

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: August 11, 2010

Board Item: VI-B-1

**REVIEW OF REGULATORY APPROVALS
ASSOCIATED WITH THE RALSTON
RESIDUALS MANAGEMENT FACILITY**

Action by Consent

Action

Information

Regulatory approvals were recently received regarding the Ralston Residuals Management Facility located at Ralston Reservoir, which receives water treatment residuals via pipeline from the Moffat WTP. These approvals mean that construction of improvements to convert waste impoundments to drying beds can commence.

This project consists of the installation of a clay layer that prevents water from entering the groundwater table. An underdrain is placed on the clay and covered with sand which acts as a filter for the residuals. The dried solids are removed and the water collected through the underdrain is returned to Ralston Reservoir. It is estimated that approximately 50 million gallons of water will be recovered each year.

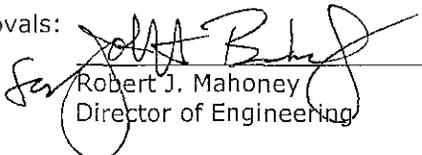
The purpose of this informational item is to inform the Board that significant planned capital expenditures will occur. Construction of the improvements will be by Board forces except for installation of monitoring well equipment. Accordingly, there will be no major construction contract associated with this work effort. Large quantities of clay and sand have already been procured and the majority of the remaining expenditures are for labor, pipe, miscellaneous materials, and professional inspection services.

The 2010 Capital Budget for 1CE0968 is \$1,457,000.00 and is for construction of Drying Beds Nos. 1 and 4 by Board Forces and for post-construction approval of Drying Bed No. 2. This budget includes a project variance of up to \$250,000.00 in order to construct two drying beds in 2010.

The 2011 Capital Budget for 1CE0968 of \$400,000.00 is for the construction of Drying Bed No. 3.

All geotechnical, material testing, and construction inspection services related to this project have been or will be performed by Kumar and Associates, a certified MWBE. MWBE participation is estimated to be about 6% of the project cost.

Approvals:



Robert J. Mahoney
Director of Engineering



CEO/Manager



Patti Wells
General Counsel



Brian Good
Director of Operations & Maintenance