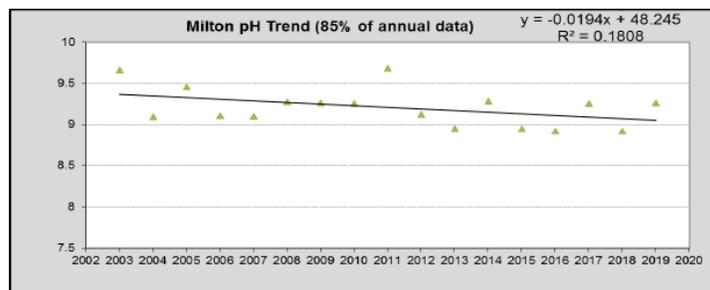
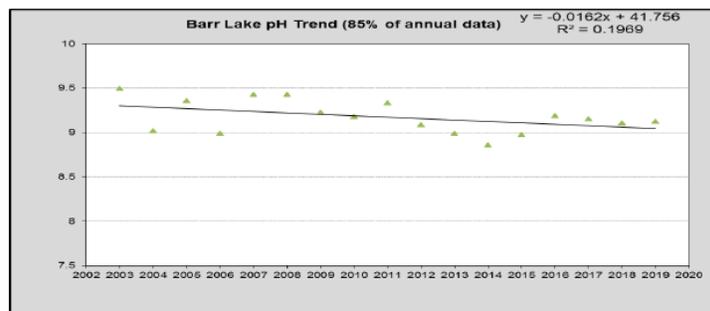
Technical Committee Update – Steve updated the Board on the TC meeting. It has been about 18 months since the TC meeting last met. He hopes to have the meetings start again every other month.

They talked about the modeling with Integral running the watershed model separately from the in reservoir model and comparing the separate results to the data.

The TC talked about

[2020 Technical Updates - Monitoring](#)

pH



the IP and providing input. Steve shared water quality results for the year. **Steve/Amy** will share the slides with Board. Steve updated the Board on some additional monitoring efforts including continuation of longitudinal monitoring by USGS. Their monitoring effort is at no cost to participants. The effort was started as part of the OCCT studies. In addition, a company named Cisco, is trying to establish a network of stations in Denver. Jordan Parman is leading a group to try to brainstorm what and where the network should be.

The 2019 Water Quality Summary Series are posted on the website. Steve encouraged everyone to review them. John Stednick and Curt Bauers measured loads into Milton Reservoir in 2019 and they were below the TMDL goal. However, the pH standard for Milton was still not attained. We've reduced in-lake P at Barr by about 50% but it's still not down to the 100 ug/L goal of the TMDL. P loadings, concentrations and pH values are all going in the right direction. John and Curt encouraged the models to include the Burlington pumps as they suspect the pumps may be active in the future.

Steve also updated the group that carp removal is continuing and the amount of P being removed is adding up. It is considered in-lake management and helps with P removal. More information on carp removal is included in the slides Steve will send out. Steve thinks the cost is very low for the P removal and it is an activity we are doing to control P. He'll start baiting the carp nets soon and will be buying several thousand pounds of corn. The next TC meeting is September 24th. He'll continue to update the Board on TC activities.

I&E Committee Update – Michelle reported on Lake Appreciation Day. She had 85 volunteers with 8 different project areas for small groups of family and friends. Volunteers got T shirts that were amazing. There weren't the usual fun activities in the afternoon or lunch, but there were Covid -19 appropriate snacks. She's been working with Jennie and the poop balloon and they've passed out water activity placemats. They are creating a fertilizer display in the nature center that will be very interactive.



Amy reported that Donny Roush has been working with SPREE rangers and doing some stormdrain marking.

Review of Insurance – Sarah and Michelle will send Amy their insurer’s contact information for Amy to follow up with.

Updates/Action Items

- Chair’s Report –
 - The MS4 Non Standard permit is most important update.
 - PFAs are another item the Board should continue to track. We may want to think about testing for PFAs because there is a de facto standard now. The standard is so low that it will be a challenge to meet.
 - There is also a discharger survey being circulated. The state’s monitoring data is showing pollution in places they expected. They are asking for data utilities have.
 - Arsenic may be added to our TMDL in the future. We should just keep watching.
 - Treasurer’s Report
 - As of June 31st, the balance is \$245,577.02
 - All expenses since the last meeting are within budget and will be recorded as part of the minutes.
 - Membership dues received so far are shown in the table on the right.
 - Coordinator Updates (Amy C.)
 - Approval of the May 26th, 2020 Meeting Minutes. Thumbs up approval
 - Update on the virtual Watershed Tour – Over 250 views! Amy submitted it to the Colorado Environmental Film Festival. Everyone should watch the tour!
 - Potential EPA Grant update – Amy is negotiating with EPA so that BMW will not play a role in the money management. The effort will use BMW messages. Amy will continue to keep the Board updated.
 - We were going to invite other watershed groups to our meeting in August. Thoughts? Probably not until we can meet in person. **Amy** will follow up with Chuck Reid.
 - Annual Meeting and BBQ, September 22nd. Could we be in person at the pavilion at Barr Lake? Probably not. The meeting will need to be virtual barring a miracle.
 - Joy Labadie – back and looking for clients. Amy recommended we stay with the current arrangement for now and see how it goes.

June checks that cleared		
2121 -Colorado Monitoring Framework	\$ 5,402.84	Membership dues
2123 - The Greenway Foundation - Reception on the River	\$ 500.00	Membership support
2125 - Amy Conklin	\$ 3,613.50	April 2020 Coordination
6/18- Minuteman press - placemats	\$ 250.00	I&E
6/19 OTC Brands - crayons	\$ 53.33	I&E
	\$ 9,819.67	
Deposits - Memberships		
Friends of Barr Lake	\$ 100.00	
Centennial W&S	\$ 12,000.00	
East Cherry Creek Valley	\$ 12,000.00	
South Adams County W&S	\$ 12,000.00	
	\$ 36,100.00	
Checks to Sign in July		
2129 - electronic payment test	\$ 1.00	Test of Banking process
2130 - Water Education Colorado	\$ 750.00	2020 Urban Water Cycle Bike Tour
2131 - Applewood Bookkeeping, invoice 645	\$ 60.00	Bookkeeping
2132 - Amy Conklin, June Svcs	\$ 4,599.00	Coordinator
2133 - Amy Conklin	\$ 1.00	Test of Banking process
2134 - GEI - expected	\$ 327.25	Stormwater monitoring
Deposits		
United Water and San.	\$ 12,000.00	Membership Dues
Thornton	\$ 12,000.00	Membership Dues
Suncor	\$ 4,000.00	Membership Dues

Member Name	Amount	Member Level
Adams County	\$ 4,000	Active
Big Dry Creek WA		
Brighton	\$ 1,000	Supporting
Burlington	\$ 4,000	Active
Centennial	\$ 12,000	Sustaining
City of Aurora		
CPW		
Denver Environmental Health		
Denver Water	\$ 4,000	Active
DPW		
ECCV	\$ 12,000	Sustaining
FRICO	\$ 12,000	Sustaining
Friends of Barr Lake	\$ 100	Supporting
Henrylynn	\$ 2,000	Supporting
Lochbuie		
Metro	\$ 12,000	Sustaining
North Front Range WQPA	\$ 100	Supporting
S. Adams County W&S	\$ 12,000	Sustaining
S. Platte Water Renewal P	\$ 12,000	Sustaining
SPCURE	\$ 4,000	Active
Suncor	\$ 4,000	Active
Thornton	\$ 12,000	Sustaining
United	\$ 12,000	Sustaining
Xcel	\$ 100	Supporting
Total	\$ 119,300	

Next Meetings

- Board Meeting – **August 25th, 9 am Virtual**
- I/E Committee Meeting – **September 8th, 2020 10 am to 11:30, Barr Lake Nature Center – probably in person!**

- Watershed Tour – **Going Virtual**. We are creating a story map we hope to complete and share with the Board in August and the Stakeholders in September.
- Annual Meeting and BBQ – **September 22nd, 2020, 9:30, virtual**
- Technical Committee meeting – **July 23rd, 9 am Virtual**

BMW Board 2020 ‘Schedule’

- ~~January 28, 2020 – Meeting at South Adams Water and Sanitation District – Thank you **JM!**~~
 - ~~**Amy** will present an outline for a presentation paper on the BMW OCCT experience. Too many acronyms (TMA). Amy will reach out to DW to get their feedback on the outline.~~
 - ~~**Erin** will present what she’s done with a Data Visualization Tool~~
- ~~February 25, 2020 – Stakeholder meeting – Barr Lake Nature Center – Thank you **Michelle**~~
 - ~~**Steve** – Water Quality update~~
 - ~~**Chris** – ECCV update~~
 - ~~**Julie** – Centennial update~~
- ~~March 24, 2020 – Metro, Thank you **Steve**~~
 - ~~**IP Committee** – progress report and brainstorming opportunities and funding~~
 - ~~**Dan/Erin** – Industrial Permit update~~
- April 28, 2020 – Metro, Thank you **Steve**
 - ~~**GEI or Steve** – Stormwater quality update~~
 - **IP Committee** - Update
- May 26, 2020 – Metro, Thank you **Steve**
 - Presentation from Lobbyist – **Amy** will work with **Michelle** to get CPW lobbyist to talk to the Board about the legislative process and what would be required for passing P-free fertilizer legislation
 - ~~Gutter Bin Presentation~~ **moved to July**
- June 23, 2020 – North Denver Cornerstone Collaborative tour – **Amy** will work with **Brad** to set it up
 - ~~Include information on improvements at City Park –~~ **changed to virtual story map**
- July 28, 2020 – Meet at Metro or Greenway Foundation, ~~Thank you **Steve or Jeff**~~ **virtual**
 - **Steve** – will try to set up a tour of Metro’s P recovery facility
 - ~~**IP Committee** – Update, maybe draft~~
 - ~~**Gutter Bin Presentation**~~
- August 25, 2020 – Meet at Metro, Thank you **Steve**
 - **Amy** will invite other watershed groups to attend this meeting and give them lunch. We can ask for an update on activities in Chatfield (including Chatfield Reallocation), Bear Creek (including progress on their TMDL) and Cherry Creek
 - **Curt** (?) – Present on how FRICO plans to operate in regards to the conservation pool at Chatfield
 - **IP Committee** – present final draft?

- Preparation for Annual meeting and BBQ – **review corporate policies. Adopt electronic payment policy amendment to Financial Policy.**
- September 22, 2020 – meet at Barr Lake, try to engage more stakeholders, thank you **Michelle**
 - **Michelle** – will help arrange golf cart tour to area where in-canal treatment would be built
 - **Steve** – will present in-canal treatment concept, maybe Harvey Harper can call in
 - **Amy** – will reach out to WQCD (Meg Parish, Joni Nuttle, Nicole Rowan, Patrick P.)
 -
- October 27, 2020 – Meet at Metro, thank you **Steve**
 - General catch up from whatever we didn't get to or need to get to.
 - Other topics – PFAs, invite Paul Winkle to talk about Arsenic and fishing
- November 24, 2020 – Board Retreat

BMW I/E Events for 2021