

Barr Lake/Milton Reservoir Watershed Association
 BMW Board Retreat
 August 25th, 2020 9:00 am – 11:00 am
 GoToMeeting

Minutes

Board Attendance:

Steve Lundt – Metro
 Dan DeLaughter– South Platte Renew
 Sarah Reeves -SPCURE
 Erin Jenkins – S. P. Renew
 Chris Douglass – ECCV
 Curt Bauers – FRICO

Jennie Fleurant – BMW Intern
 Brad Cox – Denver
 JM Genbenc – South Adams County
 James Boswell - Thornton

Public Attendance:

Amy Conklin – BMW Coordinator

Steve worked his magic and got the virtual meeting started.

Introductions and Burrito eating – Sadly, no burritos, but it’s staying as an agenda item. Dan went through introductions with everyone on the call and shared that he had made a burrito for himself for breakfast.



Non Standard MS4 Permit comments – BMW submitted comments on the latest round of comments on the Non-Standard MS4 permit. The main comment from BMW was in response to the Colorado Stormwater Council (CSC) comments regarding the TMDL and its application to stormwater discharges. We commented that TMDLs include the entire watershed not just direct discharges to the water bodies. The TMDL is pretty clear in listing the MS4 discharges.

Table 1.3 Stormwater Phase I and Phase II City and County Permittees in the BMW* (as of March 10, 2010).

Permit Number	Permittee Name	Permitting Phase
COS000003	Aurora, City of	Phase I
COS000005	Colorado Dept of Transportation	Phase I
COS000001	Denver, City & County of	Phase I
COS000002	Lakewood, City of	Phase I
COR090041	Adams County	Phase II
COR080010	Arapahoe County	Phase II
COR090013	Arvada, City of	Phase II
COR090089	Brighton, City of	Phase II
COR090066	Cherry Hills Village, City of	Phase II
COR090032	Commerce City, City of	Phase II
COR080003	Douglas County	Phase II
COR090068	Edgewater, City of	Phase II
COR090056	Englewood, City of	Phase II
COR090038	Federal Heights, City of	Phase II
COR090003	Glendale, City of	Phase II
COR080004	Greenwood Village, City of	Phase II
COR090024	Jefferson County	Phase II
COR090055	Littleton, City of	Phase II
COR080016	Lone Tree, City of	Phase II
COR090082	Sheridan, City of	Phase II
COR080021	Centennial, City of (Southwest Metro Stormwater Authority)	Phase II
COR090034	Thornton, City of	Phase II
COR090037	Weld County	Phase II
COR090015	Wheat Ridge, City of	Phase II

*All of these stormwater permittees are subject to proposed wasteload allocations.
 Note – MS4 data are from Colorado Department of Public Health and Environment – Water Quality Control Division

Other comments included elaborating on the monitoring requirement. We are trying to reach consensus with the MS4 community. We chose not to submit rebuttal comments because they would be redundant. Forrest Dykstra representing Highland Ranch Metro District’s (HRMD) and the Non-Standard MS4’s argued that monitoring shouldn’t be required at this point and they would prefer to be lumped in with the regular MS4s. The WQCD will determine monitoring requirements for the final Non-Standard MS4 permit.

intent is to eliminate mailing checks and having to chase down signatures. We may want to have the membership dues invoices designate that checks are mailed directly to Chris.



There is an option to get a credit card, to replace the debit card we already have. The MSU check can be processed electronically. Amy's invoice will wait a week to test out the dual approval process. **Chris** will continue to pursue getting Amy paid and finalizing the process. A one time exception to our process should be acceptable if there are too many obstacles to getting two signatures. We still want to finalize the process, dual approval. **Chris and Steve** will review the credit card application and decide how to proceed. Chris will bring the working system to the stakeholders next month. The threshold limit of \$5,000 triggering dual approvals can be re-visited with the other BMW policies at any time by the Board.

Draft EPA Criteria on Nutrients in Lakes –Steve reported that he is on the Technical Advisory Committee (TAC) with CDPHE on the issue. They've met a few times and are providing comments to EPA on the most recent draft. Colorado developed their own criteria for establishing nutrient standards in lake but EPA thought the P and Chlor a numbers were too high for stream standards. They approved the standards for lakes. EPA is using models and Lake Assessment data nationally to apply regionally to describe relationships between zooplankton and Chlor a as well as nutrients.

States can use their monitoring data and model it with the EPA models. The TAC is looking at the numbers developed by Jim Saunders at CDPHE by updating the data sets and applying EPA models. Tetra Tech has been hired to review the process as well. The numbers are likely to change a little before EPA will approve CO standards. Steve will continue to track how the numbers are developed. The next meeting is September 11.

CDPHE also gave a presentation on the 10-year road map on temperature. They tried to have a transition zone or attach the temperature standards to elevation. They will add a footnote further refining how lakes are listed for DO based on temperature. EPA is pushing forward to make sure states are developing nutrient standards. Regulators may entertain site specific standards. Currently, site-specific standards don't require additional monitoring. CDPHE is working to change that to require a plan showing long term monitoring efforts, modeling, and due diligence to reaffirm that site specific standards are still appropriate.

There are still a lot of questions on the EPA models and complexities in the model data requirements that may make modeling not helpful. CDPHE is going to continue to go their own way and hopefully EPA will approve the final numbers. Steve thinks the state is not trying to get lower numbers. Chlor a and temperature standards are not likely to go higher. Other numbers may be tweaked. It was only the stream nutrient numbers that EPA didn't approve. Site specific standards are being encouraged especially where there are watershed groups trying to manage the water quality.

EPA has ‘R’ tools on their website. **Steve** will look at them and make a presentation to the board. He is interested in looking at the algal and zooplankton biomass models. Steve thinks overall we have a really good dataset and we’re collecting the right parameters. The main issue is eutrophication so we don’t need heavy metals or some of the other parameters we could sample for. Dissolved organic carbon may be one parameter to add. He’ll be looking at the data we’re collecting and make recommendations about the need for different parameters.

I&E Committee Update – Jennie has started her classes and we have extended her internship through the fall. She’s working on a fertilizer display in the Nature Center and helping Steve with the carp netting. The Board unanimously approved increasing the intern pay to \$14 per hour.

The next I&E meeting is on September 8th. The park has been very busy this summer and attendance is starting to wane with the heat and the algae. Barr Lake is still in the press for the algal blooms but this year’s water quality is better than last years’.

There’s kayak and paddle board rentals at the boat ramp now. Next year they are going to



encourage people to go to the northwest corner of the dam to access the lake and park. That corner will be improved and have an updated boat ramp. The prevailing winds tend to keep the algae away from that corner. There is a bow fisherman who takes people out fishing. He got about 60-70 carp in June. Maybe they could bow fish from a paddle board. Steve reported on the outfitter who took people out Walleye fishing this summer. He is amazed at the changes to the park over the years. It has become

much more popular with much greater attendance.

Updates/Action Items

- Chair’s Report –
 - Dan asked about topics for the Annual Retreat in November or December and encouraged the Board to start thinking about what we should cover. The meeting will have to be virtual and we might want to consider spreading it out over more than one day because a full day virtual meeting might not be productive. There should be a version of the IP to review. Dan hopes we might have a prioritized list of efforts to focus on going into the retreat. He also suggested a virtual Happy Hour. A virtual tour of Metro’s P Recovery system was also suggested.
 - Dan also shared that he is willing to remain as Chair for one more year, but he would appreciate the group discussing his successor. He intends to remain involved and would be willing to help his successor. He thinks it’s a good transition point. A couple of years in the future if the regulatory issues become more dominant, he would be willing to step back in as Chair. He thinks it would be good for the organization to have other leadership. The group agreed that Dan has done a good job and it will take some thought to find a good successor. At this point, no one is ready to step up for the

next year. Dan thinks BMW is very important and he intends to remain involved. Curt is willing to help lead especially if there are projects to work on. If we consider hiring consultants, there will be more and different work.

- Treasurer’s Report
 - As of July 31st, the balance is \$254,503.62
 - All expenses since the last meeting are within budget and will be recorded as part of the minutes.
- Coordinator Updates (Amy C.)
 - Unanimous approval of the July 28th, 2020 Meeting Minutes Update on the virtual Watershed Tour – it has been completed. A link was sent to the Board and Amy will present the tour at the Annual meeting.

<https://www.arcgis.com/apps/Cascade/index.html?appid=398761f6bee246f69f8cb1c0645d1e28>

- Potential EPA Grant update. Amy reported that BMW will not be involved financially if we get the grant. All the monies will go through her company. She will continue to keep the Board updated and will need BMW participation if the contract comes through.
- Annual Meeting and BBQ, September 22nd. Christina Welch and her colleagues from CSU are scheduled to make a presentation on their work on the effectiveness of agricultural BMPs. We also need the Stakeholders to vote to approve the corporate documents. We can also show the story map virtual watershed tour. **Steve** will host the meeting and record it. **Amy** will post it on the website.
- At Large Election Notice – Amy will coordinate with James and send out a notice of election to the Stakeholders.

- Auto sampler – Steve reported that moving the BMW stormwater sampler is now proposed to be part of bridge construction at the National Western Complex. There are issues about who will pay for moving the sampler. BMW will need to pay GEI to install and re-calibrate the sampler at the new location. We may need to find a temporary location for the sampler because the bridge construction is phased. This is the 35th week of running the sampler this year. The loads into Barr and Milton are pretty much done until the beginning of the new water year in October or November.

- Steve reported that Cisco is still working to establish a network for real time data communication. He and some colleagues are looking at sites for locations for the network. One site may be on the Burlington Canal, connected with a flow gage.

Checks that cleared in July		
2126 - Amy Conklin - Bike Tour	\$ 3,000.00	Bike Tour
2127 - Amy Conklin, June Coordinator Services	\$ 3,822.50	Coordinator
2128 - GEI	\$ 595.00	stormwater
2132 - Amy Conklin - July Coordinator Services	\$ 4,599.00	Coordinator
Bank test - it worked!	\$ 1.00	Coordinator
7/16/20 Amazon - trigger for carp nets	\$ 155.90	Technical budget for Carp (die, carp, die)
	\$ 12,173.40	
Deposits - July		
Denver Water	\$ 4,000.00	Membership dues
SPCURE	\$ 4,000.00	Membership dues
Xcel	\$ 100.00	Membership dues
South Platte Renew (aka South Platte Water Renewal Partners)	\$ 12,000.00	Membership dues
Brighton	\$ 1,000.00	Membership dues
	\$ 21,100.00	
Checks for signature in August		
2135 - Amy Conklin, July Coord	\$ 7,578.02	Coordination
Deposits - August		
Big Dry Creek Watershed Assoc.	\$ 100.00	Membership dues
Lochbuie	\$ 500.00	Membership dues

- Dan reported that SPR is going back to de-nitrification processes so there should be a reduction in total inorganic nitrogen (TIN) soon. The process may continue into the winter but the plan for 2021 has not yet been developed.
- Steve will let Amy know if he needs help with the I&E Committee.

Next Meetings

- I/E Committee Meeting – **September 8th, 2020 10 am to 11:30, Barr Lake Nature Center**
- Watershed Tour – **Going Virtual**. We have created a story map and shared with the Board. We will share it with the Stakeholders in September.
<https://www.arcgis.com/apps/Cascade/index.html?appid=398761f6bee246f69f8cb1c0645d1e28>
- Annual Meeting and BBQ – **September 22nd, 2020, 9:30, Virtual**
- Technical Committee meeting – **September 24th, 9 am Virtual**
- Board Meeting – **October 27th, 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~~ FRICO has no arrangement of ‘plans’ to operate differently with Chatfield releases... if they develop a by-pass agreement and physical means of by-pass, that might be different, but there is nothing in the works...
 - **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 Virtual, stupid Covid!
 - ~~**Michelle** will help arrange golf cart tour to area where in canal treatment would be built~~
 - Review of Corporate documents including electronic payments
 - Presentation of virtual watershed tour
 - Christina Welch – CSU and colleagues will talk about their work studying effectiveness of agricultural BMPs
- October 27, 2020 – Virtual
 - 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 – coming soon