



## CHATFIELD WATERSHED AUTHORITY

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### Technical Review Committee and Budget Subcommittee Meeting Notes August 19, 2010

**Member**  
**ATTENDEES:** David Van Dellen (Castle Rock) Fred Bromberger (Littleton)  
Lissa Oelkers (PCWA, Castle Pines) Ronda Sandquist (Roxborough  
Martha Hahn (PCWA) WSD)  
Andy Hough (Douglas County)  
Kristi Livedalen (Dominion WSD)

**OTHER ATTENDEES:** Julie Vlier (CWA Manager)

**Call to Order:** David Van Dellen called the meeting to order at 2:00 p.m.

**Approval of May 13, 2010 meeting minutes.** The TRC approved meeting minutes from May 13. The vote was unanimous.

#### **Technical Review Committee –**

Section 319 Watershed Plan Grant, Request for 2010 Submittal – Ms. Vlier updated the TRC on the Watershed Plan – Concept Paper submittal. Chairman Van Dellen joined Ms. Vlier at a recent meeting with the Nonpoint Source Council, giving a presentation and overview about the watershed plan submittal. The grant application for the Watershed Plan is due December 15<sup>th</sup>. Jeff Crane, Colorado Watershed Assembly, has provided encouragement, mentoring and feedback on the draft grant submittal.

Chatfield Summit Follow Up Projects and Next Steps - The TRC discussed some of the following project concepts and offered feedback and suggestions as follows;

Chatfield Reallocation Projects – In the context of water quality projects that support Chatfield Reallocation, the members discussed a concept project which includes demonstration of porous pavement application(s) at Chatfield Reservoir (or other reservoirs if they have an interest to do so) to stabilize shoreline, maximize infiltration and potentially improve water quality in the following areas:

- Higher use areas around the reservoir (like the marina area),
- Erosive shoreline,
- Areas susceptible to reservoir fluctuations
- ADA access areas.

TRC members suggested coordination with municipalities, counties, and state agencies that have already used porous pavement in projects and demonstrated effectiveness. Denver Water, Aurora Water, and State Parks, were discussed as entities who may be interested in implementing the demonstration project at Chatfield Reservoir. Also these entities may

have data on the effectiveness of porous pavement from other projects. Patrick O'Connell (Jefferson County) has also mentioned in a prior meeting that the Hildebrand project had a parking lot of porous pavement and possible data that has been collected on the effectiveness of this application. The TRC requested data from entities with information on porous pavement applications so opportunities and future water quality projects could be assessed for around Chatfield Reservoir.

The TRC also requested the Chatfield Reallocation water users group be invited to an upcoming Authority meeting and members of this group consider joining the Authority due to complimentary water quality goals.

ISDS Water Quality Impact Study – A next step study/project regarding Individual Sewage Disposal Systems (ISDS) was discussed to better understand the potential impacts from ISDS along the US 85 corridor includes a water quality study and data collection to provide evidence (or not) of potential water quality impacts. Data will support analysis of potential water quality impacts and future decision-making and funding support for wastewater treatment and collection needs in the study area. TRC members discussed the study concept that could include surface water and alluvial ground water data collection up gradient and down gradient from areas along the US 85 corridor that have a higher concentration of ISDS usage. Areas such as Sedalia and Titan Road Industrial Park were discussed. Isotopic tracer studies with wells and septic systems were mentioned as study options. A review of SEO well data will help identify existing alluvial wells in the study area. This will reduce costs of the study associated with drilling new monitoring wells for the characterization of alluvial ground water. Coordination and leadership from Tri-County Health Department is requested. WQCD staff that lead ISDS issues for the WQCD are another resource for the study, particularly for state support and potential funding sources, especially if there is evidence of impacts.

Animal and Stable Management Projects – Andy Hough reported to the TRC that Douglas County is developing an "Animal Management" white paper with a target date of July 2011. This is part of the 'revitalization of agriculture' initiative in Douglas County. The paper will identify best management practices and demonstration projects. Andy suggested this will provide an excellent basis and reference list for future projects that promote animal and stable management that improve water quality in the watershed.

Andy offered that there are project opportunities with NRCS and other partners and with NRCS and rural landowners (qualified as an "agricultural producer" per NRCS requirements). Discussions and project concepts are moving forward and being considered.

Stream Restoration Projects – Julie reported that the CWCB Healthy Rivers Fund may be a good partnering fund for any stream restoration projects being considered.

*TRC Recommendation to the Board: The TRC recommended to the Board that timing is critical to keep the momentum going from the Summit and to keep potential partners engaged and to that end, to reallocate a portion of the "Project Implementation" budget line item in 2010 (\$15,500 earmarked for the watershed plan that was not awarded grant funding), or approximately \$8,000, to specifically allow Authority Management to provide grant and technical support for these initiatives to move forward. A summary of*

*grant funding, schedule, and milestone dates for submittals would be part of the deliverable along with a “roadmap” of recommended grants to pursue in 2011.*

Nutrient Criteria - The TRC discussed the WQCD’s nutrient criteria proposal and work efforts underway with the Colorado Nutrient Coalition. The Coalition represents a variety of water quality stakeholders and is evaluating and developing an alternate nutrient criteria proposal for consideration by the WQCC. Martha Hahn suggested the Authority become a member of the CNC. Ronda Sandquist offered that if the Authority is to be a member then there needs to be Authority representation at the meetings. She suggested Authority Management should have budget to provide representation at meetings and analysis of Chatfield nutrient issues for the CNC. Martha reminded the TRC that she and Tim Grotheer are current members of the CNC and already attend meetings.

*TRC Recommendation to the Board: The TRC recommended the Authority join the Colorado Nutrients Coalition totaling \$1,000 (from Contingency line item), coupled with 2010 Authority Manager representation and analysis of nutrient issues to the CNC and Authority members, regarding the various considerations totaling \$4,500 (from Project Implementation line item).*

Other TRC Updates – Kristi Livedalen mentioned that the CCBWQA is currently reviewing and updating their emergency response plan criteria. There may be an opportunity to coordinate updates being considered by the Authority and the CCBWQA.

### **Budget Subcommittee**

Draft 2011 Budget – The Manager and Treasurer, Lissa Oelkers, presented the draft 2011 budget and proposed scopes of services from the following consultants, TWS Financial, Hughes and Stuart, GEI Consultants, and Tetra Tech. Ronda provided feedback that grant funding needed to be a priority in 2011 and it cannot be put on the back burner again since funding is so critical to implementing projects in the watershed. The group agreed to look at the budget and contact David Van Dellen, Lisa Oelkers, or Julie Vlier with any suggestions or comments prior to presentation of the draft budget at the next board meeting.

**Adjournment** – The meeting was adjourned at 4:15 p.m. by acclamation.