

**CITY OF BOULDER, COLORADO
BOARDS AND COMMISSIONS MEETING MINUTES**

Name of Board / Commission: Water Resources Advisory Board	
Date of Meeting: 21 October 2013	
Contact Information of Person Preparing Minutes: Laurel Olsen-Horen 303.441.3203	
Board Members Present: Vicki Scharnhorst, Dan Johnson, Mark Squillace, Ed Clancy Board Members Absent: Chuck Howe	
Staff Present: Jeff Arthur, Director of Public Works for Utilities Bob Harberg, Principal Utilities Engineer Bret Linenfelter, Water Quality and Environmental Services Manager Annie Noble, Greenways Coordinator Kurt Bauer, Project Engineer Katie Knapp, Project Engineer Joe Taddeucci, Water Resources Coordinator Ridge Dorsey, Laboratory and Industrial Pretreatment Supervisor Laurel Olsen-Horen, Board Secretary	
Meeting Type: Regular	
Agenda Item 1 – Call to Order	[7:00 p.m.]
Agenda Item 2 – Approval of the 30 September Meeting Minutes: [7:21 p.m.] Motion postponed until the arrival of board member Johnson. Motion to approve the 30 September meeting minutes as with requested addition: Clancy; Seconded by: Squillace Motion Passes; 3:0 – board member Scharnhorst abstained	
Agenda Item 3 – Public Participation and Comment	[7:01 p.m.]
Public Comment: Mary Cowan Beitner: The revised Twomile map was presented at neighborhood meeting last week. Was that mapping based on the LiDAR flyover with the flood waters superimposed over it? Community members are concerned with the mapping. Community members have not been notified by the city to see if their property was affected by the flood. The maps presented at the meeting had two public structures, Foothills Elementary and the Boulder Co. campus on Broadway and Iris showed no flooding; however there was flood mitigation occurring at the time of the flood. Each resident needs to receive an on-site visit by city officials to discover what impact the flood had on each property in the city. Neighbors are demanding accurate re-mapping. The culverts in north Boulder on Spring Valley and Linden are only sized for a two-year flood event. The culverts failed as well due to the lack of maintenance. WRAB needs to prioritize flood mitigation throughout the city. The city did not maintain the existing culverts. WRAB should examine how sewage waste is being handled and implement upgrades as necessary. Jonah Levine: Submitted email comments last week and today. The maps that we have seen do not reflect what occurred during the flood. There is a real disconnect between what the maps show and reality. Would like to understand the difference between what we see/saw to where the water actually goes/went. Susan Iott: The Goss Grove neighborhood has concerns about the ditch that runs through the neighborhood. It backed up and flooded the neighborhood during the flood event. Would like to know what the status of the mapping of Boulder Slough is. There are some dangerous areas along this floodplain and these need to be a key area to begin re-mapping and study for mitigation purposes. Project schedule would be very helpful for residents to know. Board member Johnson arrived at 7:09 p.m. Nicholas Hagan: (CU student) The city has done a great job handling the recent disaster. Since water fluoridation would require a community vote to cease the practice in Boulder, Mr. Hagan is seeking information on how to proceed. Spice Jones: Resides on 13 th St. The accuracy of what the city saw from the recent flood needs to be reflected on the new mapping. The mapping shows a flood on 13 th St, but that did not occur during the event. John Yates: There is very little flood mitigation in the Fourmile creek which is channeled through a very	

little pipe between Sumac and Riverside Ln. The recent storm proves that the amount of water that came through this area cannot be mitigated by such a small pipe. The water overtopped the channel and flowed down the street. The Fourmile Creek needs to be looked at from an engineering perspective so that these types of blockages do not occur again.

Agenda Item 4 – Information Item – Overview of the Industrial Pre-treatment Program [9:00 p.m.]

Ridge Dorsey presented the item to the board.

Item was moved to after the staff updates on the Flood to allow community members present the opportunity to hear the presentation by staff without delay.

Executive Summary from the Packet Materials:

The City of Boulder's (city's) 75th Street Wastewater Treatment Facility (WWTF) receives all residential, commercial and industrial wastes discharged to the city's sanitary sewer system. At the WWTF, wastewater passes through a multi-stage treatment process before discharging treated wastewater into Boulder Creek.

Wastewater generated by industrial activities may contain pollutants that are harmful to wastewater workers, compromise the effectiveness of wastewater treatment operations, or have an adverse effect on the environment. The city is required by the Environmental Protection Agency (EPA) to maintain an Industrial Pretreatment Program (Pretreatment Program) to prevent these negative impacts. The city's Pretreatment Program is required to establish local limits for various industrial dischargers and pollutants to ensure the city's WWTF is not adversely impacted, can meet state-issued discharge permit limits and protect Boulder Creek.

Chapter 11-3 of the Boulder Revised Code (B.R.C.) establishes the regulatory authority for the city's Pretreatment Program and sets forth limits for the acceptance of discharges to the city's sanitary sewer system. Code revisions are periodically developed to comply with state, federal, and local requirements.

Pretreatment Program staff responsibilities include general program implementation, compliance monitoring, data management, industrial sampling, industrial/business surveying, education/outreach programs, discharge review/permitting, regulation review, and special projects. Currently, the Pretreatment Program permits 13 significant industrial users (SIUs) (see Attachment A) with process discharges ranging from chemical manufacturing to food processing. The total average flow from SIUs to the WWTF is approximately 5 percent of the overall flow. The Pretreatment Program also works to control pollutant discharges from non-permitted industrial users (IUs) such as dental office, photo-processors, and restaurants. IUs are estimated to account for an additional 2.4 percent of the average WWTF flow.

WRAB Discussion Included:

- Questions regarding compliance confidence for local industries for various discharge chemicals.
- As this was an information item, some clarifying questions were asked to better understand the materials presented. No action was required from the board at this time.

Agenda Item 5 – Matters

[7:30 p.m.]

From the Board:

Board member Clancy brought up the below matter(s):

- Win-Win Proposal document (regarding pharmaceuticals being disposed of down drains) shared with the board. The activated sludge treatment at the WWTP has helped mitigate the feminization of the fish in the local stream system. The pharmaceutical issue remains a problem. Students from the university and local schools are abusing prescription drugs. City Council should allow for prescription drugs to be turned into the local police departments for collection. The city does not facilitate collection of pharmaceuticals; however the County does offer this service.
- Received an E-mail around Twomile and presented it to staff.
- The board should review the Capital Improvement Plan, and perhaps this flood will give the board an opportunity to prioritize the CIP for flood mitigation.

From Staff:

[7:04 p.m.]

- 2014 budget was approved by City Council. The budget was not altered to reflect the recent disaster. Reserve funds will be used to assist with the recovery.
- Jeff Arthur presented an overview of the effects of flooding on the city's infrastructure and

preliminary assessments for recovery.

- Betasso WTP is operational.
- 63rd Street WTP is back on-line.
- The feeder canal from Carter Lake is still off-line.
- Preliminary assessment of Boulder Reservoir is needed due to the influx of sediment from the flood.
- The water distribution system seems to be holding up well.
- 75th WWTP is still receiving increased flows which indicate an elevated water table. The facility is performing well and we may be able to donate some microorganisms to Lyons to assist with their WWTP repair and startup.
- There was a sewer collapse on Broadway that does not appear to be flood related.
- Kurt Bauer, Katie Knapp, Chris Trice, Bob Harberg and Annie Noble presented an overview of each of the city's 13 tributaries and Boulder Creek to the board: (handout provided)

Board discussion included:

- What is to be learned from what was mapped versus what was seen during the event?
- The floodplain maps are based off of clear water (non-debris) flows. This event has required the city to reevaluate the flood flows due to sediment deposits.
- What is the availability for usage of the ditch system throughout the city?
- What about FEMA funding?
- Has the city learned anything in hindsight?

Agenda Item 8 – Discussion on Future Schedule

[9:39 p.m.]

- Possible 6:00 p.m. start time for WRAB?
- Flood information will continue to evolve; future schedules may not be able to have detailed flood updates.
- Council was scheduled to have a discussion about boards, however due to the flood; this discussion item has been pushed back.

Board member Squillace departed at 9:51

Agenda Item 9 – Adjournment

[9:53 p.m.]

There being no further business to come before the Board at this time, by motion regularly adopted, the meeting was adjourned at 9:53 p.m.

Motion to adjourn by: Johnson; Seconded by: Clancy

Motion Passes 3:0

Date, Time, and Location of Next Meeting:

The next WRAB meeting will be Monday, 18 November 2013 at 7:00 p.m., in the West Conference Room, 1st floor of the municipal building, 1777 Broadway unless directed by staff or the board.

APPROVED BY:

ATTESTED BY:

Board Chair

Board Secretary

Date

Date

An audio recording of the full meeting for which these minutes are a summary, is available on the Water Resources Advisory Board web page.