

WEST BASIN MUNICIPAL WATER DISTRICT**OCTOBER 9, 2002 – Water Resources**

McDonald, Little

OCTOBER 28, 2002 – Board Meeting

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Approved by: Darryl G. Miller

INFORMATION CALENDAR

CONVERSION OF LIME CLARIFICATION TO MICROFILTRATION, TITLE 22 EXPANSION AND
100% BARRIER PROJECT COORDINATION UPDATE

SUMMARY:

The Phase IV Plant expansion involves the following facilities:

1. Additional 5 mgd of microfiltration/reverse osmosis (MF/RO) capacity;
2. Conversion of existing 5 mgd Lime Clarification pretreatment to MF;
3. Provide 12.5 mgd of UV treatment plus peroxide;
4. Conversion or modification of the solids handling facilities and/or process; and
5. Additional 10 mgd of Title 22 capacity.

Provided below are status reports for significant project activities and milestones.

Regulatory Compliance

The next step for obtaining regulatory approval is DHS' public hearing. A tentative date has been set for December 10, 2002. This is an opportunity for the public to provide DHS their comments on the proposed Project. In preparation for the hearing, staff is hosting a workshop at the West Basin's Water Reclamation Plant for the state and local DHS officials on October 10, 2002 with the desire of obtaining conceptual concurrence on a number of issues. Those include a financial assurance mechanism or responsibility to cover possible future contamination of potable drinking water wells associated with the Project's delivered water quality. In other words, a mechanism to cover a "new" compound presently not detected, or at a current level of concern that impacts a potable drinking water well.

Other workshop items are establishing the disinfection criteria for the new treatment process, a water quality monitoring plan that consists of a framework for RO membrane change out events, and a groundwater monitoring program that can validate the time of travel and percentages of recycled water in each potable drinking water aquifer.

Phase IV Expansion Design Engineering Services

CDM has finalized the Project Feasibility Study and has begun preparation of the Preliminary Design Report. The Preliminary Design Report will be the basis of the Design-Build package "Request for Proposal". Staff and CDM will continue to meet on a weekly basis to discuss technical issues related to plant upgrade design. Pre-design services are expected to be completed in December.

Phase IV Expansion – RO Pretreatment Pilot Testing

Pilot testing of four (4) membrane systems is proceeding forward and is in the second phase of testing. This second phase will be used to confirm final operating parameters and determine each system's performance. Testing is expected to be completed in late October.

Phase IV UV Pilot Testing

Pilot testing of four (4) ultraviolet (UV) systems is ongoing. Each UV system will be tested to establish performance criteria and pre-qualify equipment for Phase IV disinfection and NDMA destruction required for MF/RO treated Barrier water. Pilot testing will continue through early October.

Proposition 13 Grant Application

Last year, the grant application for the Barrier project fell just short of receiving grant funding from the State's Proposition 13 Program. This year, the deadline for applications is February 2003. This is the final round of funding for this particular Proposition 13 Program. DWR staff has indicated that a total of \$76.7 M of funding is available for this program. A total of \$92.4 M was awarded last year.

Previously the Board unanimously supported a resolution to submit an application. Staff, will be bringing an item to the December Board meeting seek a Board resolution to again participate in the grant program. Staff will also be working closely with our Public and Government Affairs Department and the District's lobbyist to pursue additional letters of Project support.

Water Replenishment District (WRD) Contract

On September 30, 2002, WRD's Board agreed to a water purchase agreement with a 20-year commitment for 12.5 MGD of recycled water to the Barrier.

FISCAL IMPACTS:

The FY 2002-03 budget programs will include designated funds to achieve the aforementioned project activities.

ENVIRONMENTAL COMPLIANCE:

The Board has authorized staff to engage consulting services for developing the documents to comply with the CEQA and NEPA requirements.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on October 9, 2002 and was agendized to the October 28, 2002 Board meeting as information.

RECOMMENDED MOTION:

This item is for information only.

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