Buckman Direct Diversion Project

A joint regional project of the City of Santa Fe and Santa Fe County to build a reliable and sustainable water supply.

Date: **November 1, 2012**

To: **Buckman Direct Diversion Board**

From: **Erika Schwender, CEP, Interim BDD Facilities Manager** ES

Re: **Update on BDD Operations for the month of October 2012**

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1. This memo is intended to update the BDD Board on BDD operations during the month of October.

   During October diversions and deliveries averaged in million gallon per day (mgd) as followed:

   a) Raw water diversions: 7.7 mgd
   b) Finished Drinking water deliveries through Booster Station 4A: 5.3 mgd
   c) Finished Drinking water deliveries through Booster Station 5A: 1.8 mgd
   d) Raw water delivery to Las Campanas at BS2A: 0.4 mgd

   Total hours during which turbidity of the river were greater than 600: 47.25

2. Maintenance on the first pre-sedimentation basins has been completed on 10/24/2012

3. BDD staff is in the process of implementing a complex and comprehensive BDD Systems Ownership Program, which will streamline all processes involved in the operation, maintenance, and administration of the BDD.

   Assigned teams will provide focused daily supervision of specific facility processes, create summary reports to management, develop and maintain standardized procedures, and drive process optimization by means of O&M forecasting and project implementation. Operation, maintenance, and budget forecasting will be available at advanced levels of detail allowing more precise facility administration.

4. The greater Santa Fe region experienced a severe storm event on Friday, 10/12/2012. The following is a brief summary of the conditions during and following the storm event, which resulted in an almost 48 hour shut down of the BDD.

   - **When did the event start?** On 10-12-2012 at 3:44 p.m.
   - **What was the Rio Grande turbidity during this event?** Over 2000 NTU

- **How long was the Rio Grande water quality impacted?** Approximately 44.5 hours (from 4:18 p.m. on 10-12-12 Turbidities greater than 2000 NTU, to 1:24 p.m. on 10-14-12 Turbidities at 593 NTU and falling at)
- **When E-109.9 start flowing?** On 10-12-2012 at 4:18 p.m.
- **What was the greatest flow observed?** Over 350 cubic feet per second
- **Did E050.1 or E060.1 flow?** E050.1 max flow 21 cubic feet per second, E060.1 no flow detected
- **When did BDD stop delivering finished water?** BS4A deliveries shutdown at 4:26 a.m., BS5A deliveries shutdown at 8:06 a.m.
- **When did BDD start diverting again?** On 10-14-2012 at 3:00 p.m.
- **When did BDD start delivering FW from 4A?** On 10-14-2012 at 11:48 p.m.
- **When did BDD start delivering FW from 5A?** On 10-15-2012 at 9:27 a.m.

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10/12/12 04:29:58 PM

13CTV04 NE Riv 10/12/12 05:16:35 PM

13CTV04 NE Riv
10/12/12 05:43:32 PM

13CTV04 NE Rev
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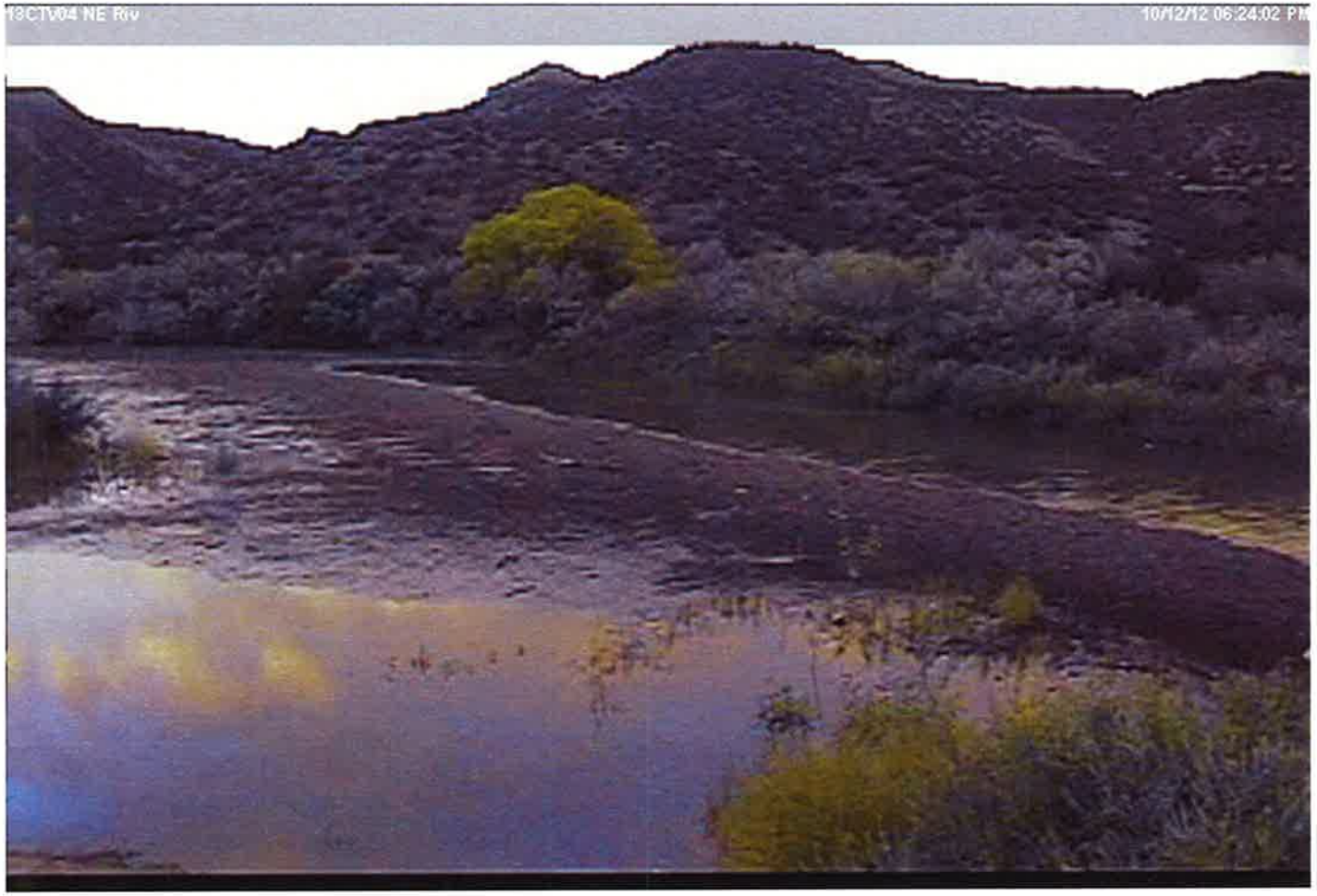
13CTV04 NE Riv
10/12/12 06:24:02 PM

BS 2 A 3:59 pm

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