

Membrane Treatment Workgroup

April 1, 2008 - 9:00 – 11:00 am
Wes Brown Water Treatment Plan, Thornton, CO

MINUTES

Attendance:

Kipp Scott – ECCV	Amy Woodis – Metro Wastewater
Charlene Seedle – South Adams County - WSD	Phil Brandhuber - HDR
Sharon Davis – Metro Wastewater	Karen Frarck - Lochbuie
Laurie Rink - FRICO	Ron LeBlanc – Baseline Engineering
Dave Akers - WQCD	Vic Lucero - Thornton
Dana Bartels – Jackson Kelly	Ed Bain – Integra Engineering
Doug Brown - CDM	Brad Wind – Northern Water Conservancy
Blair Corning – South Adams WSD	

1. Introductions

See above list of attendees.

2. Pilot Study Subgroup Report

Phil Brandhuber, Chair, provided an update on subgroup progress to date. He reviewed the subgroup's focus and stepped through a flow chart illustrating the various tasks and responsibilities leading up to initiation of pilot testing. A few funding partners have stepped forward with written commitments while several other possible partners have been identified. Phil reviewed the approach to grant funding which has been fine tuned over the last month. It is anticipated that the bulk of the funding can be requested through the CWCB statewide grant program, with additional grant support from the Arkansas Roundtable. Other basin roundtables may be approached with funding requests if the group falls short of its funding goals in the initial round. Once funding has been secured, the group anticipates initiation of pilot testing in spring of 2009. La Junta and Brighton are currently signed on as pilot testing locations.

The next meeting of the Pilot Subgroup is scheduled for April 25th, 8:30 AM at CDPHE. Future meetings will generally be held the fourth Friday of each month. A copy of Phil's presentation is posted at www.cwqf.org.

3. Membrane Component Technology Presentation

The representative from New Logic Research was unable to make our meeting to discuss VSEP technology.

4. Update on ECCV Pilot Program at Lochbuie

Doug Brown, CDM, provided a technical summary of ECCV's current plans for implementing its pilot brine concentrator technology using first stage RO brine from the Town of Lochbuie. CDM intends to be underway with actual testing this summer.

5. Update on Thornton's Pilot Program for Biological Denitrification

Vic Lucero shared several slides illustrating a pilot program currently underway for biological denitrification of water out of the Tani Lakes system. The reasoning behind this pre-treatment approach is to remove nitrates from the raw water before the water gets to the treatment plant, thus not requiring additional advanced reverse osmosis. In 2008, the City began a pilot project to research three different biological denitrification treatment methodologies and evaluate the feasibility of the proposed alternatives. From this evaluation, one concept will be selected to move forward into design and construction. The design phase is anticipated to begin in 2009 with construction anticipated to begin in 2010.

6. Next Meeting

The full workgroup will continue to meet quarterly. The next meeting will be held on Tuesday, July 1st, from 9:00 to 11:00 at the Wes Brown Water Treatment Plant in Thornton.